Appendix OCS
Soil HHERA for Outside the Compressor Station Exposure Area

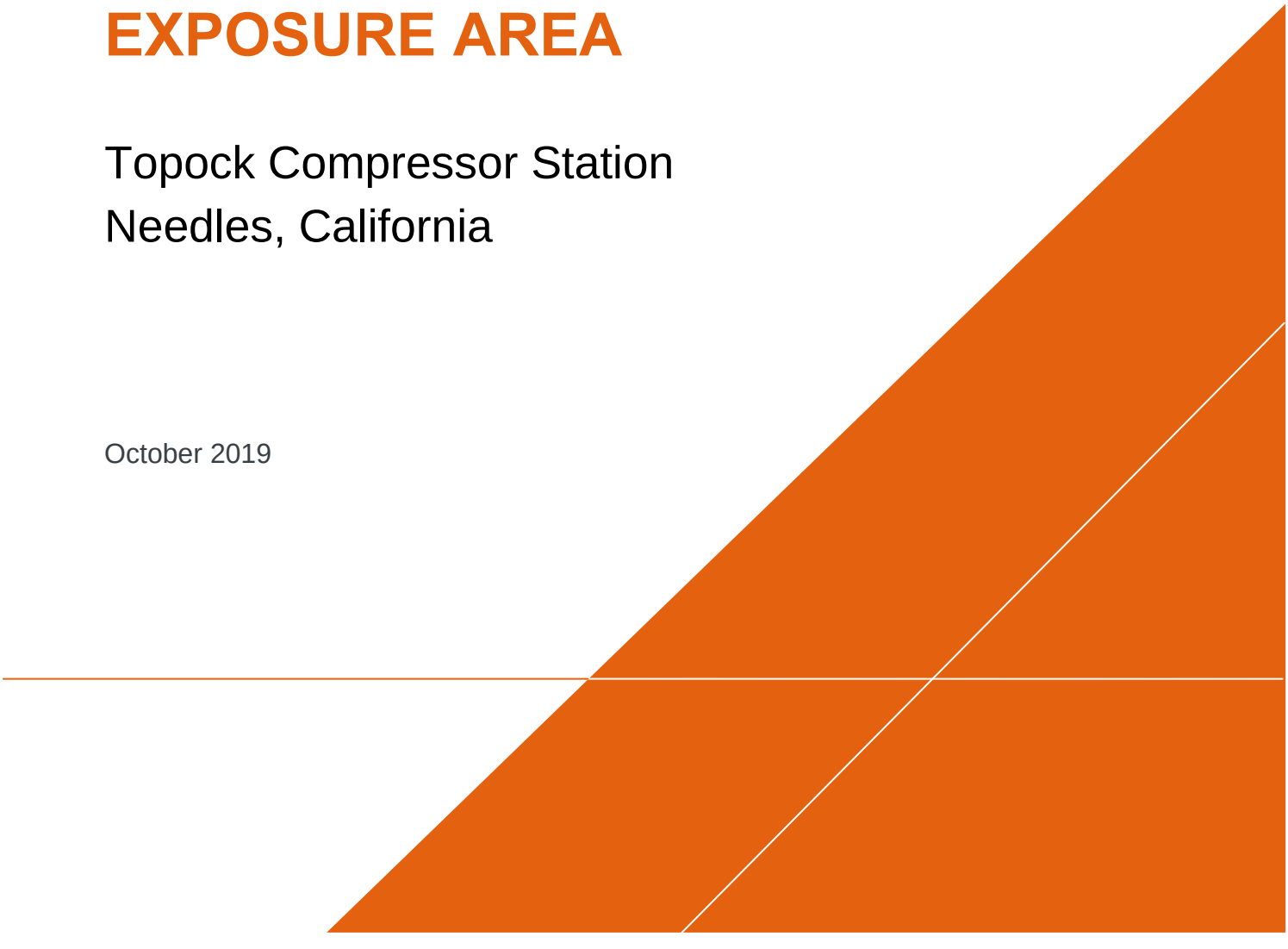
ARCADIS Design & Consultancy for natural and built assets

Pacific Gas and Electric Company

APPENDIX OCS
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXPOSURE AREA

Topock Compressor Station
Needles, California

October 2019



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D Dose and Risk Calculations for Ecological Receptors at OCS Using Maximum Depth-Weighted EPCs

ACRONYMS AND ABBREVIATIONS

4,4-DDE	4,4-dichlorodiphenyldichloroethylene
4,4-DDT	4,4-dichlorodiphenyltrichloroethane
µg/dL	microgram per deciliter
AOC	area of concern
Arcadis	Arcadis U.S, Inc.
B(a)PEQ	benzo(a)pyrene equivalent
BCW	Bat Cave Wash
bgs	below ground surface
BTAG	Biological Technical Assistance Group
BTEX	benzene, toluene, ethylbenzene, and xylenes
BTV	background threshold value
CDFW	California Department of Fish and Wildlife
CDI	chronic daily intake
COPC	constituent of potential concern
COPEC	constituent of potential ecological concern
CrVI	hexavalent chromium
CSM	conceptual site model
DTSC	Department of Toxic Substances Control (California)
EC	exposure concentration
EcoSSL	Ecological Soil Screening Level
EPC	exposure point concentration
ERA	ecological risk assessment
FOD	frequency of detection
ft	foot/feet
GANDA	Garcia and Associates
HHERA	human health and ecological risk assessment
HHRA	human health risk assessment
HI	hazard index
HMW	high molecular weight

HQ	hazard quotient
ILCR	incremental lifetime cancer risk
LMW	low molecular weight
LOAEL	lowest-observed adverse effects level
LOE	line of evidence
main report	Soil Human Health and Ecological Risk Assessment
mg/kg	milligram per kilogram
mg/kg-bw/day	mg/kg body weight per day
NA	not applicable
ng/kg	nanogram per kilogram
NOAEL	no-observed adverse effects level
OCS	outside the compressor station
OEHHA	Office of Environmental Health Hazard Assessment
OHV	off-highway vehicle
PA	perimeter area
PAH	polycyclic aromatic hydrocarbon
PBA	Final Programmatic Biological Assessment
PCB	polychlorinated biphenyl
PeCDF	pentachlorodibenzofuran
RAWP	Human Health and Ecological Risk Assessment Work Plan
RFI	Resource Conservation and Recovery Act Facility Investigation
RI	Remedial Investigation
SD	storm drain
SUF	site use factor
SVOC	semi-volatile organic compounds
SWMU	solid waste management unit
TCS	Topock Compressor Station
T&E	threatened and endangered
TEQ	toxicity equivalent
TPH	total petroleum hydrocarbon
TRV	toxicity reference value

UA	undesignated area
UCL	upper confidence limit
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
WOE	weight of evidence
wt	weighted

1 INTRODUCTION

This appendix presents the human health and ecological risk assessment (HHERA) for the combined areas of concern (AOCs) and other investigation areas located outside the Topock Compressor Station (TCS) in Needles, California (henceforth referred to as the outside the compressor station [OCS] potential exposure area). The OCS potential exposure area as shown on Figure OCS-1.1, occupies approximately 38 acres in total and includes sample locations shown in Table OCS-1.1 of this appendix. The individual exposure areas in the OCS potential exposure area are: AOCs 1 (Bat Cave Wash [BCW] including the Tamarisk Thicket), 4, 9 (which includes subarea 10a), 10 (which includes subareas 10b, 10c, and 10d), 11, 12, 14, 27, 28 (a, b, c, and d), 31, solid waste management unit (SWMU) 1, and undesignated area (UA) location UA-2/300B. Available soil data from the OCS potential exposure area were used to conduct a quantitative HHERA as presented herein. A summary of the human health risk assessment (HHRA) and the ecological risk assessment (ERA) results are presented in Sections 5 and 6, respectively of the Soil Human Health and Ecological Risk Assessment Report for the TCS (the “main report”). This appendix refers to “HHRA” when discussing specific information for assessing risks to human health, “ERA” when discussing specific information for assessing risks to potential ecological receptors, and “HHERA” when discussing topics that are common to both the HHRA and the ERA.

The HHERA methodologies are provided in the main report in accordance with the final Human Health and Ecological Risk Assessment Work Plan (RAWP) documents (Arcadis U.S, Inc. [Arcadis] 2008, 2009a, 2015) and are not repeated in this appendix. Discussions of the historical uses and sampling and analysis are presented in the main report as well.

This appendix summarizes site use, data evaluation, potential receptors, exposure pathways, and the results of the HHERA risk characterization for soil in the OCS potential exposure area. Tables and figures specific to the OCS potential exposure area HHERA are also presented in this appendix.

1.1 Summary of Site Use

The background and summary of site use for each AOC/investigation area included as part of the OCS potential exposure area are presented is the respective potential exposure area appendices and are not repeated herein.

2 DATA EVALUATION AND COPC/COPEC SELECTION

This section summarizes the data considered for the OCS potential exposure area HHERA and presents the constituents of potential concern (COPCs) for human health and constituents of potential ecological concern (COPECs) selected for the OCS potential exposure area.

All soil sampling locations at the OCS potential exposure area are presented on Figures OCS-1.1a and OCS-1.1b and in Table OCS-1.1. The data were evaluated based on methodology described in the RAWP documents (Arcadis 2008, 2009a, 2015) and the main report. Details of the soil sampling and analysis will be presented in the forthcoming Resource Conservation and Recovery Act Facility Investigation/Remedial Investigation (RFI/RI) Report Volume 3 being prepared by Jacobs. For the OCS potential exposure area, soil data from 0 to 10 feet (ft) below ground surface (bgs) were included in the baseline scenario evaluated in the HHERA. Because potential soil contact does not extend below 10 ft bgs, deeper soil data (i.e., greater than 10 ft bgs) were excluded from the risk evaluation, as noted in Table OCS.1-1.

Following the steps outlined in Section 3 of the main report, soil data considered usable for the risk assessment were identified and used in the quantitative HHERA. All available soil data (including white powder) for the OCS potential exposure area are presented in Attachment OCS-A1 and shown on Figures OCS-1.1a and b. Soil data for the OCS potential exposure area include samples collected from AOCs 1 (SWMU 1, BCW including the Tamarisk Thicket), 4, 9, 10, 11, 12, 14, 27, 28 (a, b, c, and d), 31, and UA-2/300B. In addition to the soil data from BCW, samples classified as soil transitioning to sediment from two locations (AOC1-BCW6 and SS-1) were included as part of the OCS soil evaluation (Figure OCS-1.1b). Additionally, samples from 22 perimeter area (PA) locations (PA-OS1, PA-01, PA-03 through PA-21, and PA-23) and 28 storm drain (SD) locations (SD-1 through SD-23, SD-25 through SD-27, SD-OD33, and SD-OS37) were evaluated as part of the OCS area (Figure OCS-1.1a).

For the OCS potential exposure area, soil data are available from 1,679 samples, of which soil data from 1,460 samples collected from 0 to 10 ft bgs were considered for use in the HHERA (i.e., data from 219 samples collected at depths greater than 10 ft bgs were excluded from the baseline evaluations) as noted in Table OCS-1.1. In addition, 10 samples from seven locations collected in 1998 with no sample depth information[1] were excluded from the HHERA. However, as newer samples were collected in, at, or near these locations, the exclusion of these 10 samples is unlikely to impact the COPC/COPEC selection and exposure point concentration (EPC) calculations.

Within this dataset, some analytical data did not meet data quality criteria; therefore, non-detected results were qualified rejected with an “R” data qualifier (and will be discussed in the forthcoming RFI/RI, currently being prepared by Jacobs). This occurred for all polycyclic aromatic hydrocarbons (PAHs) in two samples from BCW (AOC1-BCW24-245 and AOC1-BCW26-253), two samples from AOC 10 (AOC10-10-5201 and AOC10-10-5202), and one sample from AOC 11 (AOC11e-6-6172). A subset of PAHs in two additional BCW samples (AOC1-BCW24-244 and AOC1-BCW26-252) and two additional AOC 10 samples (AOC10-10-5200 and AOC10c-6-5241) were also rejected. Polychlorinated biphenyl (PCB) results were rejected in three

[1] Ten historical samples from seven locations excluded were Bank – b, Bank – WP, P-1, P-2, T-1, T-2, and WP-Floor; all collected within SWMU1.

samples from AOC 10 (AOC10d-9-5243, -5244, and -5246) and one sample from AOC 9 (AOC9-18-4111). Additionally, 1,2,3,7,8-pentachlorodibenzofuran (PeCDF) results were rejected in one AOC 11 sample (SD-11-02), and analytical results for four organic compounds (2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, benzoic acid, and hexachlorocyclopentadiene) in one AOC 14 sample (AOC14-20-8138) received an “R” data qualifier. These “R” qualified PAH data were not included in the HHERA.

Data processed for the HHERA (e.g., calculation of total concentrations for low molecular weight [LMW] and high molecular weight [HMW] PAHs, benzo(a)pyrene equivalent [B(a)PEQ], PCBs, and dioxin/furan toxicity equivalents [TEQ]) are described in detail in Section 3 of the main report.

The process for identifying COPCs and COPECs included in the HHERA is detailed in Section 3.4 of the main report. COPCs and COPECs were selected for the OCS potential exposure area using soil data encompassing all relevant exposure depths for the HHERA (i.e., 0 to 10 ft bgs) as presented in Attachment OCS-A1. Metals, LMW PAHs, HMW PAHs, B(a)PEQ, and dioxin TEQ concentrations were above background levels in the OCS potential exposure area soil (0 to 10 ft bgs), and therefore, are included as COPCs and/or COPECs in the HHERA. When detected at concentrations above background, carcinogenic PAHs (i.e., benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, chrysene, and indeno[1,2,3-cd]pyrene) associated with B(a)PEQ are also selected as COPCs in the HHRA for the evaluation of the noncancer endpoint for each individual PAH. All other detected organic constituents in the OCS potential exposure area soil in the baseline evaluation are included as COPCs and/or COPECs in the HHERA. COPCs and/or COPECs selected for exposure depths and scenarios evaluated in the HHERA for the OCS potential exposure area are summarized in Tables OCS-2.1a through OCS-2.1d for the four baseline exposure depth intervals and are discussed further in Sections 4 and 5 of this appendix, respectively.

3 EXPOSURE POINT CONCENTRATIONS

Depth-weighted and area-weighted EPCs for COPCs/COPECs in soil at the OCS potential exposure area were calculated as described in Section 4.2 of the main report. For the OCS potential exposure area, one scenario was evaluated: Baseline (no scouring).

The following exposure depths were evaluated:

1. Surface soil (0 to 0.5 ft bgs)
2. Shallow soil (0 to 3 ft bgs)
3. Subsurface I soil (0 to 6 ft bgs)
4. Subsurface II soil (0 to 10 ft bgs).

For the HHRA, the scouring scenarios were evaluated for BCW and AOC 10 in the individual AOC appendices (Appendices BCW and AOC 10), and therefore, were not evaluated again for the OCS potential exposure area.

For the ERA, consistent with evaluation of potential exposure areas for large home receptors described in the RAWP documents (Arcadis 2008, 2009a, 2015), scouring was not evaluated for the OCS potential exposure area. The depth intervals listed above for the baseline scenario (surface, shallow, and subsurface I soil) were evaluated. Subsurface II soil (0 to 10 ft bgs) was not evaluated for the ERA.

The depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment OCS-A2. The summary statistics for the OCS potential exposure area soil depth-weighted datasets and depth-weighted EPCs were calculated consistent with the RAWP documents (Arcadis 2008, 2009a, 2015). Per the RAWP documents, area-weighted EPCs for the HHRA are evaluated only if depth-weighted EPCs suggest that cumulative cancer risks and/or noncancer hazards may be significant for any given HHRA exposure scenario (cumulative cancer risks exceed a 10^{-6} cancer risk level, and/or the noncancer hazard index [HI] exceeds 1). Similarly, for the ERA, area-weighted EPCs are evaluated only if depth-weighted EPCs suggest potential risk to ecological receptors (i.e., hazard quotient [HQ] greater than 1 for any COPEC). For the OCS potential exposure area, area-weighted EPCs were deemed necessary for the HHRA only and, therefore, were calculated. The area-weighted data used in the calculation of area-weighted EPCs are presented in Attachment OCS-A3.

Soil summary statistics for constituents measured at the OCS[2] potential exposure area and depth- and area-weighted EPCs for COPCs/COPECs calculated using depth-weighted data from the exposure depths listed above are presented in Table OCS-3.1. If the soil dataset had fewer than four detected values (i.e., concentrations reported above the detection limit) or fewer than eight total observations, the EPC defaulted to the maximum depth-weighted concentration in that dataset. Table OCS-3.1 also presents the basis of the calculated depth- and area-weighted EPCs, including if the EPC is based on the maximum detected concentration.

[2] The list of constituents shown in the Section 3 tables is based on analytes that were detected at least once at the site (including all exposure areas inside or outside the TCS) and measured at the OCS potential exposure area.

Note that soil summary statistics for constituents measured at the OCS Excluding SWMU1 and AOC10-20 potential exposure area and depth- and area-weighted EPCs for COPCs calculated using depth-weighted data from the exposure depths listed above are presented in Table OCS-3.2 for used in the sensitivity analysis discussed in Section 4.6.

4 HUMAN HEALTH RISK ASSESSMENT

This section briefly summarizes the HHRA approach; presents the COPC, EPC, risk and hazard summary tables; and discusses the results of the risk characterization and uncertainties in the risk assessment for the OCS potential exposure area. Details of the overall HHRA approach are presented in Section 5 of the main report. Dose, exposure concentration (EC), risk, and hazard calculation tables for potential human health receptors at the OCS potential exposure area are presented in Attachments OCS-B1 and OCS-B2 for depth- and area-weighted EPCs, respectively.

Risks/hazards estimated for the combination of all individual exposure areas evaluated as the OCS potential exposure area are considered more representative of the realistic or likely potential exposures for the human populations that could be present in the areas outside the TCS (such as maintenance workers, recreational users, and tribal users) than the risks/hazards estimated for individual exposure areas. Risks/hazards calculated separately for individual AOCs are conservative and likely overestimate site risks/hazards. As described in the RAWP (Arcadis 2008), these human populations would more likely be exposed randomly, over the course of a lifetime, to soil present in all OCS potential exposure areas, rather than have a lifetime of contact limited to the area of a single exposure area. Therefore, risks/hazards presented for the OCS potential exposure area, rather than individual exposure areas, are believed to be most representative of the potential health risks to humans potentially contacting the soil in all potential exposure areas outside the TCS.

4.1 Human Health Conceptual Site Model

Following the steps outlined in Section 5.5 of the main report, risks were estimated for potentially complete and significant exposure pathways identified in the human health conceptual site model (CSM) for receptors potentially exposed to COPCs in soil present at the OCS potential exposure area. These included:

- **Short- and Long-Term Maintenance Workers –** Incidental ingestion of soil, dermal contact with soil, inhalation of particulates and volatile organic compound (VOC) vapors in ambient outdoor air from soil
- **Recreational Users (child and/or adult camper, hiker, hunter, and off-highway vehicle [OHV] rider)** – Incidental ingestion of soil, dermal contact with soil, and inhalation of particulates and VOC vapors in ambient outdoor air from soil
- **Tribal Users** – Inhalation of particulates and VOC vapors in ambient outdoor air from soil.

Exposure pathways considered incomplete or insignificant were not quantitatively evaluated and are discussed in Section 5.3.1 of the main report.

4.2 Constituents of Potential Concern

COPCs for the OCS potential exposure area were selected in accordance with the RAWP (Arcadis 2008) and as described in Section 3.4 of the main report. The COPC selection process using soil data encompassing all relevant exposure depths for the HHERA (i.e., 0 to 10 ft bgs for the OCS exposure area) are presented in Attachment OCS-A. COPCs for the four exposure depths and one scenario (baseline) evaluated for the OCS potential exposure area HHRA are summarized in Table OCS-4.1 (details are presented in Tables OCS-2.1a through OCS-2.1d).

COPCs included metals (antimony, hexavalent chromium, total chromium, copper, lead, mercury, thallium, and zinc) and inorganic compounds (cyanide, nitrate, othrophosphate, and phosphate), VOCs (bromomethane, chloromethane, chloroform, isophorone, and methyl acetate), semi-volatile organic compounds (SVOCs; 4-methylphenol, bis[2-ethylhexyl] phthalate, and butylbenzylphthalate), PAHs, pesticides (4,4-dichlorodiphenyldichloroethylene [4,4-DDE], 4,4-dichlorodiphenyltrichloroethane [4,4-DDT], alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, dioxin TEQ, total petroleum hydrocarbon (TPH) as diesel, and TPH as motor oil in surface, shallow, subsurface I, and/or subsurface II soil.

4.3 Exposure Point Concentration Summary

For the potentially complete and significant exposure pathways identified in the CSM, EPCs were calculated as described in Section 4.2 of the main report and presented in Section 3 of this appendix. Depth-weighted data used in the calculation of depth- and area-weighted EPCs are presented in Attachment OCS-A. Depth-weighted EPCs for COPCs in soil and estimated outdoor air concentrations associated with dust and used to estimate risk in the HHRA are summarized in Tables OCS-4.2a through OCS-4.2h for the four exposure depth intervals evaluated in the baseline scenario.

Area-weighted EPCs for COPCs in soil and estimated outdoor air concentrations associated with dust and used to estimate risk in the HHRA are summarized in Tables OCS-4.3a through OCS-4.3f for the four exposure depth intervals evaluated in the baseline scenario.

As described in detail in Section 5.3.3 of the main report, the following exposure depths and corresponding EPC datasets were used to evaluate potential exposure to COPCs in soil for human receptors:

- **Short- and Long-Term Maintenance Workers –** surface, shallow, subsurface I, and subsurface II soil
- **Recreational Users (child and/or adult camper, hiker, hunter, and OHV rider)** – surface and shallow soil
- **Tribal Users –** surface and shallow soil.

4.4 Estimation of Dose

The EC and chronic daily intake (CDI) for potential carcinogenic and noncarcinogenic effects were calculated, as described in Section 5.5.1 of the main report, for COPCs in soil for potentially complete exposure pathways. The calculated EC and CDI values using depth-weighted EPCs are presented in Tables OCS-B1.1a through OCS-B1.1g (carcinogenic effects) and Tables OCS-B1.2a through OCS-B1.2g (noncarcinogenic effects) in Attachment OCS-B1 for the potential receptors evaluated. The calculated EC and CDI values using area-weighted EPCs are presented in Tables OCS-B2.1a through OCS-B2.1e (carcinogenic effects) and OCS-B2.2a through OCS-B2.2e (noncarcinogenic effects) in Attachment OCS-B2 for the potential receptors evaluated.

Exposure parameters used in the dose calculations are presented in Table 5-1 of the main report.

4.5 Toxicity Assessment

The toxicity assessment characterizes the relationship between the magnitude of exposure to a constituent and the potential for adverse health effects. More specifically, the toxicity assessment identifies agency-

promulgated or derived toxicity values that can be used to estimate the likelihood of adverse health effects occurring in humans at different exposure levels. The approach for the toxicity assessment was provided in Section 4.5 of the RAWP (Arcadis 2008) and in Section 4.2 of the RAWP Addendum 2 (Arcadis 2015). Consistent with regulatory risk assessment policy, adverse health effects resulting from potential chemical exposures are evaluated in two categories: carcinogenic effects and noncarcinogenic effects. The hierarchy of sources for the toxicity criteria to be used for the HHRA generally corresponds to California Department of Toxic Substances Control (DTSC) guidance (2015). Toxicity values for carcinogenic and noncarcinogenic effects for COPCs selected and used for the HHRA are described in Section 5.4 of the main report and were used to estimate potential cancer risks and noncancer hazards.

4.6 Human Health Risk Characterization

For human receptors potentially exposed to soil in the OCS potential exposure area, the estimated incremental lifetime cancer risks (ILCRs) and/or noncancer HQs were calculated for each COPC and potentially complete exposure pathway. Cumulative ILCRs (i.e., sum of chemical-specific ILCRs for each exposure depth for a scenario) were calculated and compared to the DTSC point of departure for risk management decision of 1×10^{-6}. Note that risk management decisions may raise this criterion depending on site-specific conditions. As indicated in the National Oil and Hazardous Substances Pollution Contingency Plan (40 Code of Federal Regulations 300), cancer risks between one in a million and one hundred in a million probability of occurrence (1×10^{-6} and 1×10^{-4}) fall within a risk management range. This is generally referred to as the acceptable risk range. Within this estimated cancer risk range, there is flexibility for risk managers in deciding what action, if any, is necessary and appropriate for the protection of human health. Cumulative noncancer hazards (i.e., HIs) are calculated and compared to an HI of 1 (DTSC 2015). Chemical exposures that yield HIs of less than or equal to 1 are not expected to result in adverse noncancer health effects (United States Environmental Protection Agency [USEPA] 1989).

4.6.1 Risk Characterization for Exposure to Soil (Baseline Scenario and Depth-Weighted EPCs)

Table OCS-4.4 summarizes cumulative ILCRs and HIs estimated for potential exposure to soil for each human receptor evaluated at the OCS potential exposure area in the baseline scenario, calculated using depth-weighted EPCs. The dose, EC, ILCR, and HI equations are presented in detail in Section 5.5.1 of the main report. The detailed cancer risk estimates (Tables OCS-B1.3a through OCS-B1.3g) and noncancer hazard calculations (Tables OCS-B1.4a through OCS-B1.4g) are presented in Attachment OCS-B1.

Risk and hazard estimates for the baseline scenario are summarized in the tables and discussed below. Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated cumulative ILCRs and/or HIs for each receptor potentially exposed to COPCs in OCS soil at all exposure depths are at or below the *de minimis* levels of 1×10^{-6} and 1, respectively, for the hunter and tribal user. HI estimates are also below 1 for all other potential receptors. Risk estimates for potential soil contact at the OCS potential exposure area are above *de minimis* levels but within the acceptable risk management range for short- and long-term maintenance workers and certain recreational users (camper, hiker, and OHV rider).

Maintenance Workers

Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCS Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Short-Term Maintenance Worker	Surface	**3E-06**	CrVI (3E-06)	0.2	NA
	Shallow	**2E-06**	CrVI (2E-06)	0.1	NA
	Subsurface I	1E-06	NA	0.1	NA
	Subsurface II	9E-07	NA	0.1	NA
Long-Term Maintenance Worker	Surface	**2E-05**	CrVI (2E-05) TEQ human (1E-06)	0.09	NA
	Shallow	**2E-05**	CrVI (1E-05) TEQ human (1E-06)	0.07	NA
	Subsurface I	**9E-06**	CrVI (8E-06) TEQ human (1E-06)	0.07	NA
	Subsurface II	**7E-06**	CrVI (5E-06) TEQ human (1E-06)	0.06	NA

Notes:
CrVI = hexavalent chromium
NA = Not applicable. ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.
TEQ human = dioxin toxicity equivalents for humans

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated cumulative ILCRs for the short-term maintenance worker potentially exposed to COPCs in subsurface I and subsurface II soil are at or below 1×10^{-6}, the point of departure for risk management decisions (Table OCS-B1.3a). However, the depth-weighted estimated cumulative ILCRs for the short-term maintenance worker potentially exposed to COPCs in surface and shallow soil are slightly above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. For this potential receptor, risk estimates above *de minimis* levels were primarily attributed to hexavalent chromium in soil via the soil ingestion and inhalation of particulates pathways (Table OCS-B1.3a).

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated cumulative ILCRs for the long-term maintenance worker potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil are above the point of departure for risk management decisions of 1×10^{-6}, but within the risk management range of 1×10^{-6} and 1×10^{-4}. For this potential receptor, risk estimates above *de minimis* levels were primarily attributed to dioxin TEQ in soil via the dermal contact and soil ingestion pathways and to hexavalent chromium in soil via the inhalation of particulates pathway (Table OCS-B1.3b).

Elevated concentrations of hexavalent chromium and dioxin TEQ appear to be localized in the SWMU 1 and TCS-4 areas within the BCW and at location AOC10-20. See Figure OCS-1.1a for locations within SWMU 1, locations around location TCS-4, and location AOC10-20. The highest concentrations of hexavalent chromium and dioxin TEQ in the OCS potential exposure area soil were measured in these areas/locations, as shown in the Theissen polygon figures for area-weighting included in Attachment OCS-A3. Specifically, the hexavalent chromium concentration ranges are presented on Figures OCS-A3.9, OCS-A3.54, OCS-A3.105, and OCS-A3-

157 for the four baseline exposure depth intervals, respectively. For dioxin TEQ, the concentration ranges are presented on Figures OCS-A3.3, OCS-A3.48, OCS-A3.97, and OCS-A3-148 for the four baseline exposure depth intervals, respectively. Accordingly, the depth-weighted EPCs and corresponding estimated ILCRs for hexavalent chromium and dioxin TEQ may be biased high. To reduce the uncertainty associated with this potential bias, area-weighted estimated cumulative ILCRs for short- and long-term maintenance workers were estimated, as discussed below in Section 4.6.2.

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated cumulative HIs for the short- and long-term maintenance workers (Tables OCS-B1.4a and OCS-B1.4b, respectively) potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil under the baseline scenario are below an HI of 1. The depth-weighted EPCs for lead in surface shallow, subsurface I, and subsurface II soil at the OCS potential exposure area under the baseline scenario are not expected to result in an increase in blood lead levels above the Office of Environmental Health Hazard Assessment (OEHHA) benchmark value of 1 microgram per deciliter (µg/dL) in the fetus of short- or long-term maintenance workers (Tables OCS-B1.5a and OCS-B1.5b, respectively).

Sensitivity Analysis and Alternate Depth-Weighted EPC/ILCR Evaluation for Maintenance Workers

A sensitivity analysis was performed to provide the risk managers with perspective on the areas/locations for the COPCs that are contributing most significantly to estimates of excess risk/hazard. An alternate depth-weighted EPC for the OCS potential exposure area for hexavalent chromium and dioxin TEQ (summarized in Table OCS-3.2 was calculated excluding analytical data from SMWU 1 and TCS-4 potential exposure area (as described in Appendix SWMU1) and from location AOC10-20. This alternate EPC was used to estimate risks for short- and long-term maintenance workers. HIs were not evaluated in the sensitivity analysis because short- and long-term maintenance workers had HIs <1 for all exposure depths in the original depth-weighted evaluation.

Using the alternate depth-weighted EPCs for hexavalent chromium and dioxin TEQ, and the original depth-weighted EPCs for all other compounds, the alternate depth-weighted cumulative ILCRs estimated for the short-term maintenance worker for all exposure soil depths are below 1×10^{-6}, the point of departure for risk management decisions. The alternate depth-weighted cumulative ILCRs estimated for the long-term maintenance worker for all exposure soil depths are above the point of departure for risk management decisions of 1×10^{-6}, but below 5×10^{-6}, which is well within the risk management range of 1×10^{-6} and 1×10^{-4}. The alternate depth-weighted cumulative ILCRs estimated for short- and long-term maintenance workers are summarized in the following table:

Maintenance Workers

Alternate[1] Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk			
Potential Receptor and Exposure Depth		OCS Potential Exposure Area	
		Cumulative ILCR	ILCR Drivers
Short-Term Maintenance Worker	Surface	3E-07	NA
	Shallow	5E-07	NA
	Subsurface I	5E-07	NA
	Subsurface II	4E-07	NA
Long-Term Maintenance Worker	Surface	**3E-06**	CrVI (2E-06) TEQ human (1E-06)
	Shallow	**4E-06**	CrVI (3E-06) TEQ human (1E-06)
	Subsurface I	**4E-06**	CrVI (3E-06) TEQ human (1E-06)
	Subsurface II	**4E-06**	CrVI (2E-06) TEQ human (9E-07)

Notes:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6}.
[1] 'Alternate' refers to the exclusion of analytical data from SMWU 1 and TCS-4 potential exposure area (as described in Appendix SWMU1) and from location AOC10-20 in the EPC calculation.

Recreational Users

Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCS Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Camper	Surface	**3E-06**	CrVI (3E-06) TEQ human (5E-07)	0.1	NA
	Shallow	**2E-06**	CrVI (2E-06) TEQ human (5E-07)	0.09	NA
Hiker	Surface	**6E-06**	CrVI (5E-06) TEQ human (1E-06)	0.3	NA
	Shallow	**5E-06**	CrVI (3E-06) TEQ human (1E-06)	0.2	NA
Hunter	Surface	4E-07	NA	0.02	NA
	Shallow	3E-07	NA	0.01	NA
OHV Rider	Surface	**1E-05**	CrVI (1E-05) TEQ human (5E-07)	0.06	NA
	Shallow	**8E-06**	CrVI (7E-06) TEQ human (6E-07)	0.04	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated cumulative ILCRs for the hunter potentially exposed to COPCs in surface and shallow soil (Table OCS-B1.3e) are below 1×10^{-6}, the point of departure for risk management decisions. However, the depth-weighted estimated cumulative ILCRs for the camper, hiker, and OHV rider potentially exposed to COPCs in surface and shallow soil are above the point of departure for risk management decisions of 1×10^{-6}, but within the lower end of the risk management range of 1×10^{-6} and 1×10^{-4}. Risk estimates above *de minimis* levels were primarily attributed to hexavalent chromium and dioxin TEQ in soil via the soil ingestion pathway for the camper and hiker (Tables OCS-B1.3d and OCS-B1.3e) and to the dioxin TEQ via the soil ingestion pathway and hexavalent chromium via the inhalation of particulates pathway for the OHV rider (Table SWMU1-B1.3f).

As previously discussed, concentrations of hexavalent chromium and dioxin TEQ appear to be localized in the SWMU 1, around location TCS-4, and location AOC10-20 areas; the highest concentrations of hexavalent chromium and dioxin TEQ in OCS potential exposure area soil were measured in these areas. Accordingly, the depth-weighted EPCs and corresponding estimated ILCRs for hexavalent chromium and dioxin TEQ may be biased high. To reduce the uncertainty associated with this potential bias, area-weighted cumulative ILCRs for the camper, hiker, and OHV rider were estimated, as discussed below in Section 4.6.2.

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated HIs for the camper, hiker, hunter, and OHV rider (Tables OCS-B1.4c through OCS-B1.4f, respectively) potentially exposed to COPCs in surface and shallow soil are below an HI of 1. The depth-weighted EPCs for lead in surface and shallow soil at the OCS potential exposure area are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 µg/dL for child recreational users and the fetus of a hunter (Tables OCS-B1.5c through OCS-B1.5i).

Sensitivity Analysis and Alternate Depth-Weighted EPC/ILCR Evaluation for Camper, Hiker, and OHV Rider

Similar to the worker scenarios above, a sensitivity analysis was performed to provide the risk managers with perspective on the areas/locations for the COPCs that are contributing most significantly to estimates of excess risk for the camper, hiker, and OHV rider. Using the alternate depth-weighted EPCs for hexavalent chromium and dioxin TEQ, as described above, the alternate depth-weighted cumulative ILCRs estimated for the camper for surface and shallow soil and the hiker and OHV rider for surface soil are at or below 1×10^{-6}, the point of departure for risk management decisions. The alternate depth-weighted cumulative ILCRs estimated for the hiker and OHV rider for shallow soil are slightly above 1×10^{-6}, the point of departure for risk management decisions. HIs were not evaluated in the sensitivity analysis because the camper, hiker, and OHV rider had HIs <1 for all exposure depths in the original depth-weighted evaluation. The alternate modified depth-weighted cumulative ILCRs estimated for the camper, hiker, and OHV rider are summarized in the following table:

Recreational Users

Alternate[1] Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk			
Potential Receptor and Exposure Depth		OCS Potential Exposure Area	
		Cumulative ILCR	ILCR Drivers
Camper	Surface	7E-07	NA
	Shallow	8E-07	NA
Hiker	Surface	1E-06	NA
	Shallow	**2E-06**	CrVI (7E-07) TEQ human (8E-07)
OHV Rider	Surface	1E-06	NA
	Shallow	**2E-06**	CrVI (1E-06) TEQ human (5E-07)

Notes:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} .
[1] 'Alternate' refers to the exclusion of analytical data from SMWU 1 and TCS-4 exposure area (as described in Appendix SWMU1) and from location AOC10-20 in the EPC calculation.

Tribal User

Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCS Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Tribal User	Surface	1E-08	NA	0.0003	NA
	Shallow	9E-09	NA	0.0003	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated cumulative ILCRs and HIs for the tribal user potentially exposed to COPCs in surface and shallow soil (Tables OCS-B1.3g and OCS-B1.4g, respectively) are below the *de minimis* levels of 1×10^{-6}, the point of departure for risk management decisions and HI of 1, respectively.

4.6.2 Risk Characterization for Exposure to Soil (Baseline Scenario and Area-Weighted EPCs)

Table OCS-4.5 summarizes cumulative ILCRs and HIs estimated for exposure to soil for each potential human receptor at the OCS potential exposure area in the baseline scenario, calculated using area-weighted EPCs, for receptors where the depth-weighted estimated cumulative ILCRs were above 1×10^{-6}. Accordingly, area-weighted ILCRs and HIs were estimated for short- and long-term maintenance workers and certain recreational users (camper, hiker, and OHV rider). The dose, EC, ILCR, and HI equations are presented in detail in Section 5.5.1 of the main report. The detailed cancer risk estimates (Tables OCS-B2.3a through

OCS-B2.3e) and noncancer hazard calculations (Tables OCS-B2.4a through OCS-B2.4e) are presented in Attachment OCS-B2.

The baseline scenario area-weighted estimated cumulative ILCRs and HIs for each potential receptor selected for evaluation are summarized in the tables and discussed below. In general, depending on the depth interval, the area-weighted approach resulted in risks or hazard estimates ranging from 1.3 to 1.8 times lower than the depth-weighted estimates.

Maintenance Workers

Baseline Area-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCS Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Short-Term Maintenance Worker	Surface	**2E-06**	CrVI (2E-06)	0.2	NA
	Shallow	1E-06	NA	0.1	NA
	Subsurface I	7E-07	NA	0.1	NA
	Subsurface II	5E-07	NA	0.1	NA
Long-Term Maintenance Worker	Surface	**1E-05**	CrVI (1E-05) TEQ human (3E-06)	0.1	NA
	Shallow	**9E-06**	CrVI (8E-06) TEQ human (2E-06)	0.07	NA
	Subsurface I	**5E-06**	CrVI (4E-06) TEQ human (1E-06)	0.06	NA
	Subsurface II	**4E-06**	CrVI (3E-06) TEQ human (9E-07)	0.05	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the area-weighted estimated cumulative ILCRs for the short-term maintenance worker potentially exposed to COPCs in shallow, subsurface I, and subsurface II soil are at or below 1×10^{-6}, the point of departure for risk management decisions (Table OCS-B2.3a). However, the area-weighted estimated cumulative ILCR for the short-term maintenance worker potentially exposed to COPCs in surface soil is slightly above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. For this potential receptor, the risk estimate above the *de minimis* level was primarily attributed to hexavalent chromium in soil via the soil ingestion and inhalation of particulates pathways (Table OCS-B2.3a).

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the area-weighted estimated cumulative ILCRs for the long-term maintenance worker potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil are above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. For this potential receptor, risk estimates above *de minimis* levels were primarily attributed to dioxin TEQ in soil via the dermal

contact and soil ingestion pathways and to hexavalent chromium in soil via the inhalation of particulates pathway (Table OCS-B2.3b).

The area-weighted estimated cumulative ILCRs for short- and long-term maintenance workers under the baseline scenario, depending on the depth interval, are approximately 1.6 to 1.8 times lower than the depth-weighted cumulative ILCRs for certain exposure depths. Therefore, assuming lifetime contact with soil in the OCS potential exposure area, estimated cumulative ILCRs for the long-term maintenance worker are at or below 1×10^{-5} for all soil depths evaluated, when accounting for spatial bias in the EPCs. These values are well within the risk management range of 1×10^{-6} and 1×10^{-4}.

The area-weighted estimated cumulative HIs for short- and long-term maintenance workers (Tables OCS-B2.4a and OCS-B2.4b, respectively) potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil at the OCS potential exposure area under the baseline scenario are below an HI of 1. The area-weighted EPCs for lead in surface, shallow, subsurface I, and subsurface II soil at the OCS potential exposure area are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 µg/dL in the fetus of a short- or long-term maintenance worker (Tables OCS-B2.5a and OCS-B2.5b).

Sensitivity Analysis and Alternate Area-Weighted EPC/ILCR Evaluation for Maintenance Workers

A sensitivity analysis was performed to provide the risk managers with perspective on the areas/locations for the COPCs that are contributing most significantly to estimates of excess risk. HIs were not evaluated in the sensitivity analysis because short- and long-term maintenance workers had HIs ≤ 1 for all exposure depths in the original area-weighted evaluations. An alternate area-weighted EPC for the OCS potential exposure area for hexavalent chromium and dioxin TEQ (summarized in Table OCS-3.2) was calculated excluding analytical data from SMWU 1 and TCS-4 potential exposure area (as described in Appendix SWMU1) and from location AOC10-20; this alternate EPC was used to estimate risks for short- and long-term maintenance workers. Using the alternate area-weighted EPCs for hexavalent chromium and dioxin TEQ, the alternate area-weighted cumulative ILCRs estimated for the short-term maintenance worker for all exposure soil depths and for the long-term maintenance worker for surface soil are below 1×10^{-6}, the point of departure for risk management decisions. The alternate area-weighted cumulative ILCRs estimated for the long-term maintenance worker for shallow, subsurface I, and subsurface II soil are slightly above the point of departure for risk management decisions of 1×10^{-6}, but below 5×10^{-6}, which is well within the risk management range of 1×10^{-6} and 1×10^{-4}. The alternate area-weighted cumulative ILCRs estimated for short- and long-term maintenance workers are summarized in the following table:

Maintenance Workers

Alternate[1] Baseline Area-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk			
Potential Receptor and Exposure Depth		OCS Potential Exposure Area	
		Cumulative ILCR	ILCR Drivers
Short-Term Maintenance Worker	Surface	1E-07	NA
	Shallow	2E-07	NA
	Subsurface I	2E-07	NA
	Subsurface II	2E-07	NA
Long-Term Maintenance Worker	Surface	1E-06	NA
	Shallow	**2E-06**	CrVI (1E-06) TEQ human (7E-07)
	Subsurface I	**2E-06**	CrVI (1E-06) TEQ human (7E-07)
	Subsurface II	**2E-06**	CrVI (1E-06) TEQ human (6E-07)

Notes:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6}.
[1] 'Alternate' refers to the exclusion of analytical data from SMWU 1 and TCS-4 potential exposure area (as described in Appendix SWMU1) and from location AOC10-20 in the EPC calculation.

Recreational Users

Baseline Area-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCS Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Camper	Surface	**2E-06**	CrVI (1E-06) TEQ human (1E-06)	0.2	NA
	Shallow	**2E-06**	CrVI (1E-06) TEQ human (7E-07)	0.1	NA
Hiker	Surface	**5E-06**	CrVI (3E-06) TEQ human (2E-06)	0.4	NA
	Shallow	**3E-06**	CrVI (2E-06) TEQ human (1E-06)	0.2	NA
OHV Rider	Surface	**7E-06**	CrVI (6E-06) TEQ human (1E-06)	0.06	NA
	Shallow	**5E-06**	CrVI (4E-06) TEQ human (8E-07)	0.04	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming lifetime soil contact occurs randomly over the entire OCS potential exposure area, the area-weighted estimated cumulative ILCRs for the camper, hiker, and OHV rider potentially exposed to COPCs in surface and shallow soil (Tables OCS-B2.3c through OCS-B2.3e) are above the point of departure for risk

management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. Risk estimates above *de minimis* levels were primarily attributed to hexavalent chromium and dioxin TEQ in soil via the soil ingestion pathway for the camper and hiker (Tables OCS-B2.3c and OCS-B2.3d) and to dioxin TEQ via the soil ingestion pathway and hexavalent chromium via the inhalation of particulates pathway for the OHV rider (Table SWMU1-B2.3e).

As demonstrated by comparing the values, the area-weighted estimated cumulative ILCRs for the camper, hiker, and OHV rider, depending on the depth interval, are approximately 1.3 to 1.7 times lower than the depth-weighted cumulative ILCRs. Therefore, assuming lifetime soil contact to the OCS potential exposure area, cumulative ILCRs for the camper, hiker, and OHV rider are at or below 5×10^{-6}, at all soil depths evaluated except for the OHV rider exposed to COPCs in surface soil, when accounting for spatial bias in the EPCs. The cumulative ILCR for the OHV rider exposed to COPCs in surface soil is slightly above 5×10^{-6}. These values are well within the risk management range of 1×10^{-6} and 1×10^{-4}.

The area-weighted estimated cumulative HIs for the camper, hiker, and OHV rider (Tables OCS-B2.4c through OCS-B2.4e) potentially exposed to COPCs in surface and shallow soil at the OCS exposure area are below an HI of 1. The area-weighted EPCs for lead in surface and shallow soil at the OCS exposure area are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 µg/dL for child recreational users (Tables OCS-B2.5c through OCS-B2.5h).

Sensitivity Analysis and Alternate Area-Weighted EPC/ILCR Evaluation for Camper, Hiker, and OHV Rider

A sensitivity analysis was performed to provide the risk managers with perspective on the areas/locations for the COPCs that are contributing most significantly to estimates of excess risk. HIs were not evaluated in the sensitivity analysis because the camper, hiker, and OHV rider had HIs <1 for all exposure depths in the original area-weighted evaluations. Using the alternate area-weighted EPCs for hexavalent chromium and dioxin TEQ, the alternate area-weighted cumulative ILCRs for the camper, hiker, and OHV rider for surface and shallow soil are below 1×10^{-6}, the point of departure for risk management decisions. The alternate area-weighted cumulative ILCRs for the camper, hiker, and OHV rider are summarized in the following table:

Recreational Users

Alternate[1] Baseline Area-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk			
Potential Receptor and Exposure Depth		OCS Potential Exposure Area	
		Cumulative ILCR	ILCR Drivers
Camper	Surface	3E-07	NA
	Shallow	4E-07	NA
Hiker	Surface	7E-07	NA
	Shallow	9E-07	NA
OHV Rider	Surface	6E-07	NA
	Shallow	9E-07	NA

Notes:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6}.
[1] 'Modified' refers to the exclusion of analytical data from SMWU 1 and TCS-4 potential exposure area (as described in Appendix SWMU1) and from location AOC10-20 in the EPC calculation.

4.6.3 Uncertainties in the Risk Assessment

The risk assessment includes several uncertainties that warrant discussion. Many of the assumptions used in this risk assessment, regarding the representativeness of the sampling data, potential human exposures, fate and transport modeling, and chemical toxicity are conservative, follow agency guidance and reflect a 90th or 95th percentile value rather than a typical or average value. The use of several conservative exposure assumptions and toxicity estimates can introduce considerable uncertainty into the risk assessment. By using conservative exposure assumptions or toxicity estimates, the assessment can develop a significant conservative bias that may result in the calculation of significantly higher estimates for cancer risks or noncancer hazards than are actually posed by the chemicals present in soil. These uncertainties are discussed in detail in Section 5.6 of the main report. Uncertainties applicable only to the risk assessment for the OCS potential exposure area are discussed below.

Additional uncertainties for the OCS potential exposure area include the use of the maximum depth-weighted soil concentration as the EPC. The maximum depth-weighted soil concentration was used for COPCs when the soil dataset contained fewer than four detected values (i.e., concentrations reported above the detection limit) or fewer than eight total observations as shown in Table OCS -3.1.

For the OCS potential exposure area, the maximum depth-weighted concentration was used as the EPC for the following COPCs:

- Surface soil: one metal (thallium), SVOCs (bis[2-ethylhexyl] phthalate, isophorone, and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDE, 4,4-DDT, and dieldrin), and inorganic compounds (chloride, cyanide, nitrate, and phosphate)
- Shallow soil: VOCs (bromomethane, chloroform, chloromethane, and methyl acetate), SVOCs (isophorone and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDT, and dieldrin), and inorganics (chloride, cyanide, nitrate, and phosphate)
- Subsurface I soil: VOCs (bromomethane, chloroform, chloromethane, and methyl acetate), SVOCs (isophorone and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDT, and dieldrin) and inorganic compounds (chloride, cyanide, nitrate, and phosphate)
- Subsurface II soil: VOCs (bromomethane, chloroform, chloromethane, and methyl acetate), SVOCs (butylbenzylphthalate, isophorone and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDT, and dieldrin), and inorganics compounds (chloride, cyanide, nitrate, and phosphate).

The use of the maximum depth-weighted soil concentration as the EPC for the COPCs listed above may not appropriately represent exposures and resulting risks/hazards. This approach to estimating EPCs does not materially impact the results of the HHRA because the OCS potential exposure area COPCs are not risk drivers at the site due to their low frequency of detection and/or fewer than eight observations.

5 ECOLOGICAL RISK ASSESSMENT

This section briefly summarizes the ERA approach; presents the COPECs, EPCs, and dose and risk tables for the OCS ERA; and characterizes potential risk to ecological receptors exposed to COPECs in soil at the OCS potential exposure area. Details of the overall ERA approach are presented in Section 6 of the main report. Supporting tables for the OCS ERA, based on risk calculations conducted using depth-weighted EPCs, are presented in Attachment OCS-C and described below.

Per the RAWP and DTSC guidance (DTSC 1996), ecological risks were also calculated using maximum depth-weighted concentrations and presented in Attachment OCS-D. Risks estimated using maximum depth-weighted concentrations are considered overly conservative and are generally used for screening level purposes. Use of maximum concentrations is not recommended for supporting risk management decisions at the OCS potential exposure area, where the area has been adequately characterized and data are available to estimated upper confidence limits (UCLs). Therefore, the risk results, based on maximum depth-weighted concentrations, are presented (Attachment OCS-D) but are not discussed in this section.

5.1 Ecological Conceptual Site Model

Following the steps outlined in Section 6.6 and Figures 2-7 and 6-1 of the main report, risks were estimated for potentially complete and significant exposure pathways identified for receptors exposed to COPECs in soil at the OCS potential exposure area. These included the following large home-range receptors:

- **Mammals –** may be exposed to COPECs via incidental ingestion of surface, shallow, or subsurface I soil (for burrowing animals) and/or ingestion of biota tissue (i.e., food items). The potential large home-range mammalian indicator receptors evaluated in this ERA for the OCS potential exposure area were:
    - **Desert Kit Fox** – representative of carnivorous large home-range mammal populations exposed to surface, shallow, and/or subsurface I soil (incidental) and exposed to only surface soil (through biota uptake). Threatened and endangered (T&E) carnivorous/omnivorous large home-range mammals (i.e., the ring-tailed cat [*Bassariscus astutus]*, a California fully protected species) have been observed only in the BCW area. The desert kit fox is the most representative potential surrogate receptor for the ring-tailed cat and was used to qualitatively evaluate potential risk to the ring-tailed cat in this ERA (see Section 5.6.1.1.3).
    - **Nelson's Desert Bighorn Sheep –** representative of herbivorous large home-range mammal populations exposed to surface, shallow, and/or subsurface I soil (incidental ingestion and through biota uptake).
- **Birds –** may be exposed to COPECs via incidental ingestion of surface, shallow, or subsurface I soil and/or ingestion of biota tissue (i.e., food items). The potential large home-range bird indicator receptor evaluated in this ERA for the OCS exposure area was:
    - **Red-Tailed Hawk** – representative of carnivorous bird populations, exposed only to surface soil (incidental ingestion and through biota uptake).

Potential exposure pathways considered incomplete or insignificant were not quantitatively evaluated; these potential exposure pathways are identified and described in Section 6.3 of the main report.

Potential plants, invertebrates, and small home-range receptors (Merriam's kangaroo rat, desert shrew, Gambel's quail, and cactus wren) were evaluated for smaller potential exposure areas (individual AOCs/potential exposure areas) and are discussed in those exposure area-specific appendices.

5.1.1 Evaluation of Special-Status Species

The biological settings for the Topock site and the adjacent areas are described in detail in various reports (see Section 2.4 of the main report). Potential habitat exists for special-status species at or near the site, and some, as discussed below, have been observed at BCW within the OCS potential exposure area. Special-status species include state and federally listed fully protected T&E species, state and federal species of concern, and traditionally culturally significant plants; however, protection at the no-observed adverse effects level (NOAEL) is warranted only for fully protected species.

Based on the discussions presented in the 2017 Floristic Survey Report (CH2M 2017) and the Final Programmatic Biological Assessment (PBA; CH2M HILL 2014), the primary terrestrial vegetation at the OCS potential exposure area includes creosote bush scrub (*Larrea tridentata*), tamarisk thickets characterized by open to dense stands of the non-native and invasive tamarisk or salt cedar (*Tamarisk ramosissima*) and/or athel tamarisk (*Tamarix aphylla*), arroweed thickets, blue palo verde woodlands (*Parkinsonia florida*), catclaw acacia thorn scrub (*Senegalia greggii*.), hillside palo verde scrub (*Parkinsonia microphylla*), allscale scrub – also known as cattle saltbush (*Atriplex polycarpa*), quailbush scrub (*Atriplex lentiformis*), western honey mesquite bosque (*Prosopis glandulosa var. torreyana*), mousetail suncup (*Chylismia arenaria*), and screwbean mesquite bosque (*Prosopis pubescens*). Creosote bush scrub is the dominant upland plant community in the upland areas (CH2M 2014, 2017). Other species of terrestrial plants are present but limited to smaller areas and are discussed in the individual exposure area appendices and are not repeated here. Many plant species have the potential to be present at the site, and several species of plants have been observed during surveys (CH2M 2014, 2017). Plant species observed in the Action Area and/or within the Topock site during the March 2017 pre-construction survey and reported in the 2017 Floristic Survey Report (CH2M 2017) are presented in Tables 2-1 and 2-3 of the main report.

No federal- or state-listed T&E plants or candidates for listing were found at the Topock site, including BCW (CH2M 2014, 2017). Of the plants listed above, several are culturally sensitive species (ethnobotanical) under the California Desert Native Plant Act as reported in the 2017 Floristic Survey Report (CH2M 2017) and presented in Table 2-1 of the main report. The hillside palo verde and the mousetail suncup are California Rare Plants and present in the OCS. Mousetail suncup was located on a vertical conglomerate rock wall above BCW (CH2M 2017). Several of the mousetail suncup plants that had been previously identified at this location, as well as the single plant that had previously been observed on a granitic rock face at the south end of the wash, had died, likely due to natural causes, as reported in the 2017 Floristic Survey Report, but a number of small seedlings were observed at the northernmost occurrence (CH2M 2017). Two other mouse-tail suncup locations were observed along BCW to the south of Interstate 40 and along the rock walls near the southern end of the Action Area. These populations represent a significant range extension for the species, as they are more than 90 miles northeast of previously recorded populations in California. Hillside palo verde was found in areas to the south of Interstate 40 on the rocky north-facing slopes of the Chemehuevi Mountains. The number of individuals in this population is approximately 150 trees.

Several species of mammals and birds have been observed at or near the site (Tables 2-2 and 2-4 of the main report). T&E species observed at the site (assuming at BCW; CH2M 2015a,b; DTSC 2018) included the

ring-tailed cat, primarily a carnivorous mammal. Bat surveys indicated presence of cave myotis (*Myotis velifer* and pallid bat (*Antrozous pallidus*), both state species of concern, at BCW, BCW culverts, and railroad culverts (Harvey 2015). Yuma myotis (Myotis yumanensis), although not formally listed, was also observed at BCW. These potential receptors are all large home-range receptors. The Tamarisk Thicket in the north end of BCW is considered a potential habitat for the southwestern willow flycatcher (*Empidonax traillii extimus*), which is listed as a federal and state T&E species. In the Tamarisk Thicket potential exposure area, a southwestern willow flycatcher was observed in 2009 but not observed in subsequent surveys (Garcia and Associates [GANDA] 2017). To date, no active nests of any migratory birds have been documented during these surveys or by protocol-level surveys conducted up to 2017. In the 2014 survey, five southwestern willow flycatchers were observed, but none in the OCS potential exposure area. Based on the single detection for each observation, it was concluded that they were most likely transient rather than nesting birds (GANDA 2014, 2017). The most recent survey was conducted in 2017 and no southwestern willow flycatchers were observed (GANDA 2017).

To be consistent with the GWRA (Arcadis 2009b) and observations made by a PG&E employee at the site, Nelson's desert bighorn sheep was evaluated quantitatively. As discussed in the special-status species memo (CH2M 2015b; DTSC 2018), surveys indicate potential suitable habitat for these species are available onsite in areas within California to the south of Interstate 40 including BCW, the East Ravine, surrounding uplands, and the floodplain. Although site use by bighorn sheep cannot be excluded, it is likely limited by existing human activity at the TCS and near Interstate 40 to the north. The site has relatively poor historical floodplain habitat that is dominated by large thickets of tamarisk that are generally dense, mono-specific stands, with little herbaceous vegetation. The project area foothills, uplands, and floodplain habitats are only expected to be used for foraging or transit. However, the area east/southeast of the site and along the Colorado River offers higher quality habitat and is where desert bighorn sheep have been observed during the summer or drought months

The risk estimates presented here are considered to be protective of special-status species due to the conservative nature of the ERA, where conservative parameters (e.g., small exposure areas, selected indicator species for each functional group considered on the high end of potential exposures for typical receptors at the site within that group, use of no-effects based toxicity values) were used to assess risks to a wide range of potential receptors at various trophic levels. Although a potential large home-range receptor representative of bats was not quantitatively evaluated, no unacceptable risk to bats is expected in the OCS potential exposure area. Presence of bats roosting were observed at BCW; however, bats tend to forage near water (i.e., the river) where insects are likely to be abundant. Bats have large home ranges (e.g., 42 acres for myotis [Henry et al. 2002]) and potential exposure to COPECs from a limited area within the OCS potential exposure area (i.e., BCW soil) is expected to be minimal, and thus, unlikely to result in unacceptable risk. Therefore, further evaluation of special-status bat species was not considered necessary.

Although potential risk to the ring-tailed cat and special-status bat species were not directly or quantitatively evaluated in this ERA, potential risks were evaluated qualitatively, as described below in Section 5.6.1.1.3. As presented below, based on the risk evaluations, weight of evidence (WOE), and uncertainties, potential unacceptable risk to special-status species is unlikely.

5.2 Constituents of Potential Ecological Concern

COPECs for the OCS potential exposure area were selected in accordance with the RAWP (Arcadis 2008) and as described in Section 3.4 of the main report. Soil data encompassing all relevant exposure depths for the ERA (i.e., 0 to 6 ft bgs for OCS) and used in the COPEC selection process are presented in Attachment OCS-A1.

Because a potential ecological receptor could be exposed to COPECs at various exposure depths, either directly and/or through their diet for a given scenario, a single comprehensive COPEC list was selected based on the range of soil depths encountered by potential ecological receptors in the baseline exposure scenario. Additionally, essential nutrients (e.g., calcium, potassium) and analytes typically measured to evaluate geochemical conditions (e.g., chloride, nitrate, sulfate) are not typically evaluated in ERAs and were not selected as COPECs. COPECs for the three exposure depths evaluated for the baseline scenario for this ERA are summarized in Table OCS-5.1.

COPECs included nine inorganic compounds (antimony, hexavalent chromium, total chromium, copper, cyanide, lead, mercury, thallium, and zinc), VOCs (bromomethane, chloromethane, chloroform, and methyl acetate), SVOCs (4-methylphenol, bis[2-ethylhexyl] phthalate, and isophorone), LMW PAHs, HMW PAHs, pesticides (4,4-DDT, 4,4-DDE, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, and dioxin TEQ. TPHs were also identified as COPECs; however, due to lack of appropriate toxicity values to evaluate TPHs for potential ecological receptors, indicator chemicals (e.g., benzene, toluene, ethylbenzene, and xylene [BTEX] and PAHs) when detected, are used to characterize TPH risks. COPECs lacking toxicity values and their impact to the ERA are discussed in Section 6.7.5 of the main report.

5.3 Exposure Point Concentration Summary

For the potentially complete and significant exposure pathways identified in the ecological CSM, soil EPCs were calculated as described in Section 4.2 of the main report and presented in Section 3 of this appendix.

For the OCS potential exposure area, risks to potential ecological receptors were estimated using depth-weighted EPCs. Depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment OCS-A2.

Biota tissue EPCs were calculated from the soil EPCs using soil-to-biota uptake relationships for plants, invertebrates, and small mammals, as described in Section 6.4.3 of the main report. As described in Section 6.4 and shown on Figure 6-1 of the main report, the depth intervals selected to represent exposure to soil and biota tissue for the risk calculations for each potential receptor are presented in Table OCS-5.2.

To summarize for the baseline scenario:

- Carnivorous birds (red-tailed hawk) could potentially be exposed to COPECs in soil and/or biota only at the surface (0 to 0.5 ft bgs). Therefore, potential exposures to carnivorous birds included the depth-weighted soil EPC from 0 to 0.5 ft bgs for incidental soil ingestion and the depth-weighted biota EPC from 0 to 0.5 ft bgs for dietary exposure (estimated using the surface soil depth-weighted EPC and soil-to-mammal bioaccumulation factor/model).
- Carnivorous mammals (desert kit fox) could potentially be exposed to COPECs in soil down to 6 ft bgs and COPECs in biota only at the surface (0 to 0.5 ft bgs). Therefore, potential exposures to carnivorous

mammals included the maximum of the depth-weighted soil EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for incidental soil ingestion and the depth-weighted biota EPC from 0 to 0.5 ft bgs for dietary exposure (estimated using the surface soil depth-weighted EPC and soil-to-mammal bioaccumulation factor/model).

- Herbivorous mammals (Nelson's desert bighorn sheep) could potentially be exposed to COPECs in soil and biota down to 6 ft bgs. Therefore, potential exposures to herbivorous mammals included the maximum of the depth-weighted soil and biota EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for incidental soil ingestion and the maximum of the depth-weighted soil and biota EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for dietary exposure (estimated using the selected soil depth-weighted EPC and soil-to-plant uptake factor/model).

Depth-weighted soil EPCs and biota tissue EPCs calculated from depth-weighted soil EPCs are presented in Table OCS-5.3, and the representative soil and/or biota EPCs identified for the baseline risk calculations are bolded in this table. Of the COPECs identified at the OCS potential exposure area for the baseline scenario, VOCs (bromomethane, chloromethane, chloroform, and methyl acetate) were not detected in surface soil; therefore, exposure to these COPECs by potential receptors only exposed to surface soil (carnivorous birds) were not estimated. Although VOCs were detected in shallow and subsurface I soil, uptake into biota is considered negligible (assumed to be zero for the risk calculations[3]); therefore, potential exposure through diet is considered incomplete. Therefore, for the carnivorous mammals (desert kit fox), risks from VOCs were estimated only from incidental soil ingestion and not from ingestion of biota.

Per the RAWP (Arcadis 2008) and DTSC guidance (1996), risk calculations based on both the maximum depth-weighted concentration and the UCL for each COPEC are required. As mentioned earlier in this section, using the maximum depth-weighted concentrations results in overly conservative risks and is not recommended for supporting risk management decisions. The estimated risks, based on maximum depth-weighted concentrations, are presented in Attachment OCS-D, but results are not discussed in this report.

5.4 Estimation of Exposure Concentration or Dose

Exposures for wildlife (mammals and birds) are quantified as doses (e.g., in units of milligrams per kilogram body weight per day [mg/kg-bw/day]). Exposure concentrations and doses for COPECs in soil and potentially complete pathways were calculated as described, including equations, in Section 6.4 of the main report. The exposure parameters selected to evaluate wildlife in this ERA include upper bound values from literature (e.g., ingestion rates) or were assumed (e.g., 100% of one type of diet), which may result in conservative estimates of exposure dose and potential overestimation of actual exposure at the site.

For wildlife, doses were calculated using the exposure parameters and equations presented in Section 6.4 of the main report. Depth-weighted soil and biota tissue EPCs for COPECs the OCS potential exposure area are presented in Table OCS-5.3 for the depth-weighted risk evaluations. Dose calculations using depth-weighted EPCs for wildlife potentially exposed to COPECs via ingestion of soil and biota tissue for the baseline scenario are presented in Attachment OCS-C. Based on the risk estimates using depth-weighted EPCs, area-weighted EPCs were not necessary for the OCS potential exposure area ERA. Dose calculations using maximum

[3] VOCs have low bioaccumulation potential (octanol-water partition coefficient is low [log Kow < 2]), and uptake into biota is considered negligible for these constituents (Arcadis 2009a).

depth-weighted concentrations for wildlife potentially exposed to COPECs via ingestion of soil and biota tissue for the baseline scenario are presented in Attachment OCS-D.

5.5 Effects Assessment

Dose-based toxicity reference values (TRVs) for wildlife were used to estimate risks to potential ecological receptors potentially exposed to COPECs in soil and biota tissue at the OCS potential exposure area. TRVs are discussed in Section 6.5 and presented in Tables 6-7 through 6-10 of the main report.

A range of risks to wildlife were estimated using the NOAEL-based TRVs and lowest-observed adverse effects level (LOAEL)-based TRVs presented in the RAWP documents (Arcadis 2008, 2009a, 2015). These selected TRVs were primarily based on those used to develop USEPA Ecological Soil Screening Levels (EcoSSLs; USEPA 2008); other sources included the Toxicological Benchmarks for Wildlife from Oak Ridge National Laboratory (Sample et al. 1996) and USEPA Region 6 ERA Guidance (USEPA 1999). In addition, for estimating potential risk to wildlife, a second set of NOAEL- and LOAEL-TRVs[4] based on the Navy/Biological Technical Assistance Group (BTAG) TRVs (DTSC 2002, 2009) were also used for COPECs, where available. Wildlife TRVs based on selected TRVs and BTAG TRVs are presented in the main report Tables 6-7 and 6-8, respectively. TRVs based on allometric conversions, when warranted, are presented in Tables 6-9 and 6-10, respectively.

TRVs are not available for antimony, bromomethane, chloromethane, chloroform, methyl acetate, 4-methylphenol, and isophorone for birds; and TRVs are not available for bromomethane, chloromethane, 4-methylphenol, and isophorone for mammals. In addition, appropriate TRVs are not available for TPHs; therefore, PAHs were used as indicator chemicals to characterize TPH risks at the OCS potential exposure area (BTEX were not detected). The lack of TRVs and the impact to the ERA are discussed in Section 6.7.5 of the main report.

5.6 Ecological Risk Characterization

The risk characterization integrates the results of the exposure assessment and effects assessment and is subject to uncertainties in both of those efforts. Risk characterization includes two major components: risk estimation and risk description. As presented in tables and discussed below, risk estimates (i.e., HQs) involved integrating exposure profiles with the exposure-effects information. For each potential receptor and COPEC, risk descriptions (including various lines of evidence [LOEs]) and uncertainties (including HQs) supporting statistical and site use information, and the direction of uncertainty in the risk estimates, are discussed below for interpreting the risk results and identifying potential unacceptable risk to ecological receptors. Uncertainties specific to the OCS potential exposure area are discussed in context with the risk characterization results presented below. Generic uncertainties in the ERA are discussed in detail in Section 6.7 of the main report.

For wildlife, a range of HQs was calculated using NOAEL- and LOAEL-based TRVs previously identified in RAWP documents (Arcadis 2008, 2009a, 2015). HQs based on LOAEL-based TRVs selected in the RAWP

[4] Although these are referred to as LOAEL-based BTAG TRVs, they are based on a midpoint of a variety of adverse effects and are not necessarily LOAELs. However, for simplicity, these BTAG TRVs are referred to as LOAEL-based TRVs.

are referred to as “LOAEL-based HQs.” HQs based on NOAEL-based TRVs selected in the RAWP are referred as “NOAEL-based HQs.” Additionally, NOAEL- and LOAEL-based HQs were calculated using a second set of TRVs (i.e., NOAEL- and LOAEL-based BTAG TRVs), as described in Section 6.5 of the main report. The BTAG NOAEL-based TRVs are considered very conservative, resulting in a wide range of risk estimates for wildlife. For this ERA, the selected TRVs are considered more robust than the BTAG TRVs, as discussed in Section 6.5 of the main report. Results associated with the selected TRVs are recommended for risk management decisions at the OCS potential exposure area.

Following USEPA guidance (1998), the estimated HQs were evaluated using a semi-quantitative WOE approach using multiple LOEs in reducing uncertainty and drawing risk conclusions. Risk conclusions for wildlife used the following criteria:

- COPECs with NOAEL-based HQs less than or equal to 1 pose *de minimis* risk (i.e., negligible risk) to individuals and populations of potential wildlife receptors.
- COPECs with a NOAEL-based HQ greater than 1 but a LOAEL-based HQ less than or equal to 1 pose no unacceptable risk to wildlife populations. However, as described in the RAWP (Arcadis 2008), unacceptable risk to individuals is uncertain because the NOAEL-based TRVs are thresholds with an interval that is an artifact of the dosing study. The nature and magnitude of the effects, if any, that may occur at exposures between these values is unknown. In such cases, a WOE approach, including multiple LOEs, were used in reducing uncertainty for characterizing potential risk to individual wildlife receptors.
- COPECs with LOAEL-based HQs greater than 1 indicate that unacceptable risk is possible for populations of potential wildlife receptors. However, these LOAEL-based HQs greater than 1 are based on individual-level effects thresholds and only account for a single LOE. In such cases, a WOE approach was used in reducing uncertainty for characterizing potential risk to wildlife populations at the OCS, as described in the previous bullet.
- The NOAEL-based HQs greater than 1 are considered one LOE in assessing potential risk to sensitive species, if present in this exposure area. Evaluation of T&E species for the OCS is presented in Section 5.1.1.

Ultimately, three risk outcomes for wildlife are possible based on the HQs greater than 1 and WOE: (1) unacceptable risk to individual wildlife is possible (i.e., indicated by sufficient and strong supporting LOEs); (2) unacceptable risk to individual wildlife is unlikely (i.e., indicated by sufficient and strong LOEs supporting a conclusion of no unacceptable risk); or (3) unacceptable risk to individual wildlife is uncertain (i.e., indicated by insufficient LOEs).

For this ERA, the results of individual LOE evaluations were considered collectively to derive an overall WOE conclusion for each potential receptor. Key uncertainties were considered along with the strength, relevance, and other qualities of the LOEs in reaching the WOE conclusions.

For the OCS potential exposure area, evaluations were completed using depth-weighted EPCs, as discussed in this section.

In these evaluations, risk calculations were completed for all COPECs, as presented in Tables OCS-5.4a and OCS-5.4b. Based on the risks estimated using depth-weighted EPCs, evaluation of the baseline scenario using area-weighted EPCs is not necessary, and therefore, is not presented. At the conclusion of the baseline scenario evaluation, risk drivers were identified based on those COPECs for which unacceptable population-

level risk was predicted using the most refined exposure and effects assumptions (i.e., site-specific site use factor [SUF], depth-weighted EPCs, and selected TRVs).

5.6.1 Risk Characterization (Baseline Scenario and Depth-Weighted EPCs)

Risk estimates for large home-range wildlife (mammals and birds) for the baseline scenario using depth-weighted EPCs are summarized in this section. As mentioned earlier in Section 5.4 of this appendix, ECs and doses for COPECs in soil and potentially complete pathways were calculated as described, including equations, in Section 6.4 of the main report. Detailed risk calculations for wildlife (Tables OCS-C.1 through OCS-C.4) are presented in Attachment OCS-C. COPECs identified at the OCS potential exposure area for the baseline scenario include nine inorganic compounds (antimony, hexavalent chromium, total chromium, copper, cyanide, lead, mercury, thallium, and zinc), PAHs, TPHs, VOCs (bromomethane, chloromethane, chloroform, and methyl acetate), SVOCs (4-methylphenol, bis[2-ethylhexyl] phthalate, and isophorone), pesticides (4,4-DDT, 4,4-DDE, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, and dioxin TEQ (Table OCS-5.1). Potential risk to receptors exposed to these COPECs is described below.

5.6.1.1 Large Home-Range Mammals

For OCS, baseline risks were estimated for large home-range mammals using depth-weighted EPCs for the following evaluations and discussed in this section:

- Using the selected TRVs and a SUF equal to 1
- Using the BTAG TRVs and a SUF equal to 1
- Using the selected TRVs and a species and site-specific SUF
- Using the BTAG TRVs and a species and site-specific SUF.

5.6.1.1.1 Risks Evaluated Using an SUF Equal to 1

Risks Evaluated Using Selected TRVs

Table OCS-5.4a summarizes HQs estimated for large home-range mammals at the OCS potential exposure area using the selected TRVs, depth-weighted EPCs, and SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below. TRVs are not available for TPHs; however, potential risks to these receptors are characterized below based on indicator chemicals as described previously.

- **Desert kit fox (carnivorous mammal):** This potential receptor could potentially be exposed to COPECs in subsurface I soil (0 to 6 ft bgs) directly and surface soil (0 to 0.5 ft bgs) through its diet (i.e., uptake into biota and ingestion of those biota). The NOAEL- and LOAEL-based HQs in soil are less than 1 for all individual COPECs except 4,4-DDE and dioxin TEQ. The potential risks from COPECs with HQs greater than 1 are characterized below.
    - For 4,4-DDE, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous mammals; however, unacceptable risk to individual potential receptors are uncertain for 4,4-DDE based on the HQ. 4,4-DDE was detected at only three

of 117 locations in surface soil (frequency of detection [FOD] = 3% in 0 to 0.5 ft bgs), and the EPC was based on the maximum depth-weighted concentration (6.1 milligrams per kilogram [mg/kg]). The magnitude of the HQ is low. For areas where a constituent is largely not detected, use of a maximum concentration as the EPC may not appropriately characterize risk; therefore, potential risk to the fox from exposure to 4,4-DDE is likely overestimated. Unacceptable risk to individual carnivorous mammals from exposure to 4,4-DDE at the OCS potential exposure area is unlikely in this scenario.

  - For dioxin TEQ, the NOAEL-HQ is greater than 1, and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous mammals; however, unacceptable risk to individual potential receptors is uncertain for dioxin TEQ based on the HQ. Dioxin TEQ was frequently detected in surface soil (FOD = 100% in the 0 to 0.5 and 0 to 6 ft bgs intervals) with 152 of 234 surface soil locations (0 to 0.5 ft bgs) and 158 of 245 subsurface I soil (0 to 6 ft bgs) locations having depth-weighted concentrations exceeding the background threshold level (BTV; 5.58 nanograms per kilogram [ng/kg]). Concentrations greater than 10 times the BTV are found at 42 locations in surface soil and 49 locations in subsurface I soil. As described in Section 6.7.6 of the main report, the mammalian TRVs (lowest available NOAEL and LOAEL) and uptake factors (bioaccumulation based on a single congener is considered overly conservative) selected for dioxins at this site likely overestimate exposure and risk for this COPEC. T&E carnivorous/omnivorous large home-range mammals (i.e., ring-tailed cat) have been observed in parts of the OCS potential exposure area (i.e., BCW, see Section 5.1.1). Unacceptable risk to individual carnivorous mammals from exposure to dioxin TEQ at the OCS potential exposure area is unlikely in this scenario.
  - For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples, and the NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that no unacceptable risk to carnivorous mammals from exposure to TPH is expected.
  - The NOAEL- and LOAEL-based HQs for all other COPECs in soil are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous mammals for these COPECs**.**

- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** This potential receptor could potentially be exposed to COPECs in subsurface I soil (0 to 6 ft bgs) directly and through its diet. The NOAEL- and LOAEL-based HQs in soil are less than 1 for all individual COPECs, indicating *de minimis* risk to individuals and populations of herbivorous mammals.
  - For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples, and the NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that no unacceptable risk to herbivorous mammals from exposure to TPH is expected.

Based on the risk estimates and potential uncertainties associated with the baseline risk for 4,4-DDE and dioxin TEQ for carnivorous mammals, these COPECs were further evaluated using site-specific SUFs as discussed below.

Risks Evaluated Using the BTAG TRVs

Table OCS-5.4a also summarizes HQs estimated for large home-range mammals at the OCS potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized in the text and table below.

- **Desert Kit Fox (carnivorous mammal):** The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individual potential receptors and populations of carnivorous mammals.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individual potential receptors and populations of herbivorous large home-range mammals.

Summarized below are all HQ estimates for large home-range mammals for COPECs where at least one NOAEL-based HQ value (using the selected TRV or BTAG TRV) is greater than 1:

Hazard Quotient Summary for Large Home-Range Mammals (SUF = 1)								
	Desert Kit Fox				Nelson's Desert Bighorn Sheep			
COPEC	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
4,4-DDE	**3E+00**	5E-01	5E-01	2E-02	5E-04	1E-04	8E-05	4E-06
TEQ Mammals	**3E+00**	3E-01	--	--	7E-01	7E-02	--	--

Notes:
Bold indicates HQs > 1.
-- = HQ not estimated because TRVs unavailable.

5.6.1.1.2 Risks Evaluated Using a Site-Specific SUF

Risks Evaluated Using Selected TRVs

Table OCS-5.4b presents HQs calculated using the selected TRVs and BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized in the text and table below.

- **Desert Kit Fox (carnivorous mammal):** The site-specific SUF for this potential receptor is 0.01, which reduced the NOAEL-based HQs for 4,4-DDE and dioxin TEQ to less than 1. *De minimis* risk to individual receptors and populations of carnivorous mammals is expected when accounting for site use at the OCS potential exposure area.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The site-specific SUF for this potential receptor is 0.03, which further reduced the NOAEL- and LOAEL-based HQs below 1. *De minimis* risk to individual receptors and populations of herbivorous mammals is expected when accounting for site use at the OCS potential exposure area.

Risks Evaluated Using the BTAG TRVs

Table OCS-5.4b also summarizes HQs estimated for large home-range mammals at the OCS potential exposure area using the BTAG TRVs, depth-weighted EPCs, and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized in the text and table included below.

- **Desert Kit Fox (carnivorous mammal):** The site-specific SUF for this potential receptor further reduced the NOAEL- and LOAEL-based HQs in soil to less than 1 for all COPECs, indicating *de minimis* risk to individual receptors and populations of carnivorous large home-range mammals.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The site-specific SUF for this potential receptor further reduced the NOAEL- and LOAEL-based HQs in soil to less than 1 for all COPECs, indicating *de minimis* risk to individual receptors and populations of herbivorous large home-range mammals.

For the COPECs with NOAEL-based HQs greater than 1 using a SUF of 1 (using the selected TRV or BTAG TRV), HQ estimates using the species- and site-specific SUF for large home-range mammals are summarized below:

Hazard Quotient Summary for Large Home-Range Mammals (site-specific SUF)								
	Desert Kit Fox (SUF = 0.01)				Nelson's Desert Bighorn Sheep (SUF = 0.03)			
COPEC	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
4,4-DDE	3E-02	6E-03	6E-03	3E-04	2E-05	3E-06	3E-06	1E-07
TEQ Mammals	4E-02	4E-03	--	--	2E-02	2E-03	--	--

Note:
-- = HQ not estimated because TRVs unavailable.

5.6.1.1.3 Qualitative Risk Evaluation for Special-Status Mammals

As discussed earlier in Section 5.1.1, the ring-tailed cat (a California fully protected species) and three special-status species of bats including Yuma myotis (a federal species of concern), cave myotis (a state and federal species of concern), and pallid bat (a state species of concern) have been observed at BCW, which is within the OCS. Although potential risks to these receptors were not directly or quantitatively evaluated in this ERA, potential risks were evaluated qualitatively, as described below:

- For the ring-tail cat (California fully protected species), the desert kit fox is the most representative surrogate receptor based on body sizes, similar dietary preferences, and large home ranges. Unlike the fox, which lives and forages primarily in the open desert, on creosote bush flats, and amongst the sand dunes (National Park Service 2015), the ring-tail cat prefers habitat associated with water (California Department of Fish and Wildlife [CDFW] 2005) and is unlikely to use upland areas in the OCS potential exposure area frequently. Risk estimates for the fox are adequate to evaluate potential risk to the ring-tail

cat. The NOAEL-based HQs greater than 1 estimated for the fox using a SUF of 1 are low in magnitude and would reduce to *de minimis* levels using a site-specific SUF for ring-tail cat based on a home range of 109 to 1,280 acres (CDFW 2005). Because the ring-tail cat is likely to forage in the riparian area, the risk characterization for the Tamarisk Thicket is considered adequate for evaluating for potential risk to the ring-tail cat as well (see Appendix TT).

- For cave myotis and pallid bats (state species of concern), the desert shrew is the most representative surrogate receptor based on prey preferences (invertebrates); however, bats have significantly larger home ranges than shrews and are less exposed to soil, as they are aerial feeders. The NOAEL-based HQs for the shrew at BCW (the only potential exposure area within OCS where these receptors were observed; see Appendix BCW) are less than 1 for all COPECs except for antimony, total chromium, and dioxin TEQ. The NOAEL-based HQs would be reduced to *de minimis* levels when using a site-specific SUF for bats (e.g., 42 acres for myotis [Henry et al. 2002] compared to the home range of 0.1 for the shrew) in addition to the LOE discussed for BCW including compounded uncertainties related to dioxin uptake and TRVs.

Based on the results of the ERA, potential exposures to COPECs in soil at OCS potential exposure area are not expected to pose unacceptable risk to potential ecological receptors including special-status species.

5.6.1.1.4 Baseline Risk Summary for Large Home-Range Mammals Using Depth-Weighted EPCs

To summarize, based on the risks characterized for large home-range mammals exposed to COPECs in soil at the OCS potential exposure area using selected TRVs[5], depth-weighted EPCs, and a site- and species-specific SUF, the risk conclusions are as follows:

- **Desert Kit Fox (carnivorous mammals):** The NOAEL-based and LOAEL-based HQs are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous large home-range mammals, including T&E species, for all COPECs.
- **Nelson's Desert Bighorn Sheep (herbivorous mammals):** The NOAEL-based and LOAEL-based HQs are less than 1, indicating *de minimis* risk to individuals and populations of herbivorous mammals for all COPECs.
- Qualitative evaluation of special-status species (ring-tail cat and bats), using HQs for surrogate receptors and species-specific SUFs, indicates no unacceptable risk resulting from exposure to soil in the OCS potential exposure area for these species.

To summarize, based on the risks characterized for populations of large home-range mammals exposed to COPECs in soil at the OCS potential exposure area using selected TRVs[6], depth-weighted EPCs, and a site- and species-specific SUF, the NOAEL-based HQs and LOAEL-based HQs are less than 1 for all COPECs. This indicates no unacceptable risk to individuals or populations of large home-range mammals, including

[5] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions, and only those results are summarized.

[6] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions, and only those results are summarized.

T&E species, from exposure to soil at the OCS potential exposure area. No further evaluation of these potential receptors is required.

Potential Risk Drivers for Large Home-Range Mammals at the OCS Exposure Area

No risk-driving COPECs for large home-range mammals were identified at the OCS potential exposure area, as no potential for unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1) was predicted based on HQs calculated using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs[7], and selected TRVs) and additional supporting LOEs. Additionally, no COPECs with NOAEL-based HQs greater than 1, using the most refined exposure and effects assumptions and additional LOEs supporting the conclusions of unacceptable risk, were identified at the OCS potential exposure area.

5.6.1.2 Large Home-Range Birds

For the OCS potential exposure area, baseline risks were estimated for large home-range birds using depth-weighted EPCs for the following evaluations and are discussed in this section:

- Using the selected TRVs and SUF equal to 1
- Using the BTAG TRVs and a SUF equal to 1
- Using the selected TRVs and a species and site-specific SUF
- Using the BTAG TRVs and a species and site-specific SUF.

5.6.1.2.1 Risks Evaluated Using a SUF equal to 1

Risks Evaluated Using Selected TRVs

Table OCS-5.4a summarizes HQs estimated for large home-range birds (i.e., red-tailed hawk) at the OCS potential exposure area using the selected TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for this potential receptor are summarized in the text and table below.

- **Red-Tailed Hawk (carnivorous bird):** This potential receptor could potentially be exposed to COPECs in surface soil (0 to 0.5 ft bgs) directly and through its diet. The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs except for 4,4-DDE. The potential risks from COPECs with HQs greater than 1 are characterized below. TRVs are not available for TPHs; however, risks to this receptor are characterized below based on PAHs as indicator chemicals, as described previously.
    - For 4,4-DDE, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous birds. However, unacceptable risk to individual receptors are uncertain for 4,4-DDE based on the HQ. 4,4-DDE was detected in only three of 117 locations in surface soil (FOD = 3% in 0 to 0.5 ft bgs), and the EPC was based on the maximum depth-weighted concentration (6.1 mg/kg). The magnitude of the HQ is low. For areas where a constituent is largely not detected, use of a maximum concentration as the EPC may not appropriately

[7] Evaluation of area-weighted EPCs is not warranted for these receptors.

characterize risk; therefore, potential risk to the hawk from exposure to 4,4-DDE is likely overestimated. T&E carnivorous large home-range birds have not been observed in this area (see Section 5.1.1). Unacceptable risk to individual carnivorous birds from exposure to 4,4-DDE at the OCS potential exposure area is unlikely in this scenario.

- For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and the NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that no unacceptable risk to carnivorous birds from exposure to TPH is expected.
- The NOAEL- and LOAEL-based HQs for all other COPECs in soil are less than 1, indicating *de minimi*s risk to individuals and populations of carnivorous birds for these COPECs**.**

Based on the risk estimates and potential uncertainties associated with the baseline risk for 4,4-DDE for carnivorous birds, this COPEC was further evaluated site-specific SUFs as discussed below.

Risks Evaluated Using the BTAG TRVs

Table OCS-5.4a also summarizes HQs estimated for large home-range birds at the OCS potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized in the text and table below.

- **Red-Tailed Hawk (carnivorous bird):** The NOAEL-based HQs for lead, 4,4-DDT, and 4,4-DDE are greater than 1, and the LOAEL-based HQs are less than or equal to 1, indicating no unacceptable risk to potential populations of carnivorous birds. However, unacceptable risk to individual receptors is uncertain for these COPECs based on the HQs. The potential risks from lead are likely overestimated due to the conservative avian TRV. The potential risks from 4,4-DDT and 4,4-DDE are likely overestimated due to the depth-weighted EPCs based on the maximum depth-weighted concentration in surface soil, which may not appropriately characterize risk. Uncertainties associated with the BTAG TRVs are discussed in Section 6.7.5 of the main report. The NOAEL- and LOAEL-based HQs for other COPECs in soil are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for the remaining COPECs.

Summarized below are all HQ estimates for potential large home-range birds for COPECs where at least one NOAEL-based HQ value (using the selected TRV or BTAG TRV) is greater than 1:

COPEC	Red-Tailed Hawk (SUF = 1)			
	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Lead	3E-01	1E-01	**3E+01**	5E-02
4,4-DDE	**4E+00**	4E-01	**9E+01**	1E+00
4,4-DDT	1E-01	1E-02	**3E+00**	2E-02

Note:
Bold indicates HQs > 1.

5.6.1.2.2 Risks Evaluated Using a Site-Specific SUF

Risks Evaluated Using Selected TRVs

Table OCS-5.4b presents HQs calculated using the selected TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized in the text and table below.

- **Red-Tailed Hawk (carnivorous bird):** The site-specific SUF for this potential receptor is 0.02, which reduced the NOAEL- and LOAEL-based HQs to less than 1 for all COPECs. *De minimis* risk to individual receptors and populations of carnivorous birds is expected when accounting for site use at the OCS potential exposure area.

Risks Evaluated Using the BTAG TRVs

Table OCS-5.4b also summarizes HQs estimated for large home-range birds at the OCS potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized in the text and table below.

- **Red-Tailed Hawk (carnivorous bird):** The site-specific SUF for this potential receptor is 0.02, which reduced the NOAEL-based HQs for lead, 4,4-DDE, and 4,4-DDT to less than or equal to 1. *De minimis* risk to individual receptors and populations of carnivorous birds is expected when accounting for site use at the OCS potential exposure area.

For the COPECs with NOAEL-based HQs greater than 1 using a SUF of 1 (using the selected TRV or BTAG TRV), HQ estimates using the species- and site-specific SUF for large home-range birds are summarized below:

COPEC	Red-Tailed Hawk (SUF = 0.02)			
	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Lead	4E-03	2E-03	5E-01	7E-04
4,4-DDE	6E-02	6E-03	1E+00	2E-02
4,4-DDT	2E-03	2E-04	5E-02	3E-04

5.6.1.2.3 Baseline Risk Summary for Large Home-Range Birds Using Depth-Weighted EPCs

To summarize, based on the risks characterized for populations of large home-range birds potentially exposed to COPECs in soil at the OCS potential exposure area using selected TRVs[8], depth-weighted EPCs, and a site-specific SUF, the risk conclusions are as follows:

[8] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions, and only those results are summarized.

- For red-tailed hawk (carnivorous birds), the NOAEL- and LOAEL-based HQs for all COPECs are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for all COPECs.

Based on the risks characterized for populations of large home-range birds exposed to COPECs in soil at the OCS potential exposure area using selected TRVs, depth-weighted EPCs, and a site- and species-specific SUF, the NOAEL-based HQs and LOAEL-based HQs are less than 1 for all COPECs. This indicates no unacceptable risk to individuals or populations of birds due to exposure to soil at the OCS potential exposure area. No further evaluation of this potential receptor is required.

Potential Risk Drivers for Large Home-Range Birds at the OCS Exposure Area

No risk-driving COPECs for large home-range birds were identified at the OCS potential exposure area, as no unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1) was predicted using HQs calculated from the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs[9], and selected TRVs) and additional supporting LOEs. Additionally, no COPECs with NOAEL-based HQs greater than 1 using the most refined exposure and effects assumptions and additional LOEs supporting the conclusions of unacceptable risk were identified at the OCS potential exposure area.

[9] Evaluation of area-weighted EPCs is not warranted for these receptors.

6 SUMMARY AND CONCLUSIONS FOR THE HHERA

Potential cumulative cancer risks and noncancer hazards for human receptors were estimated, as presented in Section 4 of this appendix. For ecological receptors, potential risks were estimated as presented in Section 5 of this appendix. Uncertainties related to the HHRA and ERA at the site are discussed in detail in Sections 5.6 and 6.7 of the main report, and uncertainties specific to the OCS potential exposure area are discussed in this appendix. For the OCS potential exposure area, an HHRA and ERA were conducted per the RAWP documents (Arcadis 2008, 2009a, 2015). One scenario was evaluated: Baseline (no scouring). Risks were estimated for various receptors using depth-weighted EPCs and area-weighted EPCs (HHRA only). Risks based on depth-weighted EPCs did not suggest potential risk to ecological receptors (i.e., HQs were less than or equal to 1 for all COPECs); therefore, risk estimates based on area-weighted EPCs were not necessary.

At the OCS potential exposure area, the COPCs/COPECs identified for the HHERA include eight metals (antimony, hexavalent chromium, total chromium, copper, lead, mercury, thallium, and zinc), inorganic compounds (cyanide, nitrate, orthophosphate, and phosphate), VOCs (bromomethane, chloromethane, chloroform, isophorone, and methyl acetate), SVOCs (4-methylphenol, bis[2-ethylhexyl] phthalate, butylbenzylphthalate), LMW and HMW PAHs, pesticides (4,4-DDE, 4,4-DDT, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, TPH as diesel, TPH as motor oil, and dioxins and furans. A summary of these results and conclusions regarding potential risk associated with exposure to these COPCs/COPECs in soil at the OCS potential exposure area based on the risk/hazard estimates and uncertainties inherent in the risk assessment process is presented in this section.

The conclusions reached after completing the HHRA and ERA for the OCS potential exposure area are presented below.

6.1 Summary and Conclusions for the HHRA

The cumulative ILCRs and HIs associated with potential exposure to COPCs in soil at the OCS potential exposure area using depth- and area-weighted EPCs under the baseline scenario were estimated. Assuming that lifetime soil contact occurs randomly over the entire OCS potential exposure area for the receptors evaluated, the estimated potential ILCR and HI results are summarized in the table and discussed below.

Baseline Scenario Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index

Potential Receptor and Exposure Depth		OCS Potential Exposure Area					
		Cumulative ILCR				HI	
		Depth-Wt	Alternate Depth-Wt	Area-Wt	Alternate Area-Wt	Depth-Wt	Area-Wt
Short-Term Maintenance Worker	Surface	**3×10^{-6}** (CrVI)	≤1×10^{-6}	**2×10^{-6}** (CrVI)	≤1×10^{-6}	≤1	≤1
	Shallow	**2×10^{-6}** (CrVI)	≤1×10^{-6}	≤1×10^{-6}	≤1×10^{-6}	≤1	≤1
	Subsurface I	≤1×10^{-6}	≤1×10^{-6}	≤1×10^{-6}	≤1×10^{-6}	≤1	≤1

Baseline Scenario Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index							
Potential Receptor and Exposure Depth		OCS Potential Exposure Area					
		Cumulative ILCR				HI	
		Depth-Wt	Alternate Depth-Wt	Area-Wt	Alternate Area-Wt	Depth-Wt	Area-Wt
	Subsurface II	≤1 x 10^{-6}	≤1 x 10^{-6}	≤1 x 10^{-6}	≤1 x 10^{-6}	≤1	≤1
Long-Term Maintenance Worker	Surface	**2 x 10^{-5}** (CrVI and dioxin TEQ)	**3 x 10^{-6}** (CrVI and dioxin TEQ)	**1 x 10^{-5}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
	Shallow	**2 x 10^{-5}** (CrVI and dioxin TEQ)	**4 x 10^{-6}** (CrVI and dioxin TEQ))	**9 x 10^{-6}** (CrVI and dioxin TEQ)	**2 x 10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
	Subsurface I	**9 x 10^{-6}** (CrVI and dioxin TEQ)	**4 x 10^{-6}** (CrVI and dioxin TEQ)	**5 x 10^{-6}** (CrVI and dioxin TEQ)	**2 x 10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
	Subsurface II	**7 x 10^{-6}** (CrVI and dioxin TEQ)	**4 x 10^{-6}** (CrVI and dioxin TEQ)	**4 x 10^{-6}** (CrVI and dioxin TEQ)	**2 x 10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
Camper	Surface	**3 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	**2 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
	Shallow	**2 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	**2 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
Hiker	Surface	**6 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	**5 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
	Shallow	**5 x 10^{-6}** (CrVI and dioxin TEQ)	**2 x 10^{-6}** (CrVI and dioxin TEQ)	**3 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
Hunter	Surface	≤1 x 10^{-6}	--	--	--	≤1	--
	Shallow	≤1 x 10^{-6}	--	--	--	≤1	-
OHV Rider	Surface	**1 x 10^{-5}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	**7 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
	Shallow	**8 x 10^{-6}** (CrVI and dioxin TEQ)	**2 x 10^{-6}** (CrVI and dioxin TEQ)	**5 x 10^{-6}** (CrVI and dioxin TEQ)	≤1 x 10^{-6}	≤1	≤1
Tribal User	Surface	≤1 x 10^{-6}	--	--	--	≤1	--
	Shallow	≤1 x 10^{-6}	--	--	--	≤1	--

Note:
-- = Area-weighted (area-wt) estimate not calculated because depth-weighted (depth-wt) estimates for the receptor were below *de minimis* levels.

Depth-Weighted

Potential exposures that are below or at *de minimis* levels include the following:

- **HI ≤ 1 for all soil depths** – All receptors evaluated including: Short-Term Maintenance Worker, Long-Term Maintenance Worker, Camper, Hiker, Hunter, OHV Rider, and Tribal User.
- **ILCR ≤ 1×10^{-6}** – Short-Term Maintenance Worker (subsurface I and subsurface II), Hunter (surface and shallow), and Tribal User (surface and shallow).

Potential exposures that are above *de minimis* levels of HI > 1 and/or within the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **HI > 1 and ≤ 3** – None.
- **HI > 3** – None.
- **ILCR > 1×10^{-6} and ≤ 5×10^{-6}** – Short-Term Maintenance Worker (surface and shallow), Camper (surface and shallow), and Hiker (shallow).
- **ILCR > 5×10^{-6} and ≤ 1×10^{-5}** – Long-Term Maintenance Worker (subsurface I and subsurface II), Hiker (surface) and OHV Rider (surface and shallow).
- **ILCR > 1×10^{-5} and ≤ 1×10^{-4}** – Long-Term Maintenance Worker (surface and shallow).

Potential exposures that are above the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1×10^{-4}** – None.

Assuming that lifetime soil contact occurs randomly over the entire OCS potential exposure area, the depth-weighted estimated risks above *de minimis* levels for the short-term and long-term maintenance workers, camper, hiker, and OHV rider were due to hexavalent chromium and/or dioxin TEQ. Therefore, potential risks/hazards for these five receptors were evaluated using area-weighted EPCs and are provided below.

Area-Weighted

Potential exposures that are below or at *de minimis* levels include the following:

- **HI ≤ 1 for all soil depths** – All receptors evaluated including: Short-Term Maintenance Worker, Long-Term Maintenance Worker, Camper, Hiker, and OHV Rider.
- **ILCR ≤ 1×10^{-6}** – Short-Term Maintenance Worker (shallow, subsurface I and subsurface II), Hunter (surface and shallow), and Tribal User (surface and shallow).

Potential exposures that are above *de minimis* levels of HI > 1 and/or within the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **HI > 1 and ≤ 3** – None.
- **HI > 3** – None.
- **ILCR > 1×10^{-6} and ≤ 5×10^{-6}** – Short-Term Maintenance Worker (surface), Long-Term Maintenance Worker (subsurface I and subsurface II), Camper (surface and shallow), Hiker (surface and shallow), and OHV Rider (shallow).

- **ILCR > 5 x 10^{-6} and ≤ 1 x 10^{-5}** – Long-Term Maintenance Worker (surface and shallow) and OHV Rider (surface).
- **ILCR > 1 × 10^{-5} and ≤ 1 × 10^{-4}** – None.

Potential exposures that are above the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1 × 10^{-4}** – None.

OVERALL SUMMARY

The estimated cumulative ILCRs and HIs associated with potential exposure to COPCs in soil at the OCS potential exposure area using depth-weighted EPCs for the hunter and tribal user are below 1×10^{-6} and 1, respectively. The estimated cumulative HIs for all other receptors are below an HI of 1. However, the cumulative ILCRs estimated using the depth- and area-weighted EPCs for the short- and long-term maintenance workers, camper, hiker, and OHV rider were above the point of departure for risk management decisions of 1×10^{-6}, but within the risk management range of 1×10^{-6} and 1×10^{-4}.

For the OCS potential exposure area, the depth- and area-weighted risk estimates are not substantially different, with area-weighted estimated cumulative ILCRs being approximately 1.3 to 1.8 times lower than depth-weighted estimates for the same receptor and exposure depth. As shown in the table above, this difference reduced the risk category for the short-term maintenance worker (shallow), long-term maintenance worker (surface, shallow, subsurface I, and subsurface II), hiker (surface), and OHV rider (surface and shallow), but does not substantially change the overall outcome for the risk estimates for this exposure area. The hazards are not noticeably impacted since all the estimated cumulative HIs were < 1 with both depth- and area-weighted evaluations. Furthermore, the depth- and area-weighted EPCs for lead in all soil at the OCS potential exposure area are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 µg/dL for the child recreational user and the fetus of a short-term maintenance worker, long-term maintenance worker, or hunter.

Risks/hazards estimated for the combination of all individual potential exposure areas evaluated as the OCS potential exposure area are considered more representative of the realistic or likely potential exposures for the human populations that could be present in the areas outside the TCS (such as the short- and long-term maintenance workers, recreational users, and tribal user) than the risks/hazards estimated for individual potential exposure areas. Risks/hazards calculated separately for individual AOCs are conservative and likely overestimate site risks/hazards. As described in the RAWP (Arcadis 2008), these human populations would more likely be exposed randomly over the course of a lifetime to soil present in all OCS potential exposure areas rather than have a lifetime of contact limited to the area of a single potential exposure area. Therefore, risks/hazards presented for the OCS potential exposure area, rather than individual potential exposure areas, are believed to be most representative of the potential health risks to humans potentially contacting the soil in all exposure areas outside the TCS.

Sensitivity Analysis and Alternate EPC/ILCR Evaluation

As described in the RAWP (Arcadis 2008), the human populations that could be present in the areas outside the TCS (i.e., the short- and long-term maintenance workers, recreational users, and tribal user) would more likely be exposed randomly over the course of a lifetime to soil present in all potential exposure areas outside the TCS rather than have a lifetime of contact limited to the area of a single potential exposure area.

Therefore, the combination of all potential exposure areas outside the TCS, evaluated as the OCS potential exposure area, is the scenario in this HHRA considered to most appropriately represent both current and potential future exposures for the short- and long-term maintenance workers, recreational users, and tribal user.

To more clearly understand the locations of the risk drivers, a sensitivity analysis was performed to provide the risk managers with perspective on the areas/locations for the COPCs that are driving risk estimates and contributing most significantly to estimates of excess risk. Estimated HIs were not evaluated in the sensitivity analysis because all receptors had HIs <1 for all exposure depths in the original depth- and area-weighted evaluations. The sensitivity analysis did not evaluate the hunter and tribal user because their cumulative ILCRs for all exposure depths in the original depth- and area-weighted evaluations were below 1×10^{-6}.

As shown in the table above and discussed in Section 4 of this appendix, the risk drivers for the OCS potential exposure area are hexavalent chromium and dioxin TEQ. The highest concentrations of hexavalent chromium and dioxin TEQ appear to be localized in the SWMU 1 and TCS-4 areas within BCW and at location AOC10-20 (see Figure OCS-1.1a for locations within SWMU 1, locations around location TCS-4, and location AOC10-20). Alternate depth- and area-weighted EPCs for the OCS potential exposure area for hexavalent chromium and dioxin TEQ were calculated excluding analytical data from SMWU 1 and TCS-4 potential exposure area (as described in Appendix SWMU1) and from location AOC10-20. The alternate depth- and area-weighted EPCs for these two compounds were then used, along with the original depth- and area-weighted EPCs for all other COPCs evaluated, to estimate alternate cumulative risks for the short- and long-term maintenance workers, camper, hiker, and OHV rider.

Alternate Depth-Weighted

Using alternate depth-weighted EPCs for hexavalent chromium and dioxin TEQ as described for the sensitivity analysis, alternate depth-weighted cumulative ILCRs were estimated for the short- and long-term maintenance workers, camper, hiker, and OHV rider. The alternate depth-weighted estimated cumulative ILCRs for these receptors are shown on the table above, and are described below:

Potential exposures that are below or at the *de minimis* level of 1×10^{-6} include the following:

- **ILCR $\leq 1\times10^{-6}$** – Short-Term Maintenance Worker (all soil depths), Camper (surface and shallow), Hiker (surface), and OHV Rider (surface).

Potential exposures that are above the *de minimis* levels of 1×10^{-6} and within the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1×10^{-6} and $\leq 5\times10^{-6}$** – Long-Term Maintenance Worker (all soil depths), Hiker (shallow), and OHV Rider (shallow).
- **ILCR > 5×10^{-6} and $\leq 1 \times 10^{-5}$** – None.
- **ILCR > 1×10^{-5} and $\leq 1\times10^{-4}$** – None.

Potential exposures that are above the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1×10^{-4}** – None.

Assuming that lifetime soil contact occurs randomly over the entire OCS potential exposure area (with the removal of selected hexavalent chromium and dioxin TEQ data as described for the sensitivity analysis), the

alternate depth-weighted cumulative ILCRs estimated for the short-term maintenance worker, camper, hiker (surface), and OHV rider (surface) were below 1 x 10^{-6}. The alternate depth-weighted cumulative ILCRs estimated for the long-term maintenance worker, hiker (shallow), and OHV rider (shallow) were above 1 x 10^{-6}, the point of departure for risk management decisions, and below 5 x 10^{-6}. These values are well within the risk management range of 1 x 10^{-6} and 1 x 10^{-4}.

Alternate Area-Weighted

Using alternate area-weighted EPCs for hexavalent chromium and dioxin TEQ as described for the sensitivity analysis, alternate area-weighted cumulative ILCRs were estimated for the short- and long-term maintenance workers, camper, hiker, and OHV rider. The alternate area-weighted estimated cumulative ILCRs for these receptors are shown on the table above, and are described below:

Potential exposures that are below or at the *de minimis* level of 1 x 10^{-6} include the following:

- **ILCR $\leq 1\times10^{-6}$** – Short-Term Maintenance Worker (all soil depths), Long-Term Maintenance Worker (surface), Camper (surface and shallow), Hiker (surface and shallow), and OHV Rider (surface and shallow).

Potential exposures that are above the *de minimis* levels of 1 x 10^{-6} and within the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1×10^{-6} and $\leq 5\times10^{-6}$** – Long- Term Maintenance Worker (shallow, subsurface I, and subsurface II).
- **ILCR > 5 x 10^{-6} and $\leq$ 1 x 10^{-5}** – None.
- **ILCR > 1×10^{-5} and $\leq 1\times10^{-4}$** – None.

Potential exposures that are above the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1×10^{-4}** – None.

Assuming that lifetime soil contact is limited to the OCS potential exposure area (with the removal of selected hexavalent chromium and dioxin TEQ data as described for the sensitivity analysis), the alternate area-weighted cumulative ILCRs estimated for the long-term maintenance worker (shallow), short-term maintenance worker (all depths), camper (all depths), hiker (all depths), and OHV rider (all depths) were below 1 x 10^{-6}. The alternate area-weighted cumulative ILCRs estimated for the long-term maintenance worker for shallow, subsurface I, and subsurface II soil were slightly above 1 x 10^{-6} (i.e., at 2 x 10^{-6}). These values are well within the risk management range of 1 x 10^{-6} and 1 x 10^{-4}.

SENSITIVITY ANALYSIS SUMMARY

Assuming that lifetime soil contact is limited to the OCS potential exposure area, the sensitivity analysis demonstrates that there are some specific locations in this exposure area that drive the excess estimates of human health risk due to the presence of hexavalent chromium and dioxin TEQ in soil. Removing the data representing those elevated concentration locations, and estimating the alternate ILCR values, shows for both the depth- and area-weighted evaluations that some type of targeted remedial actions is likely to reduce residual risk levels to at or just above 1 x 10^{-6}, the point of departure for risk management decisions. The depth- and area-weighted risk estimates are not substantially different. As shown in the table above, using the

area-weighted EPCs reduced the risk category for the long-term maintenance worker (surface), hiker (shallow), and OHV rider (shallow) from just above 1 x 10^{-6} to at or just below 1 x 10^{-6}, but does not substantially change the overall outcome for the risk estimates for this exposure area. Additional details regarding specific locations contributing to excess risk are provided in Section 8 of the main report.

6.2 Summary and Conclusions for the ERA

At the OCS potential exposure area, nine inorganic compounds (antimony, hexavalent chromium, total chromium, copper, cyanide, lead, mercury, thallium, and zinc), four VOCs (bromomethane, chloromethane, chloroform, and methyl acetate), three SVOCs (4-methylphenol, bis[2-ethylhexyl] phthalate, and isophorone), LMW PAHs, HMW PAHs, pesticides (4,4-DDT, 4,4-DDE, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, dioxin TEQ, and TPHs were identified as COPECs. Risks could not be estimated for receptors lacking available TRVs for COPECs; such cases are discussed in the uncertainty analysis of the main report. These COPECs are unlikely to be risk drivers and are assumed to have minimal impact to the conclusions of the ERA.

Potential risks were estimated using depth-weighted EPCs. Evaluation of area-weighted EPCs was not necessary based on the results of the depth-weighted EPC evaluation. Risk conclusions were based on the following criteria:

- COPECs with NOAEL-based HQs less than or equal to 1 pose *de minimis* risk to wildlife receptors.
- COPECs with NOAEL-based HQs greater than 1 but LOAEL-based HQs less than or equal to 1 pose no unacceptable risk to wildlife populations. However, potential for unacceptable risk to individuals is uncertain based on the HQ. A WOE approach was used to characterize potential risk to individual receptors.
- COPECs with LOAEL-based HQs greater than 1 pose possible unacceptable risk to populations of wildlife receptors.

The risk estimates (i.e., HQs) represent a single LOE in the risk characterization. A qualitative WOE approach, incorporating other LOEs and uncertainties, was used to characterize risk to wildlife populations at the OCS exposure area. HQs for COPECs for the baseline scenario calculated using depth-weighted EPCs, selected TRVs, and site- and species-specific SUFs are summarized in Table OCS-6.1. The LOAEL-based HQs based on depth-weighted EPCs were less than 1 for desert kit fox, Nelson's desert bighorn sheep, and red-tailed hawk. The various LOEs considered in the WOE assessment and risk conclusions are presented in Table OCS-6.2.

Based on the ecological risk characterization for OCS, using depth-weighted EPCs, selected TRVs, and site- and species-specific SUFs, the following conclusions were made.

6.2.1 Mammals

Overall, no unacceptable risk to populations of large home-range mammals potentially exposed to COPECs in soil is expected. The NOAEL- and LOAEL-based HQs are less than 1 for all the COPECs in soil at OCS potential exposure area, indicating d*e minimis* risk to carnivorous mammals (represented by the desert kit fox) and herbivorous mammals (represented by Nelson's desert bighorn sheep).

Large home-range T&E species have been observed in BCW within the OCS potential exposure area, including the ring-tail cat (California fully protected species; primarily a carnivorous mammal). Bat surveys indicated presence of cave myotis and pallid bat, both state species of concern, at BCW (Harvey 2015). Yuma myotis (*Myotis yumanensis*), although not formally listed, was also observed at BCW. Based on the qualitative evaluation of special-status species and the results of the ERA (i.e., NOAEL-based HQs are less than 1 for all the COPECs), potential exposures to COPECs in soil at OCS potential exposure area are not expected to pose unacceptable risk to special-status species.

6.2.2 Birds

Overall, no unacceptable risk to populations of large home-range birds exposed to COPECs in soil is expected. The NOAEL- and LOAEL-based HQs are less than 1 for all the COPECs in soil at OCS potential exposure area, indicating d*e minimis* risk to carnivorous birds (represented by the red-tailed hawk).

T&E birds with large home ranges have not been observed in the OCS potential exposure area. No unacceptable risk to individual receptors exposed to COPECs in soil at the OCS exposure area is expected.

6.2.3 Potential Risk Drivers for OCS Exposure Area

As presented in Table OCS-6.2 and summarized in the table below, no risk drivers were identified for the OCS potential exposure area based on unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1 for mammals and birds) predicted from HQs calculated using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs, and selected TRVs) and additional LOE supporting the conclusion of unacceptable risk.

Scenario	Potential Receptors and Risk Drivers at the OCS Exposure Area		
	Carnivorous Mammals (Desert Kit Fox)	Herbivorous Mammals (Nelson's Desert Bighorn Sheep)	Carnivorous Birds (Red-tailed Hawk)
Baseline	None	None	None

7 REFERENCES

Arcadis. 2008. Human Health and Ecological Risk Assessment Work Plan (RAWP), Topock Compressor Station, Needles, California. August.

Arcadis. 2009a. Revised Addendum to the Revised Human Health and Ecological Risk Assessment Work Plan, Topock Compressor Station, Needles, California. February.

Arcadis. 2009b. Final Groundwater Human Health and Ecological Risk Assessment, Topock Compressor Station, Needles, California. November 19.

Arcadis. 2015. Final Human Health and Ecological Risk Assessment Work Plan Addendum 2. Topock Compressor Station, Needles, California. June.

CDFW. 2005. Ringtail. California Wildlife Habitat Relationships System. California Interagency Wildlife Task Group. Available at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=2581&inline=1.

CH2M. 2014. Final Programmatic Biological Assessment for Pacific Gas and Electric Topock Compressor Station Remedial and Investigative Actions. January.

CH2M. 2015a. Basis of Design Report/Final 100% Design Submittal for the Final Groundwater Remediation. November.

CH2M. 2015b. Assessment of Potential Impacts to Four Special-Status Species for Soil Environmental Impact Report Investigation and Final Groundwater Remedy Areas, Topock Compressor Station, California. February.

CH2M. 2017. Topock Groundwater Remediation Project Pre-Construction Floristic Survey Report – Spring 2017. Prepared for Pacific Gas and electrical. October.

DTSC. 1996. Guidance for Ecological Risk Assessment at Hazardous Waste Sites and Permitted Facilities. Part A and B. California Environmental Protection Agency Department of Toxic Substances Control. July.

DTSC. 2002. U.S. EPA Region 9 BTAG Recommended Toxicity Reference Values for Mammals (Revision Date 11/21/2002). Department of Toxic Substances Control: Human and Ecological Risk Division.

DTSC. 2009. U.S. EPA Region 9 BTAG Recommended Toxicity Reference Values for Birds (Revision Date 02/24/09). Department of Toxic Substances Control: Human and Ecological Risk Division.

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. California Environmental Protection Agency, Department of Toxic Substances Control. October.

DTSC. 2018. Statement of Decision and Resolution of Approval for the Pacific Gas and Electric Company, Topock Compressor Station Final Groundwater Remediation Project Subsequent Environmental Impact Report. April 24.

GANDA. 2014. Southwestern Willow Flycatcher Survey for the PG&E Topock Compressor Station. October.

GANDA. 2017. 2017 Southwestern Willow Flycatcher Presence/Absence Surveys for the PG&E Topock Compressor Station. October.

Harvey, H.T. 2015. Topock Compressor Station Summer Roosting Bat Surveys and Potential Project Impacts. Final Report. November.

Henry M, D.W. Thomas, R. Vaudry, and M. Carrier. 2002. Foraging distances and home ranges of pregnant and lactating little brown bats. Journal of Mammalogy 83(3): 767-774.

National Park Service. 2015. Desert Kit Fox. February.

Sample, B. E., D. M. Opresko, and G. W. Suter II. 1996. Toxicological Benchmarks for Wildlife. Prepared for the U.S. Department of Energy Office of Environmental Management by Oak Ridge National Laboratory. June.

USEPA. 1989. Risk Assessment Guidance for Superfund. Volume 1: Human Health Evaluation Manual (Part A). Interim Final. Office of Emergency and Remedial Response. EPA-540/1-89/002. Washington, DC. December.

USEPA. 1998. Guidelines for Ecological Risk Assessment. EPA/630/R-95/002F. U.S. Environmental Protection Agency. May.

USEPA. 1999. Region 6 Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities: Appendix E Toxicity Reference Values. August.

USEPA. 2008. Guidance for Developing Ecological Soil Screening Levels, Interim Final Documents. Available at: https://rais.ornl.gov/guidance/epa_eco.html.

TABLES

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
#10	04/06/00	#10	0	3	0.5	0-0.5	--
#11	04/06/00	#11	0	3	0.5	0-0.5	--
#12	04/06/00	#12	0	3	0.5	0-0.5	--
#4	04/06/00	#4	0	3	0.5	0-0.5	--
#5	04/06/00	#5	0	3	0.5	0-0.5	--
#6	04/06/00	#6	0	3	0.5	0-0.5	--
#7	04/06/00	#7	0	3	0.5	0-0.5	--
#8	04/06/00	#8	0	3	0.5	0-0.5	--
#9	04/06/00	#9	0	3	0.5	0-0.5	--
24soil-01	01/31/08	24soil-01	2.5	3	3	0-03	--
24soil-02	01/31/08	24soil-02	2.5	3	3	0-03	--
300a-09-1000	04/06/11	AOC28-OS1	0	0.5	0.5	0-0.5	--
300a-09-1001	04/06/11	AOC28-OS1	2.5	3	3	0-03	--
300a-09-1002	04/06/11	AOC28-OS1	5.5	6	6	0-06	--
300a-09-1003	04/06/11	AOC28-OS1	9	9.5	9.5	0-10	--
300a-31-1020	04/06/11	AOC10-OS4	6.5	7	7	0-10	--
300a-31-1021	04/06/11	AOC10-OS4	6.5	7	7	0-10	--
300a-33-1030	04/06/11	AOC10-OS3	5	5.5	5.5	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
300a-34-1040	04/06/11	AOC10-OS2	0	0.5	0.5	0-0.5	--
300a-34-1041	04/06/11	AOC10-OS2	2.5	3	3	0-03	--
300a-34-1043	04/06/11	AOC10-OS2	5.5	6	6	0-06	--
300a-36-1-1050	04/06/11	AOC10-OS1	0	0.5	0.5	0-0.5	--
300a-36-1-1051	04/06/11	AOC10-OS1	2.5	3	3	0-03	--
300a-36-1-1052	04/06/11	AOC10-OS1	5.5	6	6	0-06	--
300a-36-1-1053	04/06/11	AOC10-OS1	9.5	10	10	0-10	--
300a-36-1-1054	04/06/11	AOC10-OS1	11	11.5	11.5	NE	Excluded from HHERA (> 10 ft bgs)
300b-103-1080	04/06/11	AOC11g-OS1	0	0.5	0.5	0-0.5	--
300b-103-1081	04/06/11	AOC11g-OS1	2.5	3	3	0-03	--
300b-103-1082	04/06/11	AOC11g-OS1	5.5	6	6	0-06	--
300b-103-1083	04/06/11	AOC11g-OS1	8.5	9	9	0-10	--
300B-1-10001	09/23/08	UA2-300B-1	0	0.5	0.5	0-0.5	--
300B-1-10002	09/23/08	UA2-300B-1	0.5	1	1	0-03	--
300B-1-10003	10/23/08	UA2-300B-1	2.5	3	3	0-03	--
300B-1-10004	10/23/08	UA2-300B-1	5.5	6	6	0-06	--
300b-17-1070	04/06/11	AOC28-OS2	0	0.5	0.5	0-0.5	--
300b-17-1071	04/06/11	AOC28-OS2	2.5	3	3	0-03	--

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
300b-17-1072	04/06/11	AOC28-OS2	5.5	6	6	0-06	--
300b-17-1073	04/06/11	AOC28-OS2	8.5	9	9	0-10	--
300B-2-10005	10/03/08	UA2-300B-2	0	0.5	0.5	0-0.5	--
300B-2-10006	10/03/08	UA2-300B-2	0.5	1	1	0-03	--
300B-2-10007	10/03/08	UA2-300B-2	2	3	3	0-03	--
300B-3-10009	10/03/08	UA2-300B-3	0	0.5	0.5	0-0.5	--
300B-3-10010	10/03/08	UA2-300B-3	0.5	1	1	0-03	--
300B-3-10011	10/03/08	UA2-300B-3	0.5	1	1	0-03	--
300B-3-10012	10/03/08	UA2-300B-3	2	3	3	0-03	--
300B-3-10013	10/03/08	UA2-300B-3	5	6	6	0-06	--
300b-40-1090	04/06/11	PA-OS1	0	0.5	0.5	0-0.5	--
300b-40-1091	04/06/11	PA-OS1	2.5	3	3	0-03	--
300b-40-1092	04/06/11	PA-OS1	5.5	6	6	0-06	--
300b-40-1093	04/06/11	PA-OS1	9	9.5	9.5	0-10	--
300B-4-10014	10/03/08	UA2-300B-4	0	0.5	0.5	0-0.5	--
300B-4-10015	10/03/08	UA2-300B-4	0.5	1	1	0-03	--
300B-4-10016	10/03/08	UA2-300B-4	2	3	3	0-03	--
300B-5-10018	10/03/08	UA2-300B-5	0	0.5	0.5	0-0.5	--

Table OCS-1.1
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
300B-5-10019	10/03/08	UA2-300B-5	0.5	1	1	0-03	--
300B-5-10020	10/03/08	UA2-300B-5	2	3	3	0-03	--
AOC10-10-5200	01/22/16	AOC10-10	0	1	0.5	0-0.5	--
AOC10-10-5201	01/22/16	AOC10-10	2	3	3	0-03	--
AOC10-10-5202	01/22/16	AOC10-10	5	6	6	0-06	--
AOC10-10-5203	01/22/16	AOC10-10	9	10	10	0-10	--
AOC10-10-5204	01/22/16	AOC10-10	9	10	10	0-10	--
AOC10-11-5205	01/22/16	AOC10-11	0	1	0.5	0-0.5	--
AOC10-11-5206	01/22/16	AOC10-11	0	1	0.5	0-0.5	--
AOC10-11-5207	01/22/16	AOC10-11	2	3	3	0-03	--
AOC10-11-5208	01/22/16	AOC10-11	5	6	6	0-06	--
AOC10-11-5209	01/22/16	AOC10-11	9	10	10	0-10	--
AOC10-12-5210	01/22/16	AOC10-12	0	0.5	0.5	0-0.5	--
AOC10-12-5211	01/22/16	AOC10-12	2	3	3	0-03	--
AOC10-12-5212	01/22/16	AOC10-12	5	6	6	0-06	--
AOC10-12-5213	01/22/16	AOC10-12	9	10	10	0-10	--
AOC10-13-5214	12/03/15	AOC10-13	0	1	0.5	0-0.5	--
AOC10-13-5215	12/03/15	AOC10-13	0	1	0.5	0-0.5	--
AOC10-14-5216	12/03/15	AOC10-14	0	1	0.5	0-0.5	--
AOC10-1-5001	10/02/08	AOC10-1	0	0.5	0.5	0-0.5	--
AOC10-1-5002	10/02/08	AOC10-1	2	3	3	0-03	--
AOC10-1-5003	10/02/08	AOC10-1	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-1-5004	10/02/08	AOC10-1	9	10	10	0-10	--
AOC10-15-5217	12/15/15	AOC10-15	0	1	0.5	0-0.5	--
AOC10-15-5218	12/15/15	AOC10-15	0	1	0.5	0-0.5	--
AOC10-15-5219	12/15/15	AOC10-15	2	3	3	0-03	--
AOC10-15-5220	12/15/15	AOC10-15	5	6	6	0-06	--
AOC10-15-5221	12/15/15	AOC10-15	9	10	10	0-10	--
AOC10-16-5222	12/15/15	AOC10-16	0	1	0.5	0-0.5	--
AOC10-16-5223	12/15/15	AOC10-16	2	3	3	0-03	--
AOC10-16-5224	12/15/15	AOC10-16	5	6	6	0-06	--
AOC10-16-5225	12/15/15	AOC10-16	9	10	10	0-10	--
AOC10-17-5226	12/03/15	AOC10-17	0	1	0.5	0-0.5	--
AOC10-18-5227	12/06/15	AOC10-18	0	1	0.5	0-0.5	--
AOC10-18-5228	12/06/15	AOC10-18	2	3	3	0-03	--
AOC10-19-5262	02/24/16	AOC10-19	0	1	0.5	0-0.5	--
AOC10-19-5263	02/24/16	AOC10-19	2	3	3	0-03	--
AOC10-19-5264	02/24/16	AOC10-19	2	3	3	0-03	--
AOC10-19-5265	02/24/16	AOC10-19	5	6	6	0-06	--
AOC10-20-5247	02/17/16	AOC10-20	0	0.5	0.5	0-0.5	--
AOC10-20-5248	02/25/16	AOC10-20	2	3	3	0-03	--
AOC10-21-5251	02/25/16	AOC10-21	0	0.5	0.5	0-0.5	--
AOC10-21-5252	02/25/16	AOC10-21	2	3	3	0-03	--
AOC10-22-5254	02/17/16	AOC10-22	0	0.5	0.5	0-0.5	--
AOC10-22-5255	02/17/16	AOC10-22	1	2	2	0-03	--
AOC10-22-5256	02/17/16	AOC10-22	2	3	3	0-03	--
AOC10-22-5257	02/17/16	AOC10-22	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-23-5258	02/25/16	AOC10-23	0	1	0.5	0-0.5	--
AOC10-23-5259	02/25/16	AOC10-23	2	3	3	0-03	--
AOC10-23-5260	02/25/16	AOC10-23	1	2	2	0-03	--
AOC10-24-5261	03/07/16	AOC10-24	0	1	0.5	0-0.5	--
AOC10-24-5262	03/07/16	AOC10-24	2	3	3	0-03	--
AOC10-2-5005	10/02/08	AOC10-2	0	0.5	0.5	0-0.5	--
AOC10-2-5006	10/02/08	AOC10-2	2	3	3	0-03	--
AOC10-2-5007	10/02/08	AOC10-2	5	6	6	0-06	--
AOC10-2-5008	10/02/08	AOC10-2	7	8	8	0-10	--
AOC10-25-5266	01/08/17	AOC10-25	0	0.5	0.5	0-0.5	--
AOC10-25-5267	01/08/17	AOC10-25	0	0.5	0.5	0-0.5	--
AOC10-25-5268	01/08/17	AOC10-25	2	3	3	0-03	--
AOC10-25-5269	01/08/17	AOC10-25	5	6	6	0-06	--
AOC10-25-5270	01/08/17	AOC10-25	9	10	10	0-10	--
AOC10-26-5271	02/21/17	AOC10-26	0	0.5	0.5	0-0.5	--
AOC10-26-5272	02/21/17	AOC10-26	2	3	3	0-03	--
AOC10-26-5273	02/21/17	AOC10-26	2	3	3	0-03	--
AOC10-26-5274	02/21/17	AOC10-26	4.5	5	5	0-06	--
AOC10-26-Debris	02/21/17	AOC10-26	2.5	2.7	2.7	0-03	--
AOC10-27-5275	01/04/17	AOC10-27	0	0.5	0.5	0-0.5	--
AOC10-27-5276	01/04/17	AOC10-27	2	3	3	0-03	--
AOC10-27-5277	01/04/17	AOC10-27	4	5	5	0-06	--
AOC10-3-5009	09/19/08	AOC10-3	0	0.5	0.5	0-0.5	--
AOC10-3-5010	09/19/08	AOC10-3	0	0.5	0.5	0-0.5	--
AOC10-3-5011	09/19/08	AOC10-3	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-3-5012	09/19/08	AOC10-3	5	6	6	0-06	--
AOC10-3-5013	09/19/08	AOC10-3	9	10	10	0-10	--
AOC10-4-5014	09/19/08	AOC10-4	0	0.5	0.5	0-0.5	--
AOC10-4-5015	09/19/08	AOC10-4	2	3	3	0-03	--
AOC10-4-5016	09/19/08	AOC10-4	5	6	6	0-06	--
AOC10-4-5017	09/19/08	AOC10-4	9	10	10	0-10	--
AOC10-5-5018	09/19/08	AOC10-5	0	0.5	0.5	0-0.5	--
AOC10-5-5019	09/19/08	AOC10-5	2	3	3	0-03	--
AOC10-5-5020	09/19/08	AOC10-5	5	6	6	0-06	--
AOC10-5-5021	09/19/08	AOC10-5	5	6	6	0-06	--
AOC10-6-5023	09/20/08	AOC10-6	0	0.5	0.5	0-0.5	--
AOC10-6-5024	09/20/08	AOC10-6	2	3	3	0-03	--
AOC10-7-5027	09/20/08	AOC10-7	0	0.5	0.5	0-0.5	--
AOC10-7-5028	09/20/08	AOC10-7	2	3	3	0-03	--
AOC10-7-5029	09/20/08	AOC10-7	5	6	6	0-06	--
AOC10-8-5031	08/22/08	AOC10-8	0	0.5	0.5	0-0.5	--
AOC10-8-5033	08/22/08	AOC10-8	0	0.5	0.5	0-0.5	--
AOC10-9-5229	12/07/15	AOC10-9	0	1	0.5	0-0.5	--
AOC10-9-5230	12/07/15	AOC10-9	2	3	3	0-03	--
AOC10a-1-5036	10/17/08	AOC10a-1	0	0.5	0.5	0-0.5	--
AOC10a-2-5233	01/13/16	AOC10a-2	0	1	0.5	0-0.5	--
AOC10a-2-5234	01/13/16	AOC10a-2	2	3	3	0-03	--
AOC10a-2-5235	01/13/16	AOC10a-2	5	6	6	0-06	--
AOC10a-2-5236	01/13/16	AOC10a-2	9	10	10	0-10	--
AOC10a-3-5237	01/13/16	AOC10a-3	0	1	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10a-3-5238	01/13/16	AOC10a-3	2	3	3	0-03	--
AOC10a-3-5239	01/13/16	AOC10a-3	5	6	6	0-06	--
AOC10a-3-5240	01/13/16	AOC10a-3	9	10	10	0-10	--
AOC10a-4-5278	01/08/17	AOC10a-4	0	0.5	0.5	0-0.5	--
AOC10a-4-5279	01/08/17	AOC10a-4	2	3	3	0-03	--
AOC10a-4-5280	01/08/17	AOC10a-4	5	6	6	0-06	--
AOC10a-4-5281	01/08/17	AOC10a-4	9	10	10	0-10	--
AOC10b-1-5040	09/30/08	AOC10b-1	0	0.5	0.5	0-0.5	--
AOC10b-1-5041	09/30/08	AOC10b-1	2	3	3	0-03	--
AOC10b-1-5042	09/30/08	AOC10b-1	2	3	3	0-03	--
AOC10b-1-5043	09/30/08	AOC10b-1	5	6	6	0-06	--
AOC10b-1-5044	09/30/08	AOC10b-1	9	10	10	0-10	--
AOC10b-2-5045	09/30/08	AOC10b-2	0	0.5	0.5	0-0.5	--
AOC10b-2-5046	09/30/08	AOC10b-2	2	3	3	0-03	--
AOC10b-2-5047	09/30/08	AOC10b-2	5	6	6	0-06	--
AOC10b-2-5048	09/30/08	AOC10b-2	9	10	10	0-10	--
AOC10b-3-5049	09/30/08	AOC10b-3	0	0.5	0.5	0-0.5	--
AOC10b-3-5050	10/01/08	AOC10b-3	2	3	3	0-03	--
AOC10b-3-5051	10/01/08	AOC10b-3	5	6	6	0-06	--
AOC10b-3-5052	10/01/08	AOC10b-3	5	6	6	0-06	--
AOC10b-3-5053	10/01/08	AOC10b-3	9	10	10	0-10	--
AOC10b-4-5054	09/30/08	AOC10b-4	0	0.5	0.5	0-0.5	--
AOC10b-4-5055	09/30/08	AOC10b-4	2	3	3	0-03	--
AOC10b-4-5056	09/30/08	AOC10b-4	5	6	6	0-06	--
AOC10b-4-5057	09/30/08	AOC10b-4	9	10	10	0-10	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10c-1-5058	10/01/08	AOC10c-1	0	0.5	0.5	0-0.5	--
AOC10c-1-5059	10/01/08	AOC10c-1	2	3	3	0-03	--
AOC10c-1-5060	10/01/08	AOC10c-1	5	6	6	0-06	--
AOC10c-1-5061	10/01/08	AOC10c-1	9	10	10	0-10	--
AOC10c-2-5062	10/01/08	AOC10c-2	0	0.5	0.5	0-0.5	--
AOC10c-2-5063	10/01/08	AOC10c-2	2	3	3	0-03	--
AOC10c-2-5064	10/01/08	AOC10c-2	2	3	3	0-03	--
AOC10c-2-5065	10/01/08	AOC10c-2	5	6	6	0-06	--
AOC10c-2-5066	10/01/08	AOC10c-2	9	10	10	0-10	--
AOC10c-3-5067	10/02/08	AOC10c-3	0	0.5	0.5	0-0.5	--
AOC10c-3-5068	10/02/08	AOC10c-3	2	3	3	0-03	--
AOC10c-3-5069	10/02/08	AOC10c-3	2	3	3	0-03	--
AOC10c-3-5070	10/02/08	AOC10c-3	5	6	6	0-06	--
AOC10c-3-5071	10/02/08	AOC10c-3	9	10	10	0-10	--
AOC10c-4-5072	10/01/08	AOC10c-4	0	0.5	0.5	0-0.5	--
AOC10c-4-5073	10/01/08	AOC10c-4	2	3	3	0-03	--
AOC10c-4-5074	10/01/08	AOC10c-4	5	6	6	0-06	--
AOC10c-4-5075	10/01/08	AOC10c-4	9	10	10	0-10	--
AOC10c-5-5076	10/01/08	AOC10c-5	0	0.5	0.5	0-0.5	--
AOC10c-5-5077	10/01/08	AOC10c-5	2	3	3	0-03	--
AOC10c-5-5078	10/01/08	AOC10c-5	5	6	6	0-06	--
AOC10c-5-5079	10/01/08	AOC10c-5	9	10	10	0-10	--
AOC10c-6-5241	01/21/16	AOC10c-6	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10c-6-5242	01/22/16	AOC10c-6	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5247	01/22/16	AOC10c-6	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5248	01/22/16	AOC10c-6	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5249	01/22/16	AOC10c-6	40	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5250	01/22/16	AOC10c-6	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC10d-1-5080	09/18/08	AOC10d-1	0	0.5	0.5	0-0.5	--
AOC10d-1-5081	09/18/08	AOC10d-1	2	3	3	0-03	--
AOC10d-1-5082	09/18/08	AOC10d-1	5	6	6	0-06	--
AOC10d-1-5083	09/18/08	AOC10d-1	5	6	6	0-06	--
AOC10d-1-5084	09/18/08	AOC10d-1	9	10	10	0-10	--
AOC10d-2-5085	09/17/08	AOC10d-2	0	0.5	0.5	0-0.5	--
AOC10d-2-5086	09/17/08	AOC10d-2	2	3	3	0-03	--
AOC10d-2-5087	09/17/08	AOC10d-2	5	6	6	0-06	--
AOC10d-2-5088	09/17/08	AOC10d-2	9	10	10	0-10	--
AOC10d-3-5089	09/17/08	AOC10d-3	0	0.5	0.5	0-0.5	--
AOC10d-3-5090	09/18/08	AOC10d-3	2	3	3	0-03	--
AOC10d-3-5091	09/18/08	AOC10d-3	5	6	6	0-06	--
AOC10d-3-5092	09/18/08	AOC10d-3	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10d-3-5093	09/18/08	AOC10d-3	9	10	10	0-10	--
AOC10d-4-5094	09/18/08	AOC10d-4	0	0.5	0.5	0-0.5	--
AOC10d-4-5095	09/18/08	AOC10d-4	2	3	3	0-03	--
AOC10d-4-5096	09/18/08	AOC10d-4	5	6	6	0-06	--
AOC10d-4-5097	09/18/08	AOC10d-4	9	10	10	0-10	--
AOC10d-9-5243	12/15/15	AOC10d-9	0	1	0.5	0-0.5	--
AOC10d-9-5244	12/15/15	AOC10d-9	2	3	3	0-03	--
AOC10d-9-5245	12/15/15	AOC10d-9	5	6	6	0-06	--
AOC10d-9-5246	12/15/15	AOC10d-9	9	10	10	0-10	--
AOC10-XRF-01-5098	08/25/08	AOC10-XRF-01	0	0.5	0.5	0-0.5	--
AOC10-XRF-02-5099	08/25/08	AOC10-XRF-02	0	0.5	0.5	0-0.5	--
AOC10-XRF-03-5100	08/25/08	AOC10-XRF-03	0	0.5	0.5	0-0.5	--
AOC10-XRF-10-5107	09/21/08	AOC10-XRF-10	3	4	4	0-06	--
AOC1-1-150	01/23/16	AOC1-1	0	0.5	0.5	0-0.5	--
AOC1-1-151	01/23/16	AOC1-1	2	3	3	0-03	--
AOC1-1-152	01/23/16	AOC1-1	5	6	6	0-06	--
AOC1-1-153	01/23/16	AOC1-1	9	10	10	0-10	--
AOC1-1-154	01/23/16	AOC1-1	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-1-155	01/23/16	AOC1-1	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-1-156	01/24/16	AOC1-1	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-1-157	01/24/16	AOC1-1	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC11-1-6100	01/05/16	AOC11-1	0	1	0.5	0-0.5	--
AOC11-1-6101	01/05/16	AOC11-1	0	1	0.5	0-0.5	--
AOC11-1-6102	01/05/16	AOC11-1	2	3	3	0-03	--
AOC11-1-6103	01/05/16	AOC11-1	5	6	6	0-06	--
AOC11-1-6104	01/05/16	AOC11-1	9	10	10	0-10	--
AOC11-2-6105	01/05/16	AOC11-2	0	1	0.5	0-0.5	--
AOC11-2-6106	01/05/16	AOC11-2	2	3	3	0-03	--
AOC11-2-6107	01/05/16	AOC11-2	5	6	6	0-06	--
AOC11-2-6108	01/05/16	AOC11-2	9	10	10	0-10	--
AOC11-2-6109	01/05/16	AOC11-2	9	10	10	0-10	--
AOC11-3-6110	01/05/16	AOC11-3	0	1	0.5	0-0.5	--
AOC11-3-6111	01/05/16	AOC11-3	2	3	3	0-03	--
AOC11-3-6112	01/05/16	AOC11-3	5	6	6	0-06	--
AOC11-3-6113	01/05/16	AOC11-3	9	10	10	0-10	--
AOC11-3-6114	01/05/16	AOC11-3	9	10	10	0-10	--
AOC11-4-6115	01/05/16	AOC11-4	0	1	0.5	0-0.5	--
AOC11-4-6116	01/05/16	AOC11-4	2	3	3	0-03	--
AOC11-4-OS1-D1	06/11/14	AOC11-4-OS1	0	0	0	0-0.5	--
AOC11-4-OS1-D2	06/11/14	AOC11-4-OS1	2	3	3	0-03	--
AOC11-4-OS3-D1	06/11/14	AOC11-4-OS3	0	0	0	0-0.5	--
AOC11-4-OS3-D2	06/11/14	AOC11-4-OS3	2	3	3	0-03	--

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11-4-OS3-D99	06/11/14	AOC11-4-OS3	2	3	3	0-03	--
AOC11-4-OS4-D1	06/11/14	AOC11-4-OS4	0	0	0	0-0.5	--
AOC11-4-OS4-D2	06/11/14	AOC11-4-OS4	2	3	3	0-03	--
AOC11-4-OS4-D3	06/11/14	AOC11-4-OS4	5	6	6	0-06	--
AOC11-4-OS5-D1	06/11/14	AOC11-4-OS5	0	0	0	0-0.5	--
AOC11-4-OS5-D2	06/11/14	AOC11-4-OS5	2	3	3	0-03	--
AOC11-4-OS5-D99	06/11/14	AOC11-4-OS5	5	6	6	0-06	--
AOC11-4-OS6-D1	06/11/14	AOC11-4-OS6	0	0	0	0-0.5	--
AOC11-4-OS6-D2	06/11/14	AOC11-4-OS6	2	3	3	0-03	--
AOC11-5-6119	02/03/16	AOC11-5	0	0.5	0.5	0-0.5	--
AOC11-5-6120	02/03/16	AOC11-5	2	3	3	0-03	--
AOC11-5-6121	02/03/16	AOC11-5	5	6	6	0-06	--
AOC11-5-6122	02/03/16	AOC11-5	9	10	10	0-10	--
AOC11-6-6123	01/06/16	AOC11-6	0	1	0.5	0-0.5	--
AOC11-6-6124	01/06/16	AOC11-6	2	3	3	0-03	--
AOC11-6-6125	01/06/16	AOC11-6	5	6	6	0-06	--
AOC11-6-6126	01/06/16	AOC11-6	9	10	10	0-10	--
AOC11-7-6127	01/06/16	AOC11-7	0	1	0.5	0-0.5	--
AOC11-7-6128	01/06/16	AOC11-7	2	3	3	0-03	--
AOC11-7-6129	01/06/16	AOC11-7	5	6	6	0-06	--
AOC11-8-6131	12/06/15	AOC11-8	0	1	0.5	0-0.5	--
AOC11-8-6132	12/06/15	AOC11-8	2	3	3	0-03	--
AOC11-9-6135	12/06/15	AOC11-9	0	1	0.5	0-0.5	--

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11-9-6136	12/06/15	AOC11-9	2	3	3	0-03	--
AOC11a-1-6001	09/21/08	AOC11a-1	0	0.5	0.5	0-0.5	--
AOC11a-1-6002	09/21/08	AOC11a-1	2	3	3	0-03	--
AOC11a-1-6003	09/21/08	AOC11a-1	5	6	6	0-06	--
AOC11a-1-6004	09/21/08	AOC11a-1	9	10	10	0-10	--
AOC11a-2-6005	09/21/08	AOC11a-2	0	0.5	0.5	0-0.5	--
AOC11a-2-6006	09/21/08	AOC11a-2	2	3	3	0-03	--
AOC11a-2-6007	09/21/08	AOC11a-2	5	6	6	0-06	--
AOC11a-2-6008	09/21/08	AOC11a-2	9	10	10	0-10	--
AOC11a-3-6009	09/20/08	AOC11a-3	0	0.5	0.5	0-0.5	--
AOC11a-3-6010	09/20/08	AOC11a-3	2	3	3	0-03	--
AOC11a-3-6011	09/20/08	AOC11a-3	2	3	3	0-03	--
AOC11a-3-6012	09/20/08	AOC11a-3	5	6	6	0-06	--
AOC11a-3-6013	09/20/08	AOC11a-3	9	10	10	0-10	--
AOC11a-4-6014	09/20/08	AOC11a-4	0	0.5	0.5	0-0.5	--
AOC11a-4-6015	09/20/08	AOC11a-4	2	3	3	0-03	--
AOC11a-4-6016	09/20/08	AOC11a-4	5	6	6	0-06	--
AOC11a-4-6017	09/20/08	AOC11a-4	9	10	10	0-10	--
AOC11a-5-6018	09/21/08	AOC11a-5	0	0.5	0.5	0-0.5	--
AOC11a-5-6019	09/21/08	AOC11a-5	2	3	3	0-03	--
AOC11a-5-6020	09/21/08	AOC11a-5	5	6	6	0-06	--
AOC11a-5-6021	09/21/08	AOC11a-5	5	6	6	0-06	--
AOC11a-5-6022	09/21/08	AOC11a-5	9	10	10	0-10	--
AOC11a-SS-1-6055	09/21/08	AOC11a-SS1	0	0.5	0.5	0-0.5	--
AOC11a-SS-1-6056	09/21/08	AOC11a-SS1	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11a-SS-1-6057	09/21/08	AOC11a-SS1	5	6	6	0-06	--
AOC11a-SS-1-6058	09/21/08	AOC11a-SS1	9	10	10	0-10	--
AOC11a-SS-2-6059	09/21/08	AOC11a-SS2	0	0.5	0.5	0-0.5	--
AOC11a-SS-2-6060	09/21/08	AOC11a-SS2	2	3	3	0-03	--
AOC11a-SS-3-6063	09/20/08	AOC11a-SS3	0	0.5	0.5	0-0.5	--
AOC11a-SS-3-6064	09/20/08	AOC11a-SS3	2	3	3	0-03	--
AOC11a-SS-3-6065	09/20/08	AOC11a-SS3	5	6	6	0-06	--
AOC11a-SS-3-6066	09/20/08	AOC11a-SS3	9	10	10	0-10	--
AOC11b-1-6023	09/17/08	AOC11b-1	0	0.5	0.5	0-0.5	--
AOC11b-1-6024	09/17/08	AOC11b-1	0	0.5	0.5	0-0.5	--
AOC11b-1-6025	09/17/08	AOC11b-1	2	3	3	0-03	--
AOC11b-1-6026	09/17/08	AOC11b-1	5	6	6	0-06	--
AOC11b-1-6027	09/17/08	AOC11b-1	9	10	10	0-10	--
AOC11b-2-6028	09/17/08	AOC11b-2	0	0.5	0.5	0-0.5	--
AOC11b-2-6029	09/17/08	AOC11b-2	2	3	3	0-03	--
AOC11b-2-6030	09/17/08	AOC11b-2	5	6	6	0-06	--
AOC11b-2-6031	09/17/08	AOC11b-2	9	10	10	0-10	--
AOC11c-1-6032	09/21/08	AOC11c-1	0	0.5	0.5	0-0.5	--
AOC11c-1-6033	09/22/08	AOC11c-1	2	3	3	0-03	--
AOC11c-1-6034	09/22/08	AOC11c-1	2	3	3	0-03	--
AOC11c-1-6035	09/22/08	AOC11c-1	5	6	6	0-06	--
AOC11c-1-6036	09/22/08	AOC11c-1	9	10	10	0-10	--
AOC11c-2-6037	09/21/08	AOC11c-2	0	0.5	0.5	0-0.5	--
AOC11c-2-6038	09/22/08	AOC11c-2	2	3	3	0-03	--
AOC11c-2-6039	09/22/08	AOC11c-2	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11c-2-6040	09/22/08	AOC11c-2	9	10	10	0-10	--
AOC11c-3-6139	02/03/16	AOC11C-3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-3-6140	02/03/16	AOC11C-3	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-3-6141	02/03/16	AOC11C-3	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-4-6146	01/28/16	AOC11c-4	0	1	0.5	0-0.5	--
AOC11c-4-6147	01/28/16	AOC11c-4	2	3	3	0-03	--
AOC11c-4-6148	01/28/16	AOC11c-4	5	6	6	0-06	--
AOC11c-4-6149	01/28/16	AOC11c-4	9	10	10	0-10	--
AOC11c-4-6150	01/28/16	AOC11c-4	9	10	10	0-10	--
AOC11c-4-6151	02/02/16	AOC11c-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-4-6152	02/02/16	AOC11c-4	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-SS-1-6067	09/21/08	AOC11c-SS1	0	0.5	0.5	0-0.5	--
AOC11c-SS-1-6068	09/22/08	AOC11c-SS1	2	3	3	0-03	--
AOC11c-SS-1-6069	09/22/08	AOC11c-SS1	5	6	6	0-06	--
AOC11c-SS-1-6070	09/22/08	AOC11c-SS1	9	10	10	0-10	--
AOC11c-SS-2-6071	09/22/08	AOC11c-SS2	0	0.5	0.5	0-0.5	--
AOC11c-SS-2-6072	09/22/08	AOC11c-SS2	2	3	3	0-03	--
AOC11c-SS-2-6073	09/22/08	AOC11c-SS2	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11c-SS-2-6074	09/22/08	AOC11c-SS2	9	10	10	0-10	--
AOC11d-1-6041	09/23/08	AOC11d-1	0	0.5	0.5	0-0.5	--
AOC11d-1-6042	09/23/08	AOC11d-1	0	0.5	0.5	0-0.5	--
AOC11d-1-6043	09/23/08	AOC11d-1	2.5	3	3	0-03	--
AOC11d-1-6044	09/23/08	AOC11d-1	5	6	6	0-06	--
AOC11d-1-6045	09/23/08	AOC11d-1	9	10	10	0-10	--
AOC11e-1-6046	09/23/08	AOC11e-1	0	0.5	0.5	0-0.5	--
AOC11e-1-6047	09/23/08	AOC11e-1	2.5	3	3	0-03	--
AOC11e-1-6048	09/23/08	AOC11e-1	5.5	6	6	0-06	--
AOC11e-1-6049	09/23/08	AOC11e-1	9.5	10	10	0-10	--
AOC11e-2-6050	09/24/08	AOC11e-2	0	0.5	0.5	0-0.5	--
AOC11e-2-6051	09/24/08	AOC11e-2	2	3	3	0-03	--
AOC11e-2-6052	09/24/08	AOC11e-2	2	3	3	0-03	--
AOC11e-2-6053	09/24/08	AOC11e-2	5	6	6	0-06	--
AOC11e-2-6054	09/24/08	AOC11e-2	9	10	10	0-10	--
AOC11e-3-6153	01/08/16	AOC11e-3	0	1	0.5	0-0.5	--
AOC11e-3-6154	01/08/16	AOC11e-3	0	1	0.5	0-0.5	--
AOC11e-3-6155	01/10/16	AOC11e-3	2	3	3	0-03	--
AOC11e-3-6156	01/10/16	AOC11e-3	5	6	6	0-06	--
AOC11e-3-6157	01/10/16	AOC11e-3	9	10	10	0-10	--
AOC11e-3-6158	01/10/16	AOC11e-3	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-4-6159	01/28/16	AOC11e-4	0	1	0.5	0-0.5	--
AOC11e-4-6160	01/28/16	AOC11e-4	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11e-4-6161	01/28/16	AOC11e-4	5	6	6	0-06	--
AOC11e-4-6164	01/28/16	AOC11e-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6165	01/19/16	AOC11e-5	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6166	01/19/16	AOC11e-5	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6167	01/19/16	AOC11e-5	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6168	01/19/16	AOC11e-5	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6169	01/20/16	AOC11e-5	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6170	01/21/16	AOC11e-5	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6171	01/21/16	AOC11e-5	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
AOC11E-6-6172	12/03/15	AOC11e-6	0	1	0.5	0-0.5	--
AOC11e-SS-1-6075	09/23/08	AOC11e-SS1	0	0.5	0.5	0-0.5	--
AOC11e-SS-1-6076	09/23/08	AOC11e-SS1	2.5	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11e-SS-1-6077	09/23/08	AOC11e-SS1	5.5	6	6	0-06	--
AOC11e-SS-1-6078	09/23/08	AOC11e-SS1	9.5	10	10	0-10	--
AOC11e-SS-2-6079	09/23/08	AOC11e-SS2	0	0.5	0.5	0-0.5	--
AOC11e-SS-2-6080	09/23/08	AOC11e-SS2	2.5	3	3	0-03	--
AOC11e-SS-2-6081	09/23/08	AOC11e-SS2	5.5	6	6	0-06	--
AOC11e-SS-2-6082	09/23/08	AOC11e-SS2	5.5	6	6	0-06	--
AOC11e-SS-2-6083	09/23/08	AOC11e-SS2	9.5	10	10	0-10	--
AOC1-2-158	01/23/16	AOC1-2	0	0.5	0.5	0-0.5	--
AOC1-2-159	01/23/16	AOC1-2	2	3	3	0-03	--
AOC1-2-160	01/23/16	AOC1-2	5	6	6	0-06	--
AOC1-2-161	01/23/16	AOC1-2	9	10	10	0-10	--
AOC1-2-162	01/23/16	AOC1-2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-2-163	01/23/16	AOC1-2	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-2-164	01/23/16	AOC1-2	20	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-2-165	01/23/16	AOC1-2	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC12a-T1a-7001	09/22/08	AOC12a-T1a	0	0.5	0.5	0-0.5	--
AOC12a-T1a-7002	09/22/08	AOC12a-T1a	2	3	3	0-03	--
AOC12a-T1b-7003	09/22/08	AOC12a-T1a	7	8	8	0-10	--
AOC12a-T1c-7004	09/22/08	AOC12a-T1c	7	8	8	0-10	--
AOC12a-T2a-7005	09/22/08	AOC12a-T2a	6	7	7	0-10	--
AOC12a-T2b-7006	09/22/08	AOC12a-T2b	7	8	8	0-10	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC12b-T1a-7009	09/20/08	AOC12b-T1a	2	3	3	0-03	--
AOC12b-T1b-7010	09/20/08	AOC12b-T1b	2	3	3	0-03	--
AOC12c-T1a-7014	09/20/08	AOC12c-T1a	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC12c-T1b-7015	09/20/08	AOC12c-T1a	0	0.5	0.5	0-0.5	--
AOC12c-T1b-7016	09/20/08	AOC12c-T1a	2	3	3	0-03	--
AOC12c-T1c-7017	09/20/08	AOC12c-T1b	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC12c-T1c-7023	09/22/08	AOC12c-T1b	3	4	4	0-06	--
AOC12c-T2a-7018	09/20/08	AOC12c-T2a	7	8	8	0-10	--
AOC12c-T2b-7019	09/20/08	AOC12c-T2b	7	8	8	0-10	--
AOC12c-T2c-7020	09/20/08	AOC12c-T1b	2	3	3	0-03	--
AOC12c-T2d-7021	09/20/08	AOC12c-T1c	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC12c-T2d-7022	09/20/08	AOC12c-T1c	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-166	01/25/16	AOC1-3	0	0.5	0.5	0-0.5	--
AOC1-3-167	01/25/16	AOC1-3	2	3	3	0-03	--
AOC1-3-168	01/25/16	AOC1-3	5	6	6	0-06	--
AOC1-3-169	01/25/16	AOC1-3	9	10	10	0-10	--
AOC1-3-170	01/25/16	AOC1-3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-171	01/25/16	AOC1-3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-3-172	01/25/16	AOC1-3	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-173	01/25/16	AOC1-3	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-174	01/25/16	AOC1-3	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-175	01/25/16	AOC1-3	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-176	01/25/16	AOC1-3	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-177	01/26/16	AOC1-3	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-3-178	01/26/16	AOC1-3	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-10-8050	10/01/08	AOC14-10	0	0.5	0.5	0-0.5	--
AOC14-10-8051	10/01/08	AOC14-10	2	3	3	0-03	--
AOC14-10-8052	10/01/08	AOC14-10	5	6	6	0-06	--
AOC14-10-8053	10/01/08	AOC14-10	5	6	6	0-06	--
AOC14-10-8054	10/01/08	AOC14-10	9	10	10	0-10	--
AOC14-10-8055	10/01/08	AOC14-10	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-11-8056	10/01/08	AOC14-11	5	6	6	0-06	--
AOC14-11-8057	10/01/08	AOC14-11	9	10	10	0-10	--
AOC14-11-8058	10/01/08	AOC14-11	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-12-8059	09/30/08	AOC14-12	5	6	6	0-06	--
AOC14-12-8060	09/30/08	AOC14-12	9	10	10	0-10	--
AOC14-12-8061	09/30/08	AOC14-12	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-13-8062	09/30/08	AOC14-13	5	6	6	0-06	--
AOC14-13-8063	09/30/08	AOC14-13	9	10	10	0-10	--
AOC14-13-8064	09/30/08	AOC14-13	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-13-8065	09/30/08	AOC14-13	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-14E-8127	02/18/16	AOC14-14E	0	1	0.5	0-0.5	--
AOC14-14E-8128	02/18/16	AOC14-14E	2	3	3	0-03	--
AOC14-14E-8129	02/18/16	AOC14-14E	2	3	3	0-03	--
AOC14-14E-8130	02/18/16	AOC14-14E	5	5.5	5.5	0-06	--
AOC14-14E-8131	02/18/16	AOC14-14E	6	7	7	0-10	--
AOC14-14E-8132	02/18/16	AOC14-14E	9	10	10	0-10	--
AOC14-14W-8100	02/16/16	AOC14-14W	0	1	0.5	0-0.5	--
AOC14-14W-8101	02/16/16	AOC14-14W	2	3	3	0-03	--
AOC14-14W-8102	02/16/16	AOC14-14W	5	5.5	5.5	0-06	--
AOC14-14W-8103	02/16/16	AOC14-14W	6	7	7	0-10	--
AOC14-14W-8104	02/16/16	AOC14-14W	9	10	10	0-10	--

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Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-15-8105	02/18/16	AOC14-15	0	1	0.5	0-0.5	--
AOC14-15-8106	02/18/16	AOC14-15	2	3	3	0-03	--
AOC14-15-8108	02/18/16	AOC14-15	5	6	6	0-06	--
AOC14-15-8109	02/18/16	AOC14-15	7	8	8	0-10	--
AOC14-16E-8133	02/23/16	AOC14-16E	0	1	0.5	0-0.5	--
AOC14-16E-8134	02/23/16	AOC14-16E	2	3	3	0-03	--
AOC14-16E-8135	02/23/16	AOC14-16E	5	6	6	0-06	--
AOC14-16E-8136	02/23/16	AOC14-16E	9	10	10	0-10	--
AOC14-16W-8111	02/22/16	AOC14-16W	0	1	0.5	0-0.5	--
AOC14-16W-8112	02/22/16	AOC14-16W	2	3	3	0-03	--
AOC14-16W-8113	02/22/16	AOC14-16W	5	6	6	0-06	--
AOC14-16W-8114	02/22/16	AOC14-16W	7	8	8	0-10	--
AOC14-16W-8115	02/22/16	AOC14-16W	9	10	10	0-10	--
AOC14-16W-8116	02/22/16	AOC14-16W	9	10	10	0-10	--
AOC1-4-179	01/23/16	AOC1-4	0	0.5	0.5	0-0.5	--
AOC14-17E-8137	02/24/16	AOC14-17E	9	10	10	0-10	--
AOC14-17W-8117	02/24/16	AOC14-17W	0	1	0.5	0-0.5	--
AOC14-17W-8118	02/24/16	AOC14-17W	2	3	3	0-03	--
AOC14-17W-8119	02/24/16	AOC14-17W	5	6	6	0-06	--
AOC14-17W-8120	02/24/16	AOC14-17W	9	10	10	0-10	--
AOC14-17W-8121	02/24/16	AOC14-17W	1	2	2	0-03	--
AOC1-4-180	01/23/16	AOC1-4	2	3	3	0-03	--
AOC14-1-8001	09/30/08	AOC14-1	0	0.5	0.5	0-0.5	--
AOC14-1-8002	09/30/08	AOC14-1	2	3	3	0-03	--
AOC14-1-8003	09/30/08	AOC14-1	5	6	6	0-06	--
AOC14-1-8004	09/30/08	AOC14-1	9	10	10	0-10	--

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Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-1-8005	09/30/08	AOC14-1	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-4-181	01/23/16	AOC1-4	5	6	6	0-06	--
AOC1-4-182	01/23/16	AOC1-4	9	10	10	0-10	--
AOC1-4-183	01/23/16	AOC1-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-4-184	01/23/16	AOC1-4	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-4-185	01/23/16	AOC1-4	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-4-186	01/23/16	AOC1-4	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-18-8122	02/17/16	AOC14-18	0	1	0.5	0-0.5	--
AOC14-18-8123	02/17/16	AOC14-18	2	3	3	0-03	--
AOC14-18-8124	02/17/16	AOC14-18	5	6	6	0-06	--
AOC14-19-8125	02/17/16	AOC14-19	2	3	3	0-03	--
AOC14-19-8126	02/17/16	AOC14-19	3	4	4	0-06	--
AOC14-20-8138	04/26/17	AOC14-20	0	0.5	0.5	0-0.5	--
AOC14-20-8139	04/26/17	AOC14-20	2	3	3	0-03	--
AOC14-20-8140	04/26/17	AOC14-20	5	6	6	0-06	--
AOC14-20-8141	04/26/17	AOC14-20	8	9	9	0-10	--
AOC14-21-8142	04/26/17	AOC14-21	0	0.5	0.5	0-0.5	--

Table OCS-1.1
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-21-8143	04/26/17	AOC14-21	2	3	3	0-03	--
AOC14-21-8144	04/26/17	AOC14-21	2	3	3	0-03	--
AOC14-21-8145	04/26/17	AOC14-21	5	6	6	0-06	--
AOC14-21-8146	04/26/17	AOC14-21	9	10	10	0-10	--
AOC14-2-8006	09/30/08	AOC14-2	0	0.5	0.5	0-0.5	--
AOC14-2-8007	09/30/08	AOC14-2	2	3	3	0-03	--
AOC14-2-8008	09/30/08	AOC14-2	5	6	6	0-06	--
AOC14-2-8009	09/30/08	AOC14-2	9	10	10	0-10	--
AOC14-2-8010	09/30/08	AOC14-2	9	10	10	0-10	--
AOC14-2-8011	09/30/08	AOC14-2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-2-8088	10/01/08	AOC14-2	3	3.25	3.25	0-06	--
AOC14-3-8012	10/01/08	AOC14-3	0	0.5	0.5	0-0.5	--
AOC14-3-8013	10/01/08	AOC14-3	2	3	3	0-03	--
AOC14-3-8014	10/01/08	AOC14-3	5	6	6	0-06	--
AOC14-3-8015	10/01/08	AOC14-3	9	10	10	0-10	--
AOC14-3-8016	10/01/08	AOC14-3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-4-8017	10/01/08	AOC14-4	0	0.5	0.5	0-0.5	--
AOC14-4-8018	10/01/08	AOC14-4	2	3	3	0-03	--
AOC14-4-8019	10/01/08	AOC14-4	5	6	6	0-06	--
AOC14-4-8020	10/01/08	AOC14-4	9	10	10	0-10	--
AOC14-4-8021	10/01/08	AOC14-4	9	10	10	0-10	--

Table OCS-1.1
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-4-8022	10/01/08	AOC14-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-5-8023	10/02/08	AOC14-5	0	0.5	0.5	0-0.5	--
AOC14-5-8024	10/02/08	AOC14-5	2	3	3	0-03	--
AOC14-5-8025	10/02/08	AOC14-5	5	6	6	0-06	--
AOC14-5-8026	10/02/08	AOC14-5	9	10	10	0-10	--
AOC14-5-8027	10/02/08	AOC14-5	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-6-8028	10/02/08	AOC14-6	0	0.5	0.5	0-0.5	--
AOC14-6-8029	10/02/08	AOC14-6	2	3	3	0-03	--
AOC14-6-8030	10/02/08	AOC14-6	5	6	6	0-06	--
AOC14-6-8031	10/02/08	AOC14-6	9	10	10	0-10	--
AOC14-6-8032	10/02/08	AOC14-6	9	10	10	0-10	--
AOC14-6-8033	10/02/08	AOC14-6	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-7-8034	10/02/08	AOC14-7	0	0.5	0.5	0-0.5	--
AOC14-7-8035	10/02/08	AOC14-7	2	3	3	0-03	--
AOC14-7-8036	10/02/08	AOC14-7	5	6	6	0-06	--
AOC14-7-8037	10/02/08	AOC14-7	9	10	10	0-10	--
AOC14-7-8038	10/02/08	AOC14-7	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-8-8039	10/02/08	AOC14-8	0	0.5	0.5	0-0.5	--
AOC14-8-8040	10/02/08	AOC14-8	2	3	3	0-03	--

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-8-8041	10/02/08	AOC14-8	5	6	6	0-06	--
AOC14-8-8042	10/02/08	AOC14-8	9	10	10	0-10	--
AOC14-8-8043	10/02/08	AOC14-8	9	10	10	0-10	--
AOC14-8-8044	10/02/08	AOC14-8	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-9-8045	10/01/08	AOC14-9	0	0.5	0.5	0-0.5	--
AOC14-9-8046	10/01/08	AOC14-9	2	3	3	0-03	--
AOC14-9-8047	10/01/08	AOC14-9	5	6	6	0-06	--
AOC14-9-8048	10/01/08	AOC14-9	9	10	10	0-10	--
AOC14-9-8049	10/01/08	AOC14-9	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-1-8066	10/01/08	AOC14-SS1	0	0.5	0.5	0-0.5	--
AOC14-SS-1-8067	10/01/08	AOC14-SS1	2	3	3	0-03	--
AOC14-SS-1-8068	10/01/08	AOC14-SS1	5	6	6	0-06	--
AOC14-SS-1-8069	10/01/08	AOC14-SS1	9	10	10	0-10	--
AOC14-SS-1-8070	10/01/08	AOC14-SS1	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-2-8071	10/01/08	AOC14-SS2	0	0.5	0.5	0-0.5	--
AOC14-SS-2-8072	10/01/08	AOC14-SS2	2	3	3	0-03	--
AOC14-SS-2-8073	10/01/08	AOC14-SS2	5	6	6	0-06	--
AOC14-SS-2-8074	10/01/08	AOC14-SS2	9	10	10	0-10	--
AOC14-SS-2-8075	10/01/08	AOC14-SS2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-SS-2-8076	10/01/08	AOC14-SS2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-3-8077	10/02/08	AOC14-SS3	0	0.5	0.5	0-0.5	--
AOC14-SS-3-8078	10/02/08	AOC14-SS3	2	3	3	0-03	--
AOC14-SS-3-8079	10/02/08	AOC14-SS3	5	6	6	0-06	--
AOC14-SS-3-8080	10/02/08	AOC14-SS3	9	10	10	0-10	--
AOC14-SS-3-8081	10/02/08	AOC14-SS3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-4-8082	10/02/08	AOC14-SS4	0	0.5	0.5	0-0.5	--
AOC14-SS-4-8083	10/02/08	AOC14-SS4	2	3	3	0-03	--
AOC14-SS-4-8084	10/02/08	AOC14-SS4	5	6	6	0-06	--
AOC14-SS-4-8085	10/02/08	AOC14-SS4	9	10	10	0-10	--
AOC14-SS-4-8086	10/02/08	AOC14-SS4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-4-8087	10/02/08	AOC14-SS4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-5-365	01/09/17	AOC1-5	0	0.5	0.5	0-0.5	--
AOC1-5-366	01/09/17	AOC1-5	2	3	3	0-03	--
AOC1-5-367	01/09/17	AOC1-5	5	6	6	0-06	--
AOC1-5-368	01/09/17	AOC1-5	9	10	10	0-10	--
AOC1-5-369	01/09/17	AOC1-5	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-6-370	01/09/17	AOC1-6	0	0.5	0.5	0-0.5	--
AOC1-6-371	01/09/17	AOC1-6	2	3	3	0-03	--
AOC1-6-372	01/09/17	AOC1-6	5	6	6	0-06	--
AOC1-6-373	01/09/17	AOC1-6	9	10	10	0-10	--
AOC1-6-374	01/09/17	AOC1-6	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC16-5-19008	02/20/17	AOC16-5	0	0.5	0.5	0-0.5	--
AOC16-5-19009	02/20/17	AOC16-5	0	0.5	0.5	0-0.5	--
AOC16-5-19010	02/20/17	AOC16-5	2	3	3	0-03	--
AOC1-7-375	01/09/17	AOC1-7	0	0.5	0.5	0-0.5	--
AOC1-7-376	01/09/17	AOC1-7	2	3	3	0-03	--
AOC1-7-377	01/09/17	AOC1-7	2	3	3	0-03	--
AOC1-7-378	01/09/17	AOC1-7	5	6	6	0-06	--
AOC1-7-379	01/09/17	AOC1-7	9	10	10	0-10	--
AOC1-7-380	01/09/17	AOC1-7	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-8-381	01/05/17	AOC1-8	0	0.5	0.5	0-0.5	--
AOC1-8-382	01/05/17	AOC1-8	2	3	3	0-03	--
AOC1-BCW10-187	02/04/16	AOC1-BCW10	0	0.5	0.5	0-0.5	--
AOC1-BCW10-188	02/04/16	AOC1-BCW10	2	3	3	0-03	--
AOC1-BCW10-189	02/04/16	AOC1-BCW10	5	6	6	0-06	--
AOC1-BCW10-190	02/04/16	AOC1-BCW10	9	10	10	0-10	--
AOC1-BCW10-191	02/04/16	AOC1-BCW10	9	10	10	0-10	--

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AOC1-BCW1-100	09/20/08	AOC1-BCW1	0	0.5	0.5	0-0.5	--
AOC1-BCW1-101	09/20/08	AOC1-BCW1	2	3	3	0-03	--
AOC1-BCW11-192	02/04/16	AOC1-BCW11	0	0.5	0.5	0-0.5	--
AOC1-BCW11-193	02/04/16	AOC1-BCW11	2	3	3	0-03	--
AOC1-BCW11-194	02/04/16	AOC1-BCW11	5	6	6	0-06	--
AOC1-BCW11-195	02/04/16	AOC1-BCW11	9	10	10	0-10	--
AOC1-BCW12-196	02/04/16	AOC1-BCW12	0	0.5	0.5	0-0.5	--
AOC1-BCW12-197	02/04/16	AOC1-BCW12	2	3	3	0-03	--
AOC1-BCW12-198	02/04/16	AOC1-BCW12	5	6	6	0-06	--
AOC1-BCW12-199	02/04/16	AOC1-BCW12	9	10	10	0-10	--
AOC1-BCW13-200	02/04/16	AOC1-BCW13	0	0.5	0.5	0-0.5	--
AOC1-BCW13-201	02/04/16	AOC1-BCW13	2	3	3	0-03	--
AOC1-BCW13-202	02/04/16	AOC1-BCW13	5	6	6	0-06	--
AOC1-BCW13-203	02/04/16	AOC1-BCW13	9	10	10	0-10	--
AOC1-BCW14-204	02/04/16	AOC1-BCW14	0	0.5	0.5	0-0.5	--
AOC1-BCW14-205	02/04/16	AOC1-BCW14	2	3	3	0-03	--
AOC1-BCW14-206	02/04/16	AOC1-BCW14	5	6	6	0-06	--
AOC1-BCW14-207	02/04/16	AOC1-BCW14	9	10	10	0-10	--
AOC1-BCW15-208	02/04/16	AOC1-BCW15	0	0.5	0.5	0-0.5	--
AOC1-BCW15-209	02/04/16	AOC1-BCW15	2	3	3	0-03	--
AOC1-BCW15-210	02/04/16	AOC1-BCW15	5	6	6	0-06	--
AOC1-BCW15-211	02/04/16	AOC1-BCW15	9	10	10	0-10	--
AOC1-BCW16-212	02/04/16	AOC1-BCW16	0	0.5	0.5	0-0.5	--
AOC1-BCW16-213	02/04/16	AOC1-BCW16	2	3	3	0-03	--
AOC1-BCW16-214	02/04/16	AOC1-BCW16	5	6	6	0-06	--

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-BCW16-215	02/04/16	AOC1-BCW16	9	10	10	0-10	--
AOC1-BCW17-216	02/04/16	AOC1-BCW17	0	0.5	0.5	0-0.5	--
AOC1-BCW17-217	02/04/16	AOC1-BCW17	2	3	3	0-03	--
AOC1-BCW17-218	02/04/16	AOC1-BCW17	5	6	6	0-06	--
AOC1-BCW17-219	02/04/16	AOC1-BCW17	9	10	10	0-10	--
AOC1-BCW18-220	02/05/16	AOC1-BCW18	0	0.5	0.5	0-0.5	--
AOC1-BCW18-221	02/05/16	AOC1-BCW18	2	3	3	0-03	--
AOC1-BCW18-222	02/05/16	AOC1-BCW18	5	6	6	0-06	--
AOC1-BCW18-223	02/05/16	AOC1-BCW18	9	10	10	0-10	--
AOC1-BCW19-224	02/05/16	AOC1-BCW19	0	0.5	0.5	0-0.5	--
AOC1-BCW19-225	02/05/16	AOC1-BCW19	2	3	3	0-03	--
AOC1-BCW19-226	02/05/16	AOC1-BCW19	5	6	6	0-06	--
AOC1-BCW19-227	02/05/16	AOC1-BCW19	9	10	10	0-10	--
AOC1-BCW20-228	02/05/16	AOC1-BCW20	0	0.5	0.5	0-0.5	--
AOC1-BCW20-229	02/05/16	AOC1-BCW20	2	3	3	0-03	--
AOC1-BCW20-230	02/05/16	AOC1-BCW20	5	6	6	0-06	--
AOC1-BCW20-231	02/05/16	AOC1-BCW20	9	10	10	0-10	--
AOC1-BCW2-104	10/04/08	AOC1-BCW2	0	0.5	0.5	0-0.5	--
AOC1-BCW2-105	10/04/08	AOC1-BCW2	2	3	3	0-03	--
AOC1-BCW2-106	10/04/08	AOC1-BCW2	5	6	6	0-06	--
AOC1-BCW2-107	10/04/08	AOC1-BCW2	9	10	10	0-10	--
AOC1-BCW21-232	02/05/16	AOC1-BCW21	0	0.5	0.5	0-0.5	--
AOC1-BCW21-233	02/05/16	AOC1-BCW21	2	3	3	0-03	--
AOC1-BCW21-234	02/05/16	AOC1-BCW21	5	6	6	0-06	--
AOC1-BCW21-235	02/05/16	AOC1-BCW21	9	10	10	0-10	--
AOC1-BCW22-236	02/05/16	AOC1-BCW22	0	0.5	0.5	0-0.5	--

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AOC1-BCW22-237	02/05/16	AOC1-BCW22	2	3	3	0-03	--
AOC1-BCW22-238	02/05/16	AOC1-BCW22	5	6	6	0-06	--
AOC1-BCW22-239	02/05/16	AOC1-BCW22	9	10	10	0-10	--
AOC1-BCW23-240	02/05/16	AOC1-BCW23	0	0.5	0.5	0-0.5	--
AOC1-BCW23-241	02/05/16	AOC1-BCW23	2	3	3	0-03	--
AOC1-BCW23-242	02/05/16	AOC1-BCW23	5	6	6	0-06	--
AOC1-BCW23-243	02/05/16	AOC1-BCW23	9	10	10	0-10	--
AOC1-BCW24-244	02/05/16	AOC1-BCW24	0	0.5	0.5	0-0.5	--
AOC1-BCW24-245	02/05/16	AOC1-BCW24	2	3	3	0-03	--
AOC1-BCW24-246	02/05/16	AOC1-BCW24	5	6	6	0-06	--
AOC1-BCW24-247	02/05/16	AOC1-BCW24	9	10	10	0-10	--
AOC1-BCW25-248	02/05/16	AOC1-BCW25	0	0.5	0.5	0-0.5	--
AOC1-BCW25-249	02/05/16	AOC1-BCW25	2	3	3	0-03	--
AOC1-BCW25-250	02/05/16	AOC1-BCW25	5	6	6	0-06	--
AOC1-BCW25-251	02/05/16	AOC1-BCW25	9	10	10	0-10	--
AOC1-BCW26-252	02/04/16	AOC1-BCW26	0	0.5	0.5	0-0.5	--
AOC1-BCW26-253	02/04/16	AOC1-BCW26	2	3	3	0-03	--
AOC1-BCW26-254	02/04/16	AOC1-BCW26	5	6	6	0-06	--
AOC1-BCW26-255	02/04/16	AOC1-BCW26	9	10	10	0-10	--
AOC1-BCW27-256	02/05/16	AOC1-BCW27	0	0.5	0.5	0-0.5	--
AOC1-BCW27-257	02/05/16	AOC1-BCW27	2	3	3	0-03	--
AOC1-BCW27-258	02/05/16	AOC1-BCW27	5	6	6	0-06	--
AOC1-BCW27-259	02/05/16	AOC1-BCW27	9	10	10	0-10	--
AOC1-BCW28-260	02/05/16	AOC1-BCW28	0	0.5	0.5	0-0.5	--
AOC1-BCW28-261	02/05/16	AOC1-BCW28	2	3	3	0-03	--
AOC1-BCW28-262	02/05/16	AOC1-BCW28	5	6	6	0-06	--

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-BCW28-263	02/05/16	AOC1-BCW28	9	10	10	0-10	--
AOC1-BCW29-264	02/04/16	AOC1-BCW29	0	0.5	0.5	0-0.5	--
AOC1-BCW29-265	02/04/16	AOC1-BCW29	2	3	3	0-03	--
AOC1-BCW29-266	02/04/16	AOC1-BCW29	5	6	6	0-06	--
AOC1-BCW29-267	02/04/16	AOC1-BCW29	9	10	10	0-10	--
AOC1-BCW30-268	02/04/16	AOC1-BCW30	0	0.5	0.5	0-0.5	--
AOC1-BCW30-269	02/04/16	AOC1-BCW30	2	3	3	0-03	--
AOC1-BCW30-270	02/04/16	AOC1-BCW30	5	6	6	0-06	--
AOC1-BCW30-271	02/04/16	AOC1-BCW30	9	10	10	0-10	--
AOC1-BCW3-108	10/04/08	AOC1-BCW3	0	0.5	0.5	0-0.5	--
AOC1-BCW3-109	10/04/08	AOC1-BCW3	2	3	3	0-03	--
AOC1-BCW3-110	10/04/08	AOC1-BCW3	5	6	6	0-06	--
AOC1-BCW3-111	10/04/08	AOC1-BCW3	9	10	10	0-10	--
AOC1-BCW3-112	10/04/08	AOC1-BCW3	9	10	10	0-10	--
AOC1-BCW4-113	10/04/08	AOC1-BCW4	0	0.5	0.5	0-0.5	--
AOC1-BCW4-114	10/04/08	AOC1-BCW4	2	3	3	0-03	--
AOC1-BCW4-115	10/04/08	AOC1-BCW4	5	6	6	0-06	--
AOC1-BCW4-116	10/04/08	AOC1-BCW4	9	10	10	0-10	--
AOC1-BCW5-117	10/04/08	AOC1-BCW5	0	0.5	0.5	0-0.5	--
AOC1-BCW5-118	10/04/08	AOC1-BCW5	2	3	3	0-03	--
AOC1-BCW5-119	10/04/08	AOC1-BCW5	5	6	6	0-06	--
AOC1-BCW5-120	10/04/08	AOC1-BCW5	9	10	10	0-10	--
AOC1-BCW5-121	10/04/08	AOC1-BCW5	9	10	10	0-10	--
AOC1-BCW6-122	08/22/08	AOC1-BCW6	0	0.5	0.5	0-0.5	--
AOC1-BCW6-123	08/22/08	AOC1-BCW6	2	3	3	0-03	--
AOC1-BCW7-272	02/05/16	AOC1-BCW7	0	0.5	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-BCW7-273	02/05/16	AOC1-BCW7	2	3	3	0-03	--
AOC1-BCW7-274	02/05/16	AOC1-BCW7	2	3	3	0-03	--
AOC1-BCW7-275	02/05/16	AOC1-BCW7	5	6	6	0-06	--
AOC1-BCW7-276	02/05/16	AOC1-BCW7	9	10	10	0-10	--
AOC1-BCW7-277	02/05/16	AOC1-BCW7	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-BCW7-278	02/05/16	AOC1-BCW7	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-BCW7-279	02/05/16	AOC1-BCW7	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-BCW8-280	02/04/16	AOC1-BCW8	0	0.5	0.5	0-0.5	--
AOC1-BCW8-281	02/04/16	AOC1-BCW8	2	3	3	0-03	--
AOC1-BCW8-282	02/04/16	AOC1-BCW8	5	6	6	0-06	--
AOC1-BCW8-283	02/04/16	AOC1-BCW8	9	10	10	0-10	--
AOC1-BCW8-284	02/04/16	AOC1-BCW8	9	10	10	0-10	--
AOC1-BCW9-285	02/04/16	AOC1-BCW9	0	0.5	0.5	0-0.5	--
AOC1-BCW9-286	02/04/16	AOC1-BCW9	2	3	3	0-03	--
AOC1-BCW9-287	02/04/16	AOC1-BCW9	5	6	6	0-06	--
AOC1-BCW9-288	02/04/16	AOC1-BCW9	9	10	10	0-10	--
AOC1-T1a-001	10/16/08	AOC1-T1a	0	0.5	0.5	0-0.5	--
AOC1-T1a-002	10/16/08	AOC1-T1a	2	3	3	0-03	--
AOC1-T1a-003	10/16/08	AOC1-T1a	5	6	6	0-06	--
AOC1-T1a-004	10/16/08	AOC1-T1a	9	10	10	0-10	--
AOC1-T1b-005	10/16/08	AOC1-T1b	0	0.5	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T1b-006	10/16/08	AOC1-T1b	0	0.5	0.5	0-0.5	--
AOC1-T1b-007	10/16/08	AOC1-T1b	2	3	3	0-03	--
AOC1-T1b-008	10/16/08	AOC1-T1b	5	6	6	0-06	--
AOC1-T1b-009	10/16/08	AOC1-T1b	9	10	10	0-10	--
AOC1-T1c-010	10/16/08	AOC1-T1c	0	0.5	0.5	0-0.5	--
AOC1-T1c-011	10/16/08	AOC1-T1c	2	3	3	0-03	--
AOC1-T1c-012	10/16/08	AOC1-T1c	2	3	3	0-03	--
AOC1-T1c-013	10/16/08	AOC1-T1c	5	6	6	0-06	--
AOC1-T1c-014	10/16/08	AOC1-T1c	9	10	10	0-10	--
AOC1-T1e-289	01/11/16	AOC1-T1e	0	1	0.5	0-0.5	--
AOC1-T1e-290	01/11/16	AOC1-T1e	2	3	3	0-03	--
AOC1-T1e-291	01/11/16	AOC1-T1e	5	6	6	0-06	--
AOC1-T1e-292	01/11/16	AOC1-T1e	9	10	10	0-10	--
AOC1-T1e-293	01/11/16	AOC1-T1e	9	10	10	0-10	--
AOC1-T1e-294	01/11/16	AOC1-T1e	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T1f-295	01/12/16	AOC1-T1f	0	1	0.5	0-0.5	--
AOC1-T1f-296	01/12/16	AOC1-T1f	2	3	3	0-03	--
AOC1-T1f-297	01/12/16	AOC1-T1f	5	6	6	0-06	--
AOC1-T1f-298	01/12/16	AOC1-T1f	9	10	10	0-10	--
AOC1-T1f-299	01/12/16	AOC1-T1f	9	10	10	0-10	--
AOC1-T1f-300	01/12/16	AOC1-T1f	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T1g-351	02/17/17	AOC1-T1g	0	0.5	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T1g-352	02/17/17	AOC1-T1g	0	0.5	0.5	0-0.5	--
AOC1-T1g-353	02/17/17	AOC1-T1g	2	3	3	0-03	--
AOC1-T1g-354	02/17/17	AOC1-T1g	5	6	6	0-06	--
AOC1-T1g-355	02/17/17	AOC1-T1g	9	10	10	0-10	--
AOC1-T2a-015	10/05/08	AOC1-T2a	0	0.5	0.5	0-0.5	--
AOC1-T2a-016	10/16/08	AOC1-T2a	2	3	3	0-03	--
AOC1-T2a-017	10/16/08	AOC1-T2a	5	6	6	0-06	--
AOC1-T2a-018	10/16/08	AOC1-T2a	9	10	10	0-10	--
AOC1-T2b-019	10/16/08	AOC1-T2b	0	0.5	0.5	0-0.5	--
AOC1-T2b-020	10/16/08	AOC1-T2b	2	3	3	0-03	--
AOC1-T2b-021	10/16/08	AOC1-T2b	5	6	6	0-06	--
AOC1-T2b-022	10/16/08	AOC1-T2b	9	10	10	0-10	--
AOC1-T2b-023	10/16/08	AOC1-T2b	9	10	10	0-10	--
AOC1-T2c-024	10/08/08	AOC1-T2c	0	0.5	0.5	0-0.5	--
AOC1-T2c-025	10/08/08	AOC1-T2c	2	3	3	0-03	--
AOC1-T2c-026	10/08/08	AOC1-T2c	5	6	6	0-06	--
AOC1-T2c-027	10/08/08	AOC1-T2c	9	10	10	0-10	--
AOC1-T2d-028	10/07/08	AOC1-T2d	0	0.5	0.5	0-0.5	--
AOC1-T2d-029	10/07/08	AOC1-T2d	2	3	3	0-03	--
AOC1-T2d-030	10/07/08	AOC1-T2d	5	6	6	0-06	--
AOC1-T2d-031	10/07/08	AOC1-T2d	9	10	10	0-10	--
AOC1-T2d-032	10/07/08	AOC1-T2d	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2d-033	10/07/08	AOC1-T2d	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T2d-034	10/07/08	AOC1-T2d	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2d-035	10/07/08	AOC1-T2d	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2d-036	10/07/08	AOC1-T2d	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2d-037	10/08/08	AOC1-T2d	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2d-038	10/08/08	AOC1-T2d	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2e-042	10/16/08	AOC1-T2e	0	0.5	0.5	0-0.5	--
AOC1-T2e-043	10/16/08	AOC1-T2e	2	3	3	0-03	--
AOC1-T2e-044	10/16/08	AOC1-T2e	2	3	3	0-03	--
AOC1-T2e-045	10/16/08	AOC1-T2e	5	6	6	0-06	--
AOC1-T2e-046	10/16/08	AOC1-T2e	9	10	10	0-10	--
AOC1-T2f-301	12/17/15	AOC1-T2f	0	1	0.5	0-0.5	--
AOC1-T2f-302	12/17/15	AOC1-T2f	2	3	3	0-03	--
AOC1-T2g-320	03/03/16	AOC1-T2g	9	10	10	0-10	--
AOC1-T2g-321	03/03/16	AOC1-T2g	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T2g-322	03/03/16	AOC1-T2g	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2g-323	03/03/16	AOC1-T2g	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2g-324	03/03/16	AOC1-T2g	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2g-325	03/03/16	AOC1-T2g	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2g-326	03/03/16	AOC1-T2g	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2g-327	03/03/16	AOC1-T2g	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2g-328	03/03/16	AOC1-T2g	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2h-329	03/04/16	AOC1-T2h	0	1	0.5	0-0.5	--
AOC1-T2h-330	03/04/16	AOC1-T2h	2	3	3	0-03	--
AOC1-T2h-331	03/04/16	AOC1-T2h	5	6	6	0-06	--
AOC1-T2h-332	03/04/16	AOC1-T2h	9	10	10	0-10	--
AOC1-T2h-333	03/04/16	AOC1-T2h	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T2h-334	03/04/16	AOC1-T2h	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2h-335	03/04/16	AOC1-T2h	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2h-336	03/04/16	AOC1-T2h	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2i-337	03/05/16	AOC1-T2i	0	1	0.5	0-0.5	--
AOC1-T2i-338	03/05/16	AOC1-T2i	2	3	3	0-03	--
AOC1-T2i-339	03/05/16	AOC1-T2i	5	6	6	0-06	--
AOC1-T2i-340	03/05/16	AOC1-T2i	9	10	10	0-10	--
AOC1-T2i-341	03/05/16	AOC1-T2i	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2i-342	03/05/16	AOC1-T2i	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2j-343	03/05/16	AOC1-T2j	0	1	0.5	0-0.5	--
AOC1-T2j-344	03/05/16	AOC1-T2j	2	3	3	0-03	--
AOC1-T2j-345	03/05/16	AOC1-T2j	2	3	3	0-03	--
AOC1-T2j-346	03/05/16	AOC1-T2j	5	6	6	0-06	--
AOC1-T2j-347	03/05/16	AOC1-T2j	9	10	10	0-10	--
AOC1-T2j-348	03/05/16	AOC1-T2j	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T2j-349	03/05/16	AOC1-T2j	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T2j-350	03/05/16	AOC1-T2j	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T3a-047	10/05/08	AOC1-T3a	0	0.5	0.5	0-0.5	--
AOC1-T3a-048	10/17/08	AOC1-T3a	2	3	3	0-03	--
AOC1-T3a-049	10/17/08	AOC1-T3a	5	6	6	0-06	--
AOC1-T3a-050	10/17/08	AOC1-T3a	9	10	10	0-10	--
AOC1-T3b-051	10/05/08	AOC1-T3b	0	0.5	0.5	0-0.5	--
AOC1-T3b-052	10/17/08	AOC1-T3b	2	3	3	0-03	--
AOC1-T3b-053	10/17/08	AOC1-T3b	5	6	6	0-06	--
AOC1-T3b-054	10/17/08	AOC1-T3b	9	10	10	0-10	--
AOC1-T3b-055	10/17/08	AOC1-T3b	9	10	10	0-10	--
AOC1-T3c-056	10/05/08	AOC1-T3c	0	0.5	0.5	0-0.5	--
AOC1-T3c-057	10/05/08	AOC1-T3c	2	3	3	0-03	--
AOC1-T3c-058	10/05/08	AOC1-T3c	5	6	6	0-06	--
AOC1-T3c-059	10/05/08	AOC1-T3c	9	10	10	0-10	--
AOC1-T4a-060	10/03/08	AOC1-T4a	0	0.5	0.5	0-0.5	--
AOC1-T4a-061	10/03/08	AOC1-T4a	2	3	3	0-03	--
AOC1-T4a-062	10/03/08	AOC1-T4a	5	6	6	0-06	--
AOC1-T4a-063	10/03/08	AOC1-T4a	9	10	10	0-10	--
AOC1-T4b-064	10/02/08	AOC1-T4b	0	0.5	0.5	0-0.5	--
AOC1-T4b-065	10/02/08	AOC1-T4b	2	3	3	0-03	--
AOC1-T4b-066	10/02/08	AOC1-T4b	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T4b-067	10/02/08	AOC1-T4b	5	6	6	0-06	--
AOC1-T4b-068	10/02/08	AOC1-T4b	9	10	10	0-10	--
AOC1-T4c-069	10/04/08	AOC1-T4c	0	0.5	0.5	0-0.5	--
AOC1-T4c-070	10/04/08	AOC1-T4c	2	3	3	0-03	--
AOC1-T4c-071	10/04/08	AOC1-T4c	5	6	6	0-06	--
AOC1-T4c-072	10/04/08	AOC1-T4c	9	10	10	0-10	--
AOC1-T5a-073	10/04/08	AOC1-T5a	0	0.5	0.5	0-0.5	--
AOC1-T5a-074	10/04/08	AOC1-T5a	2	3	3	0-03	--
AOC1-T5a-075	10/04/08	AOC1-T5a	5	6	6	0-06	--
AOC1-T5a-076	10/04/08	AOC1-T5a	9	10	10	0-10	--
AOC1-T5a-077	10/04/08	AOC1-T5a	9	10	10	0-10	--
AOC1-T5b-078	10/04/08	AOC1-T5b	0	0.5	0.5	0-0.5	--
AOC1-T5b-079	10/04/08	AOC1-T5b	2	3	3	0-03	--
AOC1-T5b-080	10/04/08	AOC1-T5b	5	6	6	0-06	--
AOC1-T5b-081	10/04/08	AOC1-T5b	9	10	10	0-10	--
AOC1-T5c-082	10/04/08	AOC1-T5c	0	0.5	0.5	0-0.5	--
AOC1-T5c-083	10/04/08	AOC1-T5c	2	3	3	0-03	--
AOC1-T5c-084	10/04/08	AOC1-T5c	5	6	6	0-06	--
AOC1-T5c-085	10/04/08	AOC1-T5c	9	10	10	0-10	--
AOC1-T5D-304	01/12/16	AOC1-T5D	0	1	0.5	0-0.5	--
AOC1-T5D-305	01/12/16	AOC1-T5D	2	3	3	0-03	--
AOC1-T5D-306	01/12/16	AOC1-T5D	2	3	3	0-03	--
AOC1-T5D-307	01/12/16	AOC1-T5D	5	6	6	0-06	--
AOC1-T5D-308	01/12/16	AOC1-T5D	9	10	10	0-10	--
AOC1-T5D-309	01/12/16	AOC1-T5D	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T5D-310	01/12/16	AOC1-T5D	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T5D-311	01/12/16	AOC1-T5D	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T6a-086	09/30/08	AOC1-T6a	0	0.5	0.5	0-0.5	--
AOC1-T6a-087	09/30/08	AOC1-T6a	2.5	3	3	0-03	--
AOC1-T6a-088	09/30/08	AOC1-T6a	2.5	3	3	0-03	--
AOC1-T6a-089	09/30/08	AOC1-T6a	5.5	6	6	0-06	--
AOC1-T6a-090	09/30/08	AOC1-T6a	9.5	10	10	0-10	--
AOC1-T6b-091	09/30/08	AOC1-T6b	0	0.5	0.5	0-0.5	--
AOC1-T6b-092	09/30/08	AOC1-T6b	2.5	3	3	0-03	--
AOC1-T6b-093	09/30/08	AOC1-T6b	5.5	6	6	0-06	--
AOC1-T6b-094	09/30/08	AOC1-T6b	9.5	10	10	0-10	--
AOC1-T6b-099	09/30/08	AOC1-T6b	9.5	10	10	0-10	--
AOC1-T6c-095	09/30/08	AOC1-T6c	0	0.5	0.5	0-0.5	--
AOC1-T6c-096	09/30/08	AOC1-T6c	2.5	3	3	0-03	--
AOC1-T6c-097	09/30/08	AOC1-T6c	5.5	6	6	0-06	--
AOC1-T6D-312	02/09/16	AOC1-T6D	0	0.5	0.5	0-0.5	--
AOC1-T6D-313	02/09/16	AOC1-T6D	2	3	3	0-03	--
AOC1-T6D-314	02/09/16	AOC1-T6D	5	6	6	0-06	--
AOC1-T6D-315	02/09/16	AOC1-T6D	9	10	10	0-10	--
AOC1-T6D-316	02/09/16	AOC1-T6D	9	10	10	0-10	--
AOC1-T6D-317	02/09/16	AOC1-T6D	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T6D-318	02/09/16	AOC1-T6D	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T6D-319	02/09/16	AOC1-T6D	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC1-T7-356	02/19/17	AOC1-T7	0	0.5	0.5	0-0.5	--
AOC1-T7-357	02/19/17	AOC1-T7	2	3	3	0-03	--
AOC1-T7-358	02/19/17	AOC1-T7	5	6	6	0-06	--
AOC1-T7-359	02/19/17	AOC1-T7	9	10	10	0-10	--
AOC1-T8-360	02/18/17	AOC1-T8	0	0.5	0.5	0-0.5	--
AOC1-T8-361	02/18/17	AOC1-T8	2	3	3	0-03	--
AOC1-T8-362	02/18/17	AOC1-T8	5	6	6	0-06	--
AOC1-T8-363	02/18/17	AOC1-T8	9	10	10	0-10	--
AOC1-T8-364	02/18/17	AOC1-T8	9	10	10	0-10	--
AOC27-1-28545	03/18/16	AOC27-1	0	1	0.5	0-0.5	--
AOC27-1-28546	03/18/16	AOC27-1	2	3	3	0-03	--
AOC27-1-28547	03/18/16	AOC27-1	5	6	6	0-06	--
AOC27-1-28548	03/18/16	AOC27-1	9	10	10	0-10	--
AOC27-18-28528	03/17/16	AOC27-18	0	1	0.5	0-0.5	--
AOC27-18-28529	03/17/16	AOC27-18	2	3	3	0-03	--
AOC27-18-28530	03/17/16	AOC27-18	5	6	6	0-06	--
AOC27-18-28531	03/17/16	AOC27-18E	4	5	5	0-06	--
AOC27-18-28532	03/17/16	AOC27-18	9	10	10	0-10	--
AOC27-20-28508	03/01/16	AOC27-20	0	1	0.5	0-0.5	--
AOC27-20-28509	03/01/16	AOC27-20	2	3	3	0-03	--

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC27-20-28510	03/01/16	AOC27-20	2	3	3	0-03	--
AOC27-20-28511	03/01/16	AOC27-20	5	6	6	0-06	--
AOC27-20-28512	03/01/16	AOC27-20	9	10	10	0-10	--
AOC27-2-28541	03/18/16	AOC27-2	0	1	0.5	0-0.5	--
AOC27-2-28542	03/18/16	AOC27-2	2	3	3	0-03	--
AOC27-2-28543	03/18/16	AOC27-2	5	6	6	0-06	--
AOC27-2-28544	03/18/16	AOC27-2	9	10	10	0-10	--
AOC27-24-28549	03/18/16	AOC27-24	0	1	0.5	0-0.5	--
AOC27-24-28550	03/18/16	AOC27-24	2	3	3	0-03	--
AOC27-24-28551	03/18/16	AOC27-24	5	6	6	0-06	--
AOC27-24-28552	03/18/16	AOC27-24	9	10	10	0-10	--
AOC27-24SW-28553	03/18/16	AOC27-24SW	0	1	0.5	0-0.5	--
AOC27-24SW-28554	03/18/16	AOC27-24SW	2	3	3	0-03	--
AOC27-24SW-28555	03/18/16	AOC27-24SW	5	6	6	0-06	--
AOC27-24SW-28556	03/18/16	AOC27-24SW	9	10	10	0-10	--
AOC27-27-28517	03/02/16	AOC27-27	0	1	0.5	0-0.5	--
AOC27-27-28518	03/02/16	AOC27-27	2	3	3	0-03	--
AOC27-36-28524	03/17/16	AOC27-36	0	1	0.5	0-0.5	--
AOC27-36-28525	03/17/16	AOC27-36	2	3	3	0-03	--
AOC27-36-28526	03/17/16	AOC27-36	5	6	6	0-06	--
AOC27-36-28527	03/17/16	AOC27-36	9.6	10	10	0-10	--
AOC27-4-28537	03/17/16	AOC27-4	0	1	0.5	0-0.5	--
AOC27-4-28538	03/17/16	AOC27-4	0	1	0.5	0-0.5	--
AOC27-4-28539	03/17/16	AOC27-4	2	3	3	0-03	--
AOC27-4-28540	03/17/16	AOC27-4	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC27-50-28513	03/02/16	AOC27-50	0	1	0.5	0-0.5	--
AOC27-50-28514	03/02/16	AOC27-50	2	3	3	0-03	--
AOC27-50-28515	03/02/16	AOC27-50	5	6	6	0-06	--
AOC27-50-28516	03/02/16	AOC27-50	9	10	10	0-10	--
AOC27-51-28557	02/17/17	AOC27-51	0	0.5	0.5	0-0.5	--
AOC27-51-28558	02/17/17	AOC27-51	2	3	3	0-03	--
AOC27-51-28559	02/17/17	AOC27-51	5	6	6	0-06	--
AOC27-5-28533	03/17/16	AOC27-5	0	1	0.5	0-0.5	--
AOC27-5-28534	03/17/16	AOC27-5	2	3	3	0-03	--
AOC27-5-28535	03/17/16	AOC27-5	5	6	6	0-06	--
AOC27-5-28536	03/17/16	AOC27-5	9	10	10	0-10	--
AOC27-6-28500	02/29/16	AOC27-6	0	1	0.5	0-0.5	--
AOC27-6-28501	02/29/16	AOC27-6	2	3	3	0-03	--
AOC27-6-28502	02/29/16	AOC27-6	5	6	6	0-06	--
AOC27-7-28503	02/29/16	AOC27-7	0	1	0.5	0-0.5	--
AOC27-7-28504	02/29/16	AOC27-7	2	3	3	0-03	--
AOC27-7-28505	03/01/16	AOC27-7	5	6	6	0-06	--
AOC27-8-28506	03/01/16	AOC27-8	1	2	2	0-03	--
AOC27-8-28507	03/01/16	AOC27-8	5	6	6	0-06	--
AOC27-9-28519	03/08/16	AOC27-9	0	1	0.5	0-0.5	--
AOC27-9-28520	03/08/16	AOC27-9	0	1	0.5	0-0.5	--
AOC27-9-28521	03/08/16	AOC27-9	2	3	3	0-03	--
AOC27-9-28522	03/08/16	AOC27-9	5	6	6	0-06	--
AOC27-9-28523	03/08/16	AOC27-9	9	10	10	0-10	--

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC28a-01-34000	12/17/15	AOC28a-01	0	0.5	0.5	0-0.5	--
AOC28a-01-34001	12/17/15	AOC28a-01	2	3	3	0-03	--
AOC28a-01-34002	12/17/15	AOC28a-01	2	3	3	0-03	--
AOC28b-01-34003	12/17/15	AOC28b-01	0	0.5	0.5	0-0.5	--
AOC28c-01-34004	12/17/15	AOC28c-01	0	0.5	0.5	0-0.5	--
AOC28c-01-34005	12/17/15	AOC28c-01	2	3	3	0-03	--
AOC28d-01-34006	12/17/15	AOC28d-01	0	0.5	0.5	0-0.5	--
AOC28d-01-34007	12/17/15	AOC28d-01	2	3	3	0-03	--
AOC28d-01-34008	12/17/15	AOC28d-01	5	6	6	0-06	--
AOC4-1-3001	10/14/08	AOC4-1	0	0.5	0.5	0-0.5	--
AOC4-1-3002	10/14/08	AOC4-1	0.5	1	1	0-03	--
AOC4-1-3003	10/14/08	AOC4-1	2	3	3	0-03	--
AOC4-19-3106	11/20/15	AOC4-19	0	1	0.5	0-0.5	--
AOC4-19-3107	11/20/15	AOC4-19	2	3	3	0-03	--
AOC4-20-3108	11/20/15	AOC4-20	0	1	0.5	0-0.5	--
AOC4-21-3110	11/20/15	AOC4-21	0	1	0.5	0-0.5	--
AOC4-22-3112	11/20/15	AOC4-22	0	1	0.5	0-0.5	--
AOC4-33-3182	02/14/17	AOC4-33	0	0.5	0.5	0-0.5	--
AOC4-33-3183	02/14/17	AOC4-33	2	3	3	0-03	--
AOC4-34-3184	02/14/17	AOC4-34	0	0.5	0.5	0-0.5	--

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-35-3186	02/14/17	AOC4-35	0	0.5	0.5	0-0.5	--
AOC4-A01-10002	03/02/10	AOC4-A01	0	0	0	0-0.5	--
AOC4-A01minus-10004	03/02/10	AOC4-A01minus	0	0	0	0-0.5	--
AOC4-A01S-50001	04/21/10	AOC4-A01S	0	0	0	0-0.5	--
AOC4-A02-10005	02/24/10	AOC4-A02	0	0	0	0-0.5	--
AOC4-A03-10010	03/01/10	AOC4-A03	0	0	0	0-0.5	--
AOC4-A04-10014	07/27/10	AOC4-A04	0	0	0	0-0.5	--
AOC4-A05-10017	07/26/10	AOC4-A05	0	0	0	0-0.5	--
AOC4-A06_A07-70000	08/10/10	AOC4-A06_A07	0	0	0	0-0.5	--
AOC4-A06-10021	07/26/10	AOC4-A06	0	0	0	0-0.5	--
AOC4-A25-20002	03/01/10	AOC4-A03	0	0	0	0-0.5	--
AOC4-B01-10082	03/03/10	AOC4-B01	0	0	0	0-0.5	--
AOC4-B01S-50007	04/21/10	AOC4-B01S	0	0	0	0-0.5	--
AOC4-B02-10086	03/17/10	AOC4-B02	0	0	0	0-0.5	--
AOC4-B03-10089	03/03/10	AOC4-B03	0	0	0	0-0.5	--
AOC4-B04-10093	03/12/10	AOC4-B04	0	0	0	0-0.5	--
AOC4-B05-10097	07/26/10	AOC4-B05	0	0	0	0-0.5	--
AOC4-B06_B07-70001	08/10/10	AOC4-B06_B07	0	0	0	0-0.5	--
AOC4-B06-10101	07/26/10	AOC4-B06	0	0	0	0-0.5	--

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Samples and Sampling Locations in the OCS Exposure Area

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AOC4-B25-20004	04/21/10	AOC4-B01S	0	0	0	0-0.5	--
AOC4-BCW1-3126	01/06/16	AOC4-BCW1	0	1	0.5	0-0.5	--
AOC4-BCW1-3127	01/06/16	AOC4-BCW1	2	3	3	0-03	--
AOC4-BCW1-3128	01/06/16	AOC4-BCW1	5	6	6	0-06	--
AOC4-BCW1-3129	01/06/16	AOC4-BCW1	9	10	10	0-10	--
AOC4-BCW2-3130	01/06/16	AOC4-BCW2	0	1	0.5	0-0.5	--
AOC4-BCW2-3131	01/06/16	AOC4-BCW2	2	3	3	0-03	--
AOC4-BCW2-3132	01/06/16	AOC4-BCW2	5	6	6	0-06	--
AOC4-BCW2-3133	01/06/16	AOC4-BCW2	9	10	10	0-10	--
AOC4-BCW2-3134	01/06/16	AOC4-BCW2	9	10	10	0-10	--
AOC4-BCW3-3135	01/06/16	AOC4-BCW3	0	1	0.5	0-0.5	--
AOC4-BCW3-3136	01/06/16	AOC4-BCW3	0	1	0.5	0-0.5	--
AOC4-BCW3-3137	01/06/16	AOC4-BCW3	2	3	3	0-03	--
AOC4-BCW3-3138	01/06/16	AOC4-BCW3	5	6	6	0-06	--
AOC4-BCW3-3139	01/06/16	AOC4-BCW3	9	10	10	0-10	--
AOC4-BCW4-3140	01/06/16	AOC4-BCW4	0	1	0.5	0-0.5	--
AOC4-BCW4-3141	01/06/16	AOC4-BCW4	2	3	3	0-03	--
AOC4-BCW4-3142	01/06/16	AOC4-BCW4	5	6	6	0-06	--
AOC4-BCW4-3143	01/06/16	AOC4-BCW4	9	10	10	0-10	--
AOC4-BCW5-3144	01/06/16	AOC4-BCW5	0	1	0.5	0-0.5	--
AOC4-BCW5-3145	01/06/16	AOC4-BCW5	0	1	0.5	0-0.5	--
AOC4-BCW5-3146	01/06/16	AOC4-BCW5	2	3	3	0-03	--
AOC4-BCW5-3147	01/06/16	AOC4-BCW5	5	6	6	0-06	--
AOC4-BCW5-3148	01/06/16	AOC4-BCW5	9	10	10	0-10	--
AOC4-BCW6-3149	01/06/16	AOC4-BCW6	0	1	0.5	0-0.5	--

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AOC4-BCW6-3150	01/06/16	AOC4-BCW6	2	3	3	0-03	--
AOC4-BCW6-3151	01/06/16	AOC4-BCW6	5	6	6	0-06	--
AOC4-BCW6-3152	01/06/16	AOC4-BCW6	9	10	10	0-10	--
AOC4-C01-10162	03/02/10	AOC4-C01	0	0	0	0-0.5	--
AOC4-C01S-50012	04/22/10	AOC4-C01S	0	0	0	0-0.5	--
AOC4-C02-10166	03/29/10	AOC4-C02	0	0	0	0-0.5	--
AOC4-C03-10169	03/18/10	AOC4-C03	0	0	0	0-0.5	--
AOC4-C04-10173	03/18/10	AOC4-C04	0	0	0	0-0.5	--
AOC4-C05-10177	07/26/10	AOC4-C05	0	0	0	0-0.5	--
AOC4-C06_C07-20002	08/10/10	AOC4-C06_C07	0	0	0	0-0.5	--
AOC4-C06_C07-70002	08/10/10	AOC4-C06_C07	0	0	0	0-0.5	--
AOC4-C06-10181	07/26/10	AOC4-C06	0	0	0	0-0.5	--
AOC4-D01-10242	03/24/10	AOC4-D01	0	0	0	0-0.5	--
AOC4-D01S-50016	04/12/10	AOC4-D01S	0	0	0	0-0.5	--
AOC4-D02-10245	03/19/10	AOC4-D02	0	0	0	0-0.5	--
AOC4-D03-10249	03/19/10	AOC4-D03	0	0	0	0-0.5	--
AOC4-D04-10253	03/19/10	AOC4-D04	0	0	0	0-0.5	--
AOC4-D05-10257	07/26/10	AOC4-D05	0	0	0	0-0.5	--
AOC4-D06_D07-70003	08/10/10	AOC4-D06_D07	0	0	0	0-0.5	--
AOC4-D06-10261	07/27/10	AOC4-D06	0	0	0	0-0.5	--

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4DAM-OS1-3214	02/22/17	AOC4-DAM-OS1	0	0.2	0.2	0-0.5	--
AOC4DAM-OS1-3215	02/22/17	AOC4-DAM-OS1	1	1.5	1.5	0-03	--
AOC4DAM-OS2-3217	02/22/17	AOC4-DAM-OS2	0	0.2	0.2	0-0.5	--
AOC4DAM-OS2-3218	02/22/17	AOC4-DAM-OS2	1	1.5	1.5	0-03	--
AOC4-E01S-50022	04/22/10	AOC4-E01S	0	0	0	0-0.5	--
AOC4-E02-10326	04/16/10	AOC4-E02	0	0	0	0-0.5	--
AOC4-E03-10329	03/25/10	AOC4-E03	0	0	0	0-0.5	--
AOC4-E04-10333	03/25/10	AOC4-E04	0	0	0	0-0.5	--
AOC4-E05-10337	07/27/10	AOC4-E05	0	0	0	0-0.5	--
AOC4-E06_E07-70004	08/10/10	AOC4-E06_E07	0	0	0	0-0.5	--
AOC4-E06-10341	07/27/10	AOC4-E06	0	0	0	0-0.5	--
AOC4-E25-20337	07/27/10	AOC4-E05	0	0	0	0-0.5	--
AOC4-F01S-50027	04/22/10	AOC4-F01S	0	0	0	0-0.5	--
AOC4-F02-10405	03/31/10	AOC4-F02	0	0	0	0-0.5	--
AOC4-F03-10409	03/31/10	AOC4-F03	0	0	0	0-0.5	--
AOC4-F04-10413	03/31/10	AOC4-F04	0	0	0	0-0.5	--
AOC4-F05-10417	08/09/10	AOC4-F05	0	0	0	0-0.5	--
AOC4-G01S-50032	04/22/10	AOC4-G01S	0	0	0	0-0.5	--
AOC4-G04-10493	08/04/10	AOC4-G04	0	0	0	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-G05-10497	08/05/10	AOC4-G05	0	0	0	0-0.5	--
AOC4-G06-10502	08/09/10	AOC4-G06	0	0	0	0-0.5	--
AOC4-GB10-11234	02/10/10	AOC4-GB10	0	0.5	0.5	0-0.5	--
AOC4-GB11-11235	02/10/10	AOC4-GB11	0	0.5	0.5	0-0.5	--
AOC4-GB12-11236	02/10/10	AOC4-GB12	0	0.5	0.5	0-0.5	--
AOC4-GB15-21235	02/10/10	AOC4-GB11	0	0.5	0.5	0-0.5	--
AOC4-H04-10573	07/27/10	AOC4-H04	0	0	0	0-0.5	--
AOC4-H05-10578	08/05/10	AOC4-H05	0	0	0	0-0.5	--
AOC4-I04-10654	05/19/10	AOC4-I04	0	0	0	0-0.5	--
AOC4-I05-10657	05/24/10	AOC4-I05	0	0	0	0-0.5	--
AOC4-I06_I07-70008	08/13/10	AOC4-I06_I07	0	0	0	0-0.5	--
AOC4-I06-10661	08/11/10	AOC4-I06	0	0	0	0-0.5	--
AOC4-J02-10725	05/10/10	AOC4-J02	0	0	0	0-0.5	--
AOC4-J03-10730	05/17/10	AOC4-J03	0	0	0	0-0.5	--
AOC4-J04-10733	06/15/10	AOC4-J04	0	0	0	0-0.5	--
AOC4-J05-10737	06/07/10	AOC4-J05	0	0	0	0-0.5	--
AOC4-J06_J07-70009	08/13/10	AOC4-J06_J07	0	0	0	0-0.5	--
AOC4-J06-10741	06/07/10	AOC4-J06	0	0	0	0-0.5	--
AOC4-K02-10805	05/17/10	AOC4-K02	0	0	0	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-K03-10809	05/17/10	AOC4-K03	0	0	0	0-0.5	--
AOC4-K04-10813	06/16/10	AOC4-K04	0	0	0	0-0.5	--
AOC4-K05-10818	06/15/10	AOC4-K05	0	0	0	0-0.5	--
AOC4-K06-10821	06/15/10	AOC4-K06	0	0	0	0-0.5	--
AOC4-K07-10825	06/15/10	AOC4-K07	0	0	0	0-0.5	--
AOC4-K25-20805	05/17/10	AOC4-K02	0	0	0	0-0.5	--
AOC4-L04-10893	05/18/10	AOC4-L04	0	0	0	0-0.5	--
AOC4-L05-10897	06/28/10	AOC4-L05	0	0	0	0-0.5	--
AOC4-L06-10901	06/28/10	AOC4-L06	0	0	0	0-0.5	--
AOC4-L07_L08-70011	09/20/10	AOC4-L07_L08	0	0	0	0-0.5	--
AOC4-L07-10905	09/16/10	AOC4-L07	0	0	0	0-0.5	--
AOC4-L07-20905	09/16/10	AOC4-L07	0	0	0	0-0.5	--
AOC4-L25-20901	06/28/10	AOC4-L06	0	0	0	0-0.5	--
AOC4-M05-10978	09/20/10	AOC4-M05	0	0	0	0-0.5	--
AOC4-M06-10822	02/07/17	AOC4-M06	2	3	3	0-03	--
AOC4-M06-10981	07/08/10	AOC4-M06	0	0	0	0-0.5	--
AOC4-M07_M08-70012	09/22/10	AOC4-M07_M08	0	0	0	0-0.5	--
AOC4-M07-10985	09/22/10	AOC4-M07	0	0	0	0-0.5	--
AOC4-M08_M09-70013	09/23/10	AOC4-M08_M09	0	0	0	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-M08-10989	09/22/10	AOC4-M08	0	0	0	0-0.5	--
AOC4-M10-10997	10/01/10	AOC4-M10	0	0	0	0-0.5	--
AOC4-N05-11057	07/08/10	AOC4-N05A	0	0	0	0-0.5	--
AOC4-N06-11062	09/23/10	AOC4-N06	0	0	0	0-0.5	--
AOC4-N07-11065	09/23/10	AOC4-N07	0	0	0	0-0.5	--
AOC4-N08-11069	09/23/10	AOC4-N08	0	0	0	0-0.5	--
AOC4-O07-11145	10/01/10	AOC4-O07	0	0	0	0-0.5	--
AOC4-O08-11149	10/01/10	AOC4-O08	0	0	0	0-0.5	--
AOC9-10-4023	10/01/08	AOC9-10	0	0.5	0.5	0-0.5	--
AOC9-10-4024	10/01/08	AOC9-10	2	3	3	0-03	--
AOC9-11-4025	09/18/08	AOC9-11	0	0.5	0.5	0-0.5	--
AOC9-11-4026	09/18/08	AOC9-11	2	3	3	0-03	--
AOC9-12-4027	10/01/08	AOC9-12	0	0.5	0.5	0-0.5	--
AOC9-12-4028	10/01/08	AOC9-12	2	3	3	0-03	--
AOC9-13-4029	09/19/08	AOC9-13	0	0.5	0.5	0-0.5	--
AOC9-13-4030	09/19/08	AOC9-13	2	3	3	0-03	--
AOC9-13-4031	09/19/08	AOC9-13	2	3	3	0-03	--
AOC9-1-4001	10/01/08	AOC9-1	0	0.5	0.5	0-0.5	--
AOC9-1-4002	10/01/08	AOC9-1	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC9-14-4032	10/02/08	AOC9-14	0	0.5	0.5	0-0.5	--
AOC9-14-4033	10/02/08	AOC9-14	2	3	3	0-03	--
AOC9-15-4100	12/06/15	AOC9-15	0	1	0.5	0-0.5	--
AOC9-15-4101	12/06/15	AOC9-15	2	3	3	0-03	--
AOC9-16-4105	01/13/16	AOC9-16	0	0.5	0.5	0-0.5	--
AOC9-16-4106	01/13/16	AOC9-16	2	3	3	0-03	--
AOC9-16-4107	01/13/16	AOC9-16	5	6	6	0-06	--
AOC9-16-4108	01/13/16	AOC9-16	9	10	10	0-10	--
AOC9-17-4109	01/10/16	AOC9-17	9	10	10	0-10	--
AOC9-17-4110	01/14/16	AOC9-17	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC9-18-4111	01/10/16	AOC9-18	5	6	6	0-06	--
AOC9-18-4112	01/10/16	AOC9-18	9	10	10	0-10	--
AOC9-19-4114	01/13/16	AOC9-19	0	0.5	0.5	0-0.5	--
AOC9-19-4115	01/13/16	AOC9-19	2	3	3	0-03	--
AOC9-19-4116	01/13/16	AOC9-19	5	6	6	0-06	--
AOC9-19-4117	01/13/16	AOC9-19	9	10	10	0-10	--
AOC9-20-4118	01/13/16	AOC9-20	0	0.5	0.5	0-0.5	--
AOC9-20-4119	01/13/16	AOC9-20	2	3	3	0-03	--
AOC9-20-4120	01/13/16	AOC9-20	2	3	3	0-03	--
AOC9-20-4121	01/13/16	AOC9-20	5	6	6	0-06	--
AOC9-20-4122	01/13/16	AOC9-20	9	10	10	0-10	--
AOC9-21-4123	01/08/17	AOC9-21	0	0.5	0.5	0-0.5	--
AOC9-21-4124	01/08/17	AOC9-21	0	0.5	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC9-21-4125	01/08/17	AOC9-21	2	3	3	0-03	--
AOC9-21-4126	01/08/17	AOC9-21	5	6	6	0-06	--
AOC9-22-4127	01/04/17	AOC9-22	0	0.5	0.5	0-0.5	--
AOC9-22-4128	01/04/17	AOC9-22	2	3	3	0-03	--
AOC9-22-4129	01/04/17	AOC9-22	4.5	5	5	0-06	--
AOC9-2-4003	09/18/08	AOC9-2	0	0.5	0.5	0-0.5	--
AOC9-2-4004	09/18/08	AOC9-2	2	3	3	0-03	--
AOC9-3-4005	09/18/08	AOC9-3	0	0.5	0.5	0-0.5	--
AOC9-3-4006	09/18/08	AOC9-3	2	3	3	0-03	--
AOC9-4-4007	09/18/08	AOC9-4	0	0.5	0.5	0-0.5	--
AOC9-4-4008	09/18/08	AOC9-4	2	3	3	0-03	--
AOC9-5-4009	10/01/08	AOC9-5	0	0.5	0.5	0-0.5	--
AOC9-5-4010	10/01/08	AOC9-5	2	3	3	0-03	--
AOC9-5-4011	10/01/08	AOC9-5	2	3	3	0-03	--
AOC9-6-4012	09/18/08	AOC9-6	0	0.5	0.5	0-0.5	--
AOC9-6-4013	09/18/08	AOC9-6	2	3	3	0-03	--
AOC9-7-4014	09/18/08	AOC9-7	0	0.5	0.5	0-0.5	--
AOC9-7-4015	09/18/08	AOC9-7	2	3	3	0-03	--
AOC9-8-4016	10/01/08	AOC9-8	0	0.5	0.5	0-0.5	--
AOC9-8-4017	10/01/08	AOC9-8	2.5	3	3	0-03	--
AOC9-8-4018	10/01/08	AOC9-8	5.5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC9-9-4019	10/01/08	AOC9-9	0	0.5	0.5	0-0.5	--
AOC9-9-4020	10/01/08	AOC9-9	2.5	3	3	0-03	--
AOC9-9-4021	10/01/08	AOC9-9	5.5	6	6	0-06	--
AOC9-9-4022	10/01/08	AOC9-9	5.5	6	6	0-06	--
Bank 1	03/07/03	Bank 1	0	0	0	0-0.5	--
DTSC-AOC10d-1	01/18/08	DTSC-AOC10d-1	0	0	0	0-0.5	--
DTSC-AOC10d-2	01/18/08	DTSC-AOC10d-2	0	0	0	0-0.5	--
DTSC-AOC10d-3	01/18/08	DTSC-AOC10d-3	0	0	0	0-0.5	--
GS-1	11/01/98	GS-1	0	0	0	0-0.5	--
GS-2	11/01/98	GS-2	0	0	0	0-0.5	--
L1-2	02/20/03	L-1	2	2	2	0-03	--
L1-S	02/20/03	L-1	0	0	0	0-0.5	--
L2-2	02/20/03	L-2	2	2	2	0-03	--
L22-2	03/05/03	L-2-2	2	2	2	0-03	--
L23-2	03/05/03	L-2-3	2	2	2	0-03	--
L2-S	02/20/03	L-2	0	0	0	0-0.5	--
L3-1	02/20/03	L-3	1	1	1	0-03	--
L3-1.5	02/20/03	L-3	1.5	1.5	1.5	0-03	--
L32-.5	03/05/03	L-3-2	0.5	0.5	0.5	0-0.5	--
L3-S	02/20/03	L-3	0	0	0	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
MW-10-1	06/27/97	MW-10	1	1	0.5	0-0.5	--
MW-10-10	06/27/97	MW-10	10	10	10	0-10	--
MW-10-20	06/27/97	MW-10	20	20	20	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-25	06/27/97	MW-10	25	25	25	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-3	06/27/97	MW-10	3	3	3	0-03	--
MW-10-30	06/27/97	MW-10	30	30	30	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-35	06/27/97	MW-10	35	35	35	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-40	06/27/97	MW-10	40	40	40	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-50	06/28/97	MW-10	50	50	50	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-6	06/27/97	MW-10	6	6	6	0-06	--
MW-10-60	06/27/97	MW-10	60	60	60	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-70	06/27/97	MW-10	70	70	70	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
MW-10-75	06/27/97	MW-10	75	75	75	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-75CL	06/27/97	MW-10	75	75	75	NE	Excluded from HHERA (> 10 ft bgs)
MW-10-82	06/27/97	MW-10	82	82	82	NE	Excluded from HHERA (> 10 ft bgs)
MW-11-1	06/29/97	MW-11	1	1	0.5	0-0.5	--
MW-11-10	06/29/97	MW-11	10	10	10	0-10	--
MW-11-20	06/29/97	MW-11	20	20	20	NE	Excluded from HHERA (> 10 ft bgs)
MW-11-3	06/29/97	MW-11	3	3	3	0-03	--
MW-11-30	06/29/97	MW-11	30	30	30	NE	Excluded from HHERA (> 10 ft bgs)
MW-11-40	06/29/97	MW-11	40	40	40	NE	Excluded from HHERA (> 10 ft bgs)
MW-11-50	06/29/97	MW-11	50	50	50	NE	Excluded from HHERA (> 10 ft bgs)
MW-11-6	06/29/97	MW-11	6	6	6	0-06	--
MW-11-60	06/29/97	MW-11	60	60	60	NE	Excluded from HHERA (> 10 ft bgs)

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
MW-11-60CL	06/29/97	MW-11	60	60	60	NE	Excluded from HHERA (> 10 ft bgs)
MW-11-69	06/29/97	MW-11	69	69	69	NE	Excluded from HHERA (> 10 ft bgs)
MW-13-10	07/09/97	MW-13	10	10	10	0-10	--
MW-13-20	07/09/97	MW-13	20	20	20	NE	Excluded from HHERA (> 10 ft bgs)
MW-13-25	07/09/97	MW-13	25	25	25	NE	Excluded from HHERA (> 10 ft bgs)
MW-13-30	07/09/97	MW-13	30	30	30	NE	Excluded from HHERA (> 10 ft bgs)
MW-13-40	07/09/97	MW-13	40	40	40	NE	Excluded from HHERA (> 10 ft bgs)
MW-13-40CL	07/09/97	MW-13	40	40	40	NE	Excluded from HHERA (> 10 ft bgs)
MW-175-SS04	01/14/09	MW-57BR	8	9	9	0-10	--
MW-57-BR-SS01	01/14/09	MW-57BR	3	4	4	0-06	--
MW-57-BR-SS02	01/14/09	MW-57BR	8	9	9	0-10	--
MW-57-BR-SS03	01/14/09	MW-57BR	18	19	19	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS01	01/29/09	MW-58BR_S	1.5	2	2	0-03	--

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
MW-58-BR-SS02	01/29/09	MW-58BR_S	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS03	01/29/09	MW-58BR_S	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS04	01/29/09	MW-58BR_S	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS05	01/29/09	MW-58BR_S	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS06	01/29/09	MW-58BR_S	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-1	06/30/97	MW-9	1	1	0.5	0-0.5	--
MW-9-10	07/01/97	MW-9	10	10	10	0-10	--
MW-9-20	06/30/97	MW-9	20	20	20	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-3.5CL	06/30/97	MW-9	3.5	3.5	3.5	0-06	--
MW-9-30	07/01/97	MW-9	30	30	30	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-40	06/30/97	MW-9	40	40	40	NE	Excluded from HHERA (> 10 ft bgs)

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
MW-9-50	07/01/97	MW-9	50	50	50	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-6	06/30/97	MW-9	6	6	6	0-06	--
MW-9-60	06/30/97	MW-9	60	60	60	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-70	06/30/97	MW-9	70	70	70	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-87	07/01/97	MW-9	87	87	87	NE	Excluded from HHERA (> 10 ft bgs)
MW-9-87CL	07/01/97	MW-9	87	87	87	NE	Excluded from HHERA (> 10 ft bgs)
Old Well-BCW-1	09/11/13	Old Well-BCW-1	7	8	8	0-10	--
Old Well-BCW-2	09/11/13	Old Well-BCW-2	4	5	5	0-06	--
P-2-WP	11/13/98	P-2Soil	3.5	3.5	3.5	0-06	--
PA-01-1	11/09/15	PA-01	0	1	0.5	0-0.5	--
PA-03-1	11/09/15	PA-03	0	1	0.5	0-0.5	--
PA-04-1	11/09/15	PA-04	0	1	0.5	0-0.5	--
PA-05-1	11/09/15	PA-05	0	1	0.5	0-0.5	--
PA-06-1	11/09/15	PA-06	0	1	0.5	0-0.5	--
PA-07-1	11/09/15	PA-07	0	1	0.5	0-0.5	--
PA-08-03	01/12/16	PA-08	2	3	3	0-03	--

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
PA-08-06	01/12/16	PA-08	5	6	6	0-06	--
PA-08-1	11/09/15	PA-08	0	1	0.5	0-0.5	--
PA-08-10	01/12/16	PA-08	9	10	10	0-10	--
PA-08-FD	01/12/16	PA-08	2	3	3	0-03	--
PA-09-01	01/27/16	PA-09	0	1	0.5	0-0.5	--
PA-10-01	01/27/16	PA-10	0	1	0.5	0-0.5	--
PA-10-02	01/26/17	PA-10	2	3	3	0-03	--
PA-11-01	01/27/16	PA-11	0	1	0.5	0-0.5	--
PA-11-02	01/25/17	PA-11	2	3	3	0-03	--
PA-11-03	01/25/17	PA-11	2	3	3	0-03	--
PA-12-01	01/27/16	PA-12	0	1	0.5	0-0.5	--
PA-12-02	01/25/17	PA-12	2	3	3	0-03	--
PA-13-01	01/27/16	PA-13	0	1	0.5	0-0.5	--
PA-14-01	01/27/16	PA-14	0	1	0.5	0-0.5	--
PA-15-01	01/27/16	PA-15	0	1	0.5	0-0.5	--
PA-16-01	01/27/16	PA-16	0	1	0.5	0-0.5	--
PA-17-01	01/27/16	PA-17	0	1	0.5	0-0.5	--
PA-18-01	01/27/16	PA-18	0	1	0.5	0-0.5	--
PA-18-02	01/26/17	PA-18	2	3	3	0-03	--
PA-18-03	01/26/17	PA-18	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
PA-19-01	01/27/16	PA-19	0	1	0.5	0-0.5	--
PA-19-02	01/31/17	PA-19	2	3	3	0-03	--
PA-20-01	01/27/16	PA-20	0	1	0.5	0-0.5	--
PA-20-02	01/31/17	PA-20	2	3	3	0-03	--
PA-21-01	01/27/16	PA-21	0	1	0.5	0-0.5	--
PA-21-02	01/31/17	PA-21	2	3	3	0-03	--
PA-23-01	01/27/16	PA-23	0	1	0.5	0-0.5	--
PS-21-0	04/13/99	PS-21	0	0	0	0-0.5	--
PS-21-2	04/13/99	PS-21	2	2	2	0-03	--
PS-22-0	04/13/99	PS-22	0	0	0	0-0.5	--
RR-1	02/02/00	RR-1	0	0	0	0-0.5	--
RR-10	02/02/00	RR-10	0	0	0	0-0.5	--
RR-11	02/02/00	RR-11	0	0	0	0-0.5	--
RR-12	02/02/00	RR-12	0	0	0	0-0.5	--
RR-2	02/02/00	RR-2	0	0	0	0-0.5	--
RR-3	02/02/00	RR-3	0	0	0	0-0.5	--
RR-4	02/02/00	RR-4	0	0	0	0-0.5	--
RR-5	02/02/00	RR-5	0	0	0	0-0.5	--
RR-6	02/02/00	RR-6	0	0	0	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
RR-7	02/02/00	RR-7	0	0	0	0-0.5	--
RR-8	02/02/00	RR-8	0	0	0	0-0.5	--
RR-9	02/02/00	RR-9	0	0	0	0-0.5	--
S1-20-3	11/01/98	S1-20	3	3	3	0-03	--
S2-130-1	11/01/98	S2-130	1	1	0.5	0-0.5	--
S2-62-2	11/01/98	S2-62	2	2	2	0-03	--
S2-62-4	11/01/98	S2-62	4	4	4	0-06	--
S2-6-3	11/01/98	S2-6	3	3	3	0-03	--
S2-6-5	11/01/98	S2-6	5	5	5	0-06	--
S3-120-1	11/01/98	S3-120	1	1	0.5	0-0.5	--
S3-15-2	11/01/98	S3-15	2	2	2	0-03	--
S3-15-4	11/01/98	S3-15	4	4	4	0-06	--
S3-72-1	11/01/98	S3-72	1	1	0.5	0-0.5	--
S3-72-2	11/01/98	S3-72	2	2	2	0-03	--
S4-160-2	11/01/98	S4-160	2	2	2	0-03	--
S4-4-4	11/01/98	S4-4	4	4	4	0-06	--
S4-4-6	11/01/98	S4-4	6	6	6	0-06	--
S4-95-2	11/01/98	S4-95	2	2	2	0-03	--
S4-95-3	11/01/98	S4-95	3	3	3	0-03	--
S8-30-3	11/01/98	S8-30	3	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-10-01	11/10/15	SD-10	0	1	0.5	0-0.5	--
SD-10-03	11/10/15	SD-10	2	3	3	0-03	--
SD-11-0	12/06/15	SD-11	0	0.5	0.5	0-0.5	--
SD-11-01	03/07/16	SD-11A	0	1	0.5	0-0.5	--
SD-11-02	03/07/16	SD-11A	2	3	3	0-03	--
SD-11-04	03/07/16	SD-11A	5	6	6	0-06	--
SD-11-3	12/06/15	SD-11	2	3	3	0-03	--
SD-12-01	11/10/15	SD-12	0	1	0.5	0-0.5	--
SD-12-03	11/10/15	SD-12	2	3	3	0-03	--
SD-13-01	11/10/15	SD-13	0	1	0.5	0-0.5	--
SD-13-03	11/10/15	SD-13	2	3	3	0-03	--
SD-14-01	01/11/16	SD-14	0	1	0.5	0-0.5	--
SD-14-03	01/11/16	SD-14	2	3	3	0-03	--
SD-14-06	01/11/16	SD-14	5	6	6	0-06	--
SD-14-10	01/11/16	SD-14	9	10	10	0-10	--
SD-15-01	01/12/16	SD-15	0	0.5	0.5	0-0.5	--
SD-15-03	01/12/16	SD-15	2	3	3	0-03	--
SD-15-06	01/12/16	SD-15	5	6	6	0-06	--
SD-15-10	01/12/16	SD-15	9	10	10	0-10	--
SD-16-01	01/12/16	SD-16	0	0.5	0.5	0-0.5	--
SD-16-03	01/12/16	SD-16	2	3	3	0-03	--
SD-16-06	01/12/16	SD-16	5	6	6	0-06	--
SD-16-10	01/12/16	SD-16	9	10	10	0-10	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-17-01	12/17/15	SD-17	0	0.5	0.5	0-0.5	--
SD-17-02	12/17/15	SD-17	2	3	3	0-03	--
SD-18-01	12/17/15	SD-18	0	0.5	0.5	0-0.5	--
SD-19-D1	01/13/16	SD-19	0	0.5	0.5	0-0.5	--
SD-19-D2	01/13/16	SD-19	2	3	3	0-03	--
SD-19-D3	01/13/16	SD-19	5	6	6	0-06	--
SD-19-D4	01/13/16	SD-19	8	8.5	8.5	0-10	--
SD-19-D7	01/13/16	SD-19	0	0.5	0.5	0-0.5	--
SD-1-D1	01/13/16	SD-01	0	0.5	0.5	0-0.5	--
SD-1-D2	01/13/16	SD-01	2	3	3	0-03	--
SD-1-D3	01/13/16	SD-01	5	6	6	0-06	--
SD-1-D4	01/13/16	SD-01	9	10	10	0-10	--
SD-20-01	11/11/15	SD-20	0	1	0.5	0-0.5	--
SD-20-01-FD	11/11/15	SD-20	0	1	0.5	0-0.5	--
SD-20-03	11/11/15	SD-20	2	3	3	0-03	--
SD-2-01	11/10/15	SD-02	0	1	0.5	0-0.5	--
SD-2-03	11/10/15	SD-02	2	3	3	0-03	--
SD-21-01	03/10/16	SD-21	0	1	0.5	0-0.5	--
SD-21-03	03/10/16	SD-21	2	3	3	0-03	--
SD-22-01	03/09/16	SD-22	0	1	0.5	0-0.5	--
SD-22-03	03/09/16	SD-22	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-23-01	03/09/16	SD-23	0	1	0.5	0-0.5	--
SD-23-03	03/09/16	SD-23	2	3	3	0-03	--
SD-25-01	03/10/16	SD-25	0	1	0.5	0-0.5	--
SD-26-01	03/10/16	SD-26	0	1	0.5	0-0.5	--
SD-27-02	02/15/17	SD-27	2	3	3	0-03	--
SD-3-01	11/10/15	SD-03	0	1	0.5	0-0.5	--
SD-3-03	11/10/15	SD-03	2	3	3	0-03	--
SD-33-OS1-1001	12/20/16	SD-OS33	1.5	2	2	0-03	--
SD-37-OS1-1001	11/30/16	SD-OS37	0	0.5	0.5	0-0.5	--
SD-37-OS1-1002	11/30/16	SD-OS37	3	3.5	3.5	0-06	--
SD-37-OS1-1003	11/30/16	SD-OS37	5	5.5	5.5	0-06	--
SD-4-01	11/10/15	SD-04	0	1	0.5	0-0.5	--
SD-4-03	11/10/15	SD-04	2	3	3	0-03	--
SD-5-01	11/10/15	SD-05	0	1	0.5	0-0.5	--
SD-5-01-FD	11/10/15	SD-05	0	1	0.5	0-0.5	--
SD-5-03	11/10/15	SD-05	2	3	3	0-03	--
SD-6-01	11/10/15	SD-06	0	1	0.5	0-0.5	--
SD-6-03	11/10/15	SD-06	2	3	3	0-03	--
SD-6-05	11/10/15	SD-06	5	6	6	0-06	--
SD-8-01	11/11/15	SD-08	0	1	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-8-01-FD	11/11/15	SD-08	0	1	0.5	0-0.5	--
SD-8-03	11/11/15	SD-08	2	3	3	0-03	--
SD-9-01	11/10/15	SD-09	0	1	0.5	0-0.5	--
SD-9-03	11/10/15	SD-09	2	3	3	0-03	--
SD-9-05	11/10/15	SD-09	5	6	6	0-06	--
SS-1-0.5	06/29/97	SS-1	0.5	0.5	0.5	0-0.5	--
SS-1-1.5	06/29/97	SS-1	1.5	1.5	1.5	0-03	--
SS-2-0.5	06/29/97	SS-2	0.5	0.5	0.5	0-0.5	--
SS-2-1.5	06/29/97	SS-2	1.5	1.5	1.5	0-03	--
SS-3-0	06/29/97	SS-3	0.5	0.5	0.5	0-0.5	--
SS-4-0	06/29/97	SS-4	0.5	0.5	0.5	0-0.5	--
SS-5-0	06/29/97	SS-5	0.5	0.5	0.5	0-0.5	--
SS-6-0	06/29/97	SS-6	0.5	0.5	0.5	0-0.5	--
SS-7-0	06/29/97	SS-7	0.5	0.5	0.5	0-0.5	--
SS-8-0	06/29/97	SS-8	0.5	0.5	0.5	0-0.5	--
SSB-1-1	06/25/97	SSB-1	1	1	0.5	0-0.5	--
SSB-1-10	06/25/97	SSB-1	10	10	10	0-10	--
SSB-1-3	06/25/97	SSB-1	3	3	3	0-03	--
SSB-1-6	06/25/97	SSB-1	6	6	6	0-06	--
SSB-2-1	06/30/97	SSB-2	1	1	0.5	0-0.5	--
SSB-2-10	06/30/97	SSB-2	10	10	10	0-10	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SSB-2-3	06/30/97	SSB-2	3	3	3	0-03	--
SSB-2-6	06/30/97	SSB-2	6	6	6	0-06	--
SSB-3-1	06/30/97	SSB-3	1	1	0.5	0-0.5	--
SSB-3-10	06/30/97	SSB-3	10	10	10	0-10	--
SSB-3-3	06/30/97	SSB-3	3	3	3	0-03	--
SSB-3-6	06/30/97	SSB-3	6	6	6	0-06	--
SSB-4-1	06/30/97	SSB-4	1	1	0.5	0-0.5	--
SSB-4-10	06/30/97	SSB-4	10	10	10	0-10	--
SSB-4-3	06/30/97	SSB-4	3	3	3	0-03	--
SSB-4-6	06/30/97	SSB-4	6	6	6	0-06	--
SSB-5-1	06/30/97	SSB-5	1	1	0.5	0-0.5	--
SSB-5-10	06/30/97	SSB-5	10	10	10	0-10	--
SSB-5-3	06/30/97	SSB-5	3	3	3	0-03	--
SSB-5-6	06/30/97	SSB-5	6	6	6	0-06	--
SSB-6-1	06/30/97	SSB-6	1	1	0.5	0-0.5	--
SSB-6-10	06/30/97	SSB-6	10	10	10	0-10	--
SSB-6-3	06/30/97	SSB-6	3	3	3	0-03	--
SSB-6-6	06/30/97	SSB-6	6	6	6	0-06	--
SSB-7-1	06/30/97	SSB-7	1	1	0.5	0-0.5	--
SSB-7-10	06/30/97	SSB-7	10	10	10	0-10	--
SSB-7-3	06/30/97	SSB-7	3	3	3	0-03	--
SSB-7-6	06/30/97	SSB-7	6	6	6	0-06	--
SSB-8-1	07/10/97	SSB-8	1	1	0.5	0-0.5	--
SSB-8-10	07/10/97	SSB-8	10	10	10	0-10	--
SSB-8-3	07/10/97	SSB-8	3	3	3	0-03	--
SSB-8-6	07/10/97	SSB-8	6	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SSB-9-1	07/10/97	SSB-9	1	1	0.5	0-0.5	--
SSB-9-10	07/10/97	SSB-9	10	10	10	0-10	--
SSB-9-3	07/10/97	SSB-9	3	3	3	0-03	--
SSB-9-6	07/10/97	SSB-9	6	6	6	0-06	--
SWMU1-10-1053	10/14/08	SWMU1-10	0	0.5	0.5	0-0.5	--
SWMU1-10-1054	10/14/08	SWMU1-10	2	3	3	0-03	--
SWMU1-10-1055	10/14/08	SWMU1-10	5	6	6	0-06	--
SWMU1-10-1056	10/14/08	SWMU1-10	5	6	6	0-06	--
SWMU1-10-1057	10/14/08	SWMU1-10	9	10	10	0-10	--
SWMU1-1-1001	10/16/08	SWMU1-1	0	0.5	0.5	0-0.5	--
SWMU1-1-1002	10/16/08	SWMU1-1	2	3	3	0-03	--
SWMU1-1-1003	10/16/08	SWMU1-1	5	6	6	0-06	--
SWMU1-1-1004	10/16/08	SWMU1-1	9	10	10	0-10	--
SWMU1-11-1058	10/15/08	SWMU1-11	0	0.5	0.5	0-0.5	--
SWMU1-11-1059	10/15/08	SWMU1-11	2	3	3	0-03	--
SWMU1-11-1060	10/15/08	SWMU1-11	5	6	6	0-06	--
SWMU1-11-1061	10/15/08	SWMU1-11	9	10	10	0-10	--
SWMU1-12-1062	10/14/08	SWMU1-12	0	0.5	0.5	0-0.5	--
SWMU1-12-1063	10/14/08	SWMU1-12	2	3	3	0-03	--
SWMU1-12-1064	10/14/08	SWMU1-12	5	6	6	0-06	--
SWMU1-12-1065	10/14/08	SWMU1-12	9	10	10	0-10	--
SWMU1-13-1066	10/14/08	SWMU1-13	0	0.5	0.5	0-0.5	--
SWMU1-13-1067	10/14/08	SWMU1-13	2	3	3	0-03	--
SWMU1-13-1068	10/14/08	SWMU1-13	2	3	3	0-03	--
SWMU1-13-1069	10/14/08	SWMU1-13	5	6	6	0-06	--
SWMU1-13-1070	10/14/08	SWMU1-13	9	10	10	0-10	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-14-1071	10/14/08	SWMU1-14	0	0.5	0.5	0-0.5	--
SWMU1-14-1072	10/14/08	SWMU1-14	2	3	3	0-03	--
SWMU1-14-1073	10/14/08	SWMU1-14	5	6	6	0-06	--
SWMU1-14-1074	10/14/08	SWMU1-14	9	10	10	0-10	--
SWMU1-15-1075	09/22/08	SWMU1-15	0	0.5	0.5	0-0.5	--
SWMU1-15-1076	09/22/08	SWMU1-15	2	3	3	0-03	--
SWMU1-15-1077	09/22/08	SWMU1-15	5	6	6	0-06	--
SWMU1-15-1078	09/22/08	SWMU1-15	9	10	10	0-10	--
SWMU1-15-1079	09/22/08	SWMU1-15	9	10	10	0-10	--
SWMU1-15-1080	09/22/08	SWMU1-15	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1081	09/22/08	SWMU1-15	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1082	09/22/08	SWMU1-15	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1083	09/22/08	SWMU1-15	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1084	09/22/08	SWMU1-15	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1085	09/22/08	SWMU1-15	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)

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Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-15-1086	09/22/08	SWMU1-15	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1087	09/23/08	SWMU1-15	89	90	90	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-15-1089	09/22/08	SWMU1-15	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-16-1090	09/21/08	SWMU1-16	0	0.5	0.5	0-0.5	--
SWMU1-16-1091	09/21/08	SWMU1-16	2	3	3	0-03	--
SWMU1-16-1092	09/21/08	SWMU1-16	5	6	6	0-06	--
SWMU1-17-1094	09/21/08	SWMU1-17	0	0.5	0.5	0-0.5	--
SWMU1-17-1095	09/21/08	SWMU1-17	2	3	3	0-03	--
SWMU1-17-1096	09/21/08	SWMU1-17	5	6	6	0-06	--
SWMU1-17-1097	09/21/08	SWMU1-17	9	10	10	0-10	--
SWMU1-17-1098	09/21/08	SWMU1-17	9	10	10	0-10	--
SWMU1-18-1100	01/07/16	SWMU1-18	0	1	0.5	0-0.5	--
SWMU1-18-1101	01/07/16	SWMU1-18	2	3	3	0-03	--
SWMU1-18-1102	01/07/16	SWMU1-18	5	6	6	0-06	--
SWMU1-18-1103	01/07/16	SWMU1-18	9	10	10	0-10	--
SWMU1-18-1104	01/07/16	SWMU1-18	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1105	01/07/16	SWMU1-18	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-18-1106	01/07/16	SWMU1-18	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1107	01/07/16	SWMU1-18	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1108	01/07/16	SWMU1-18	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1109	01/08/16	SWMU1-18	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1110	01/08/16	SWMU1-18	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1111	01/08/16	SWMU1-18	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-18-1112	01/08/16	SWMU1-18	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1113	01/09/16	SWMU1-19	0	1	0.5	0-0.5	--
SWMU1-19-1114	01/09/16	SWMU1-19	2	3	3	0-03	--
SWMU1-19-1115	01/09/16	SWMU1-19	5	6	6	0-06	--
SWMU1-19-1116	01/09/16	SWMU1-19	9	10	10	0-10	--
SWMU1-19-1117	01/09/16	SWMU1-19	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-19-1118	01/09/16	SWMU1-19	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1119	01/09/16	SWMU1-19	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1120	01/09/16	SWMU1-19	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1121	01/09/16	SWMU1-19	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1122	01/09/16	SWMU1-19	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1123	01/09/16	SWMU1-19	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1124	01/10/16	SWMU1-19	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-19-1125	01/10/16	SWMU1-19	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1126	01/13/16	SWMU1-20	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-20-1127	01/13/16	SWMU1-20	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1128	01/13/16	SWMU1-20	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1129	01/13/16	SWMU1-20	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1130	01/14/16	SWMU1-20	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1131	01/14/16	SWMU1-20	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1132	01/14/16	SWMU1-20	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1133	01/14/16	SWMU1-20	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1134	01/14/16	SWMU1-20	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-20-1152-1	01/13/16	SWMU1-20	1	1.5	0.5	0-0.5	--
SWMU1-20-1152-10	01/13/16	SWMU1-20	9	10	10	0-10	--
SWMU1-20-1152-2	01/13/16	SWMU1-20	2	3	3	0-03	--
SWMU1-20-1152-6	01/13/16	SWMU1-20	5	6	6	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-2-1005	10/15/08	SWMU1-2	0	0.5	0.5	0-0.5	--
SWMU1-2-1006	10/15/08	SWMU1-2	2	3	3	0-03	--
SWMU1-2-1007	10/15/08	SWMU1-2	5	6	6	0-06	--
SWMU1-2-1008	10/15/08	SWMU1-2	9	10	10	0-10	--
SWMU1-21-1135	01/26/16	SWMU1-21	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1136	01/26/16	SWMU1-21	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1137	01/27/16	SWMU1-21	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1138	01/27/16	SWMU1-21	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1139	01/27/16	SWMU1-21	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1140	01/27/16	SWMU1-21	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1141	01/27/16	SWMU1-21	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1142	01/27/16	SWMU1-21	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-21-1143	01/27/16	SWMU1-21	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-21-1153	01/26/16	SWMU1-21	0	1	0.5	0-0.5	--
SWMU1-21-1154	01/26/16	SWMU1-21	2	3	3	0-03	--
SWMU1-21-1155	01/26/16	SWMU1-21	5	6	6	0-06	--
SWMU1-21-1156	01/26/16	SWMU1-21	9	10	10	0-10	--
SWMU1-22-1144	12/17/15	SWMU1-22	0	1	0.5	0-0.5	--
SWMU1-23-1146	12/17/15	SWMU1-23	0	1	0.5	0-0.5	--
SWMU1-24-1147	12/17/15	SWMU1-24	0	1	0.5	0-0.5	--
SWMU1-25-1148	01/26/16	SWMU1-25	0	1	0.5	0-0.5	--
SWMU1-25-1149	01/26/16	SWMU1-25	2	3	3	0-03	--
SWMU1-25-1150	01/26/16	SWMU1-25	5	6	6	0-06	--
SWMU1-25-1151	01/26/16	SWMU1-25	9	10	10	0-10	--
SWMU1-26-1157	01/08/17	SWMU1-26	0	0.5	0.5	0-0.5	--
SWMU1-26-1158	01/08/17	SWMU1-26	0	0.5	0.5	0-0.5	--
SWMU1-26-1159	01/08/17	SWMU1-26	2	3	3	0-03	--
SWMU1-26-1160	01/08/17	SWMU1-26	5	6	6	0-06	--
SWMU1-26-1161	01/08/17	SWMU1-26	9	10	10	0-10	--
SWMU1-26-1162	01/08/17	SWMU1-26	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-26-1163	01/08/17	SWMU1-26	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-27-1165	01/07/17	SWMU1-27	0	0.5	0.5	0-0.5	--
SWMU1-27-1166	01/07/17	SWMU1-27	2	3	3	0-03	--
SWMU1-27-1167	01/07/17	SWMU1-27	5	6	6	0-06	--
SWMU1-27-1168	01/07/17	SWMU1-27	9	10	10	0-10	--
SWMU1-27-1169	01/07/17	SWMU1-27	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-27-1170	01/07/17	SWMU1-27	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-28-1172	02/14/17	SWMU1-28	0	0.5	0.5	0-0.5	--
SWMU1-28-1173	02/14/17	SWMU1-28	0	0.5	0.5	0-0.5	--
SWMU1-28-1174	02/14/17	SWMU1-28	2	3	3	0-03	--
SWMU1-29-1175	02/16/17	SWMU1-29	0	0.5	0.5	0-0.5	--
SWMU1-29-1176	02/16/17	SWMU1-29	2	3	3	0-03	--
SWMU1-29-1177	02/16/17	SWMU1-29	5	6	6	0-06	--
SWMU1-29-1178	02/16/17	SWMU1-29	9	10	10	0-10	--
SWMU1-3-1009	10/06/08	SWMU1-3	0	0.5	0.5	0-0.5	--
SWMU1-3-1010	10/06/08	SWMU1-3	2	3	3	0-03	--
SWMU1-3-1011	10/06/08	SWMU1-3	2	3	3	0-03	--
SWMU1-3-1012	10/06/08	SWMU1-3	5	6	6	0-06	--
SWMU1-3-1013	10/06/08	SWMU1-3	9	10	10	0-10	--
SWMU1-3-1014	10/06/08	SWMU1-3	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-3-1015	10/06/08	SWMU1-3	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-3-1016	10/06/08	SWMU1-3	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-3-1017	10/06/08	SWMU1-3	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-3-1018	10/06/08	SWMU1-3	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-3-1019	10/07/08	SWMU1-3	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-3-1020	10/07/08	SWMU1-3	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-3-1022	10/07/08	SWMU1-3	79	80	80	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-4-1025	10/15/08	SWMU1-4	0	0.5	0.5	0-0.5	--
SWMU1-4-1026	10/15/08	SWMU1-4	2	3	3	0-03	--
SWMU1-4-1027	10/15/08	SWMU1-4	5	6	6	0-06	--
SWMU1-4-1028	10/15/08	SWMU1-4	7	8	8	0-10	--
SWMU1-4-1029	10/15/08	SWMU1-4	9	10	10	0-10	--
SWMU1-4-1030	10/15/08	SWMU1-4	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-5-1031	10/15/08	SWMU1-5	9	10	10	0-10	--
SWMU1-5-1032	10/15/08	SWMU1-5	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-5-1033	10/15/08	SWMU1-5	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-5-1034	10/15/08	SWMU1-5	15	16	16	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-5-1035	10/15/08	SWMU1-5	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-6-1036	10/15/08	SWMU1-6	0	0.5	0.5	0-0.5	--
SWMU1-6-1037	10/15/08	SWMU1-6	2	3	3	0-03	--
SWMU1-6-1038	10/15/08	SWMU1-6	5	6	6	0-06	--
SWMU1-6-1039	10/15/08	SWMU1-6	9	10	10	0-10	--
SWMU1-7-1040	10/15/08	SWMU1-7	0	0.5	0.5	0-0.5	--
SWMU1-7-1041	10/15/08	SWMU1-7	2	3	3	0-03	--
SWMU1-7-1042	10/15/08	SWMU1-7	5	6	6	0-06	--
SWMU1-7-1043	10/15/08	SWMU1-7	9	10	10	0-10	--
SWMU1-7-1044	10/15/08	SWMU1-7	9	10	10	0-10	--
SWMU1-8-1045	10/15/08	SWMU1-8	0	0.5	0.5	0-0.5	--
SWMU1-8-1046	10/15/08	SWMU1-8	2	3	3	0-03	--
SWMU1-8-1047	10/15/08	SWMU1-8	5	6	6	0-06	--
SWMU1-8-1048	10/15/08	SWMU1-8	9	10	10	0-10	--
SWMU1-9-1049	10/14/08	SWMU1-9	0	0.5	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-9-1050	10/14/08	SWMU1-9	2	3	3	0-03	--
SWMU1-9-1051	10/14/08	SWMU1-9	5	6	6	0-06	--
SWMU1-9-1052	10/14/08	SWMU1-9	9	10	10	0-10	--
SWMU1-WP10-2068	10/05/08	SWMU1-WP-10	0	0.5	0.5	0-0.5	--
SWMU1-WP10-2069	10/05/08	SWMU1-WP-10	2	3	3	0-03	--
SWMU1-WP10-2070	10/05/08	SWMU1-WP-10	5	6	6	0-06	--
SWMU1-WP10-2073	10/05/08	SWMU1-WP-10	9	10	10	0-10	--
SWMU1-WP-1h-2001	10/07/08	SWMU1-WP-1h	0	0.5	0.5	0-0.5	--
SWMU1-WP-1h-2002	10/07/08	SWMU1-WP-1h	2	3	3	0-03	--
SWMU1-WP-1h-2003	10/07/08	SWMU1-WP-1h	5	6	6	0-06	--
SWMU1-WP-1h-2005	10/07/08	SWMU1-WP-1h	9	10	10	0-10	--
SWMU1-WP-3a-2006	10/14/08	SWMU1-WP-3a	0	0.5	0.5	0-0.5	--
SWMU1-WP-3a-2007	10/14/08	SWMU1-WP-3a	2	3	3	0-03	--
SWMU1-WP-3a-2008	10/14/08	SWMU1-WP-3a	5	6	6	0-06	--
SWMU1-WP-3a-2009	10/14/08	SWMU1-WP-3a	7	8	8	0-10	--
SWMU1-WP-3a-2010	10/14/08	SWMU1-WP-3a	9	10	10	0-10	--
SWMU1-WP-3a-2011	10/14/08	SWMU1-WP-3a	9	10	10	0-10	--
SWMU1-WP-3a-2012	10/14/08	SWMU1-WP-3a	11	12	12	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-3a-2013	10/14/08	SWMU1-WP-3a	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-3h-2014	10/07/08	SWMU1-WP-3h	0	0.5	0.5	0-0.5	--
SWMU1-WP-3h-2015	10/07/08	SWMU1-WP-3h	2	3	3	0-03	--
SWMU1-WP-3h-2016	10/07/08	SWMU1-WP-3h	5	6	6	0-06	--
SWMU1-WP-5a-2019	10/05/08	SWMU1-WP-5a	0	0.5	0.5	0-0.5	--
SWMU1-WP-5a-2020	10/05/08	SWMU1-WP-5a	2	3	3	0-03	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-WP-5a-2021	10/05/08	SWMU1-WP-5a	5	6	6	0-06	--
SWMU1-WP-5a-2022	10/05/08	SWMU1-WP-5a	5	6	6	0-06	--
SWMU1-WP-5a-2023	10/05/08	SWMU1-WP-5a	7	8	8	0-10	--
SWMU1-WP-5a-2024	10/05/08	SWMU1-WP-5a	9	10	10	0-10	--
SWMU1-WP-5a-2025	10/05/08	SWMU1-WP-5a	11	12	12	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-5a-2026	10/05/08	SWMU1-WP-5a	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-5h-2027	10/07/08	SWMU1-WP-5h	0	0.5	0.5	0-0.5	--
SWMU1-WP-5h-2028	10/07/08	SWMU1-WP-5h	2	3	3	0-03	--
SWMU1-WP-5h-2029	10/07/08	SWMU1-WP-5h	5	5	5	0-06	--
SWMU1-WP-6a-2032	10/05/08	SWMU1-WP-6a	0	0.5	0.5	0-0.5	--
SWMU1-WP-6a-2033	10/05/08	SWMU1-WP-6a	2	3	3	0-03	--
SWMU1-WP-6a-2034	10/05/08	SWMU1-WP-6a	2	3	3	0-03	--
SWMU1-WP-6a-2035	10/05/08	SWMU1-WP-6a	5	6	6	0-06	--
SWMU1-WP-6a-2036	10/05/08	SWMU1-WP-6a	7	8	8	0-10	--
SWMU1-WP-6a-2037	10/05/08	SWMU1-WP-6a	9	10	10	0-10	--
SWMU1-WP-6a-2038	10/05/08	SWMU1-WP-6a	11	12	12	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-6a-2039	10/05/08	SWMU1-WP-6a	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-6h-2040	10/06/08	SWMU1-WP-6h	0	0.5	0.5	0-0.5	--
SWMU1-WP-6h-2041	10/06/08	SWMU1-WP-6h	2	3	3	0-03	--
SWMU1-WP-6h-2042	10/06/08	SWMU1-WP-6h	5	6	6	0-06	--
SWMU1-WP-6h-2043	10/06/08	SWMU1-WP-6h	5	6	6	0-06	--
SWMU1-WP-6h-2045	10/06/08	SWMU1-WP-6h	9	10	10	0-10	--
SWMU1-WP7-2046	10/06/08	SWMU1-WP-7	0	0.5	0.5	0-0.5	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-WP7-2047	10/06/08	SWMU1-WP-7	2	3	3	0-03	--
SWMU1-WP7-2048	10/06/08	SWMU1-WP-7	5	6	6	0-06	--
SWMU1-WP7-2050	10/06/08	SWMU1-WP-7	9	10	10	0-10	--
SWMU1-WP8-2053	10/06/08	SWMU1-WP-8	0	0.5	0.5	0-0.5	--
SWMU1-WP8-2054	10/06/08	SWMU1-WP-8	2	3	3	0-03	--
SWMU1-WP8-2055	10/06/08	SWMU1-WP-8	5	6	6	0-06	--
SWMU1-WP8-2057	10/06/08	SWMU1-WP-8	9	10	10	0-10	--
SWMU1-WP9-2060	09/21/08	SWMU1-WP-9	0	0.5	0.5	0-0.5	--
SWMU1-WP9-2061	09/21/08	SWMU1-WP-9	2	3	3	0-03	--
SWMU1-WP9-2062	09/21/08	SWMU1-WP-9	2	3	3	0-03	--
SWMU1-WP9-2063	09/21/08	SWMU1-WP-9	5	6	6	0-06	--
SWMU1-WP9-2064	09/21/08	SWMU1-WP-9	7	8	8	0-10	--
SWMU1-WP9-2065	09/21/08	SWMU1-WP-9	9	10	10	0-10	--
SWMU1-WP9-2066	09/21/08	SWMU1-WP-9	11	12	12	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP9-2067	09/21/08	SWMU1-WP-9	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-T3a-2076	10/05/08	SWMU1-WP-T3a	0	0.5	0.5	0-0.5	--
SWMU1-WP-T3a-2077	10/05/08	SWMU1-WP-T3a	2	3	3	0-03	--
SWMU1-WP-T3a-2078	10/05/08	SWMU1-WP-T3a	5	6	6	0-06	--
SWMU1-WP-T3a-2079	10/05/08	SWMU1-WP-T3a	5	6	6	0-06	--
SWMU1-WP-T3a-2080	10/05/08	SWMU1-WP-T3a	7	8	8	0-10	--
SWMU1-WP-T3a-2081	10/05/08	SWMU1-WP-T3a	9	10	10	0-10	--
SWMU1-WP-T3a-2082	10/05/08	SWMU1-WP-T3a	11	12	12	NE	Excluded from HHERA (> 10 ft bgs)
SWMU1-WP-T3a-2083	10/05/08	SWMU1-WP-T3a	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-WP-T3a-2084	10/05/08	SWMU1-WP-T3a	9	10	10	0-10	--
T-3-B	11/13/98	T-3-B	0	0	0	0-0.5	--
TCS-4-01	03/25/14	TCS-4	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
TCS-4-02	03/25/14	TCS-4	113	113	113	NE	Excluded from HHERA (> 10 ft bgs)
TCS4-E-05	03/01/16	TCS4-E	4	5	5	0-06	--
TCS4-E-05D	03/01/16	TCS4-E	4	5	5	0-06	--
TCS4-E-06	03/01/16	TCS4-E	5	6	6	0-06	--
TCS4-N-05	03/01/16	TCS4-N	4	5	5	0-06	--
TCS4-N-06	03/01/16	TCS4-N	5	6	6	0-06	--
TCS4-S-05	03/01/16	TCS4-S	4	5	5	0-06	--
TCS4-S-06	03/01/16	TCS4-S	5	6	6	0-06	--
WP-1	06/30/97	WP-1	0	0	0	0-0.5	--
WP-2A	09/18/97	WP-2	0	0	0	0-0.5	--
WP-3-.5A	09/18/97	WP-3	0.5	0.5	0.5	0-0.5	--
WP-3-2A	09/18/97	WP-3	2	2	2	0-03	--
WP-4A	09/18/97	WP-4	0	0	0	0-0.5	--
WP-5-0A	09/18/97	WP-5	0	0	0	0-0.5	--
WP-5-1A	09/18/97	WP-5	1	1	1	0-03	--
WP-5-2A	09/18/97	WP-5	2	2	2	0-03	--
WP-5-3A	09/18/97	WP-5	3	3	3	0-03	--
WP-5-4A	09/18/97	WP-5	4	4	4	0-06	--

Table OCS-1.1
Samples and Sampling Locations in the OCS Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
WP-6-0A	09/18/97	WP-6	0	0	0	0-0.5	--
WP-6-1A	09/18/97	WP-6	1	1	1	0-03	--
WP-6-2A	09/18/97	WP-6	2	2	2	0-03	--
WP-Bank1	11/23/98	WP-BANK 1	0	0	0	0-0.5	--
WP-Bank2	11/23/98	WP-BANK 2	0	0	0	0-0.5	--
XMW-9-10	06/25/97	XMW-9	10	10	10	0-10	--
XMW-9-3	06/25/97	XMW-9	3	3	3	0-03	--
XMW-9-30	06/25/97	XMW-9	30	30	30	NE	Excluded from HHERA (> 10 ft bgs)
XMW-9-50	06/25/97	XMW-9	50	50	50	NE	Excluded from HHERA (> 10 ft bgs)
XMW-9-70	06/25/97	XMW-9	70	70	70	NE	Excluded from HHERA (> 10 ft bgs)

Notes:
[1]Scouring scenarios only evaluated for the human health risk assessment.
10 samples from 7 locations without depth informatuion were excluded from the HHERA: Bank – b, Bank – WP, P-1, P-2, T-1, T-2 and, WP-Floor.

Abbreviations:
AOC = area of concern
BCW = Bat Cave Wash
ft bgs = feet below ground surface
HHERA = human health and ecological risk assessment
NE = not evaluated in the HHERA
TCS = Topock Compressor Station

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Inorganics					
Aluminum	81 / 81	3,000 - 20,000	mg/kg	No	Within Background
Antimony	5 / 400	2.1 - 18	mg/kg	Yes	Above Background
Arsenic	327 / 400	1.1 - 14	mg/kg	No	Within Background
Barium	400 / 400	37 - 1,300	mg/kg	No	Within Background
Beryllium	0 / 400	ND	mg/kg	No	Not Detected
Cadmium	18 / 400	1.1 - 7.4	mg/kg	No	Within Background
Calcium [b]	90 / 90	9,100 - 280,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	4 / 5	5.9 - 227	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	175 / 456	0.060 - 2,700	mg/kg	Yes	Above Background
Chromium, total	458 / 458	4.9 - 2,800	mg/kg	Yes	Above Background
Cobalt	395 / 399	2.3 - 27	mg/kg	No	Within Background
Copper	455 / 455	2.2 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 77	0.22	mg/kg	Yes	Detected
Iron [b]	90 / 90	4,760 - 32,000	mg/kg	No	Within Background
Lead	399 / 401	1.1 - 920	mg/kg	Yes	Above Background
Magnesium [b]	90 / 90	2,600 - 14,300	mg/kg	No	Within Background
Manganese [b]	87 / 87	67 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	27 / 400	0.10 - 35	mg/kg	Yes	Above Background
Molybdenum	43 / 400	1.0 - 20	mg/kg	No	Within Background
Nickel	452 / 455	0.28 - 75	mg/kg	No	Within Background
Nitrate	2 / 2	8.0 - 54	mg/kg	Yes	Detected
Phosphate	2 / 2	161 - 358	mg/kg	Yes	Detected
Potassium [b]	90 / 90	690 - 5,300	mg/kg	No	Within Background
Selenium	3 / 400	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 400	ND	mg/kg	No	Not Detected
Sodium [b]	78 / 90	140 - 4,300	mg/kg	No	Within Background
Sulfate [c]	5 / 5	13 - 1,010	mg/kg	No	No Toxicity Values Available
Thallium	1 / 400	2.4	mg/kg	Yes	Above Background

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Vanadium	400 / 400	12 - 100	mg/kg	No	Within Background
Zinc	455 / 455	11 - 1,200	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 15	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 15	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 15	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 15	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 15	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 15	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 15	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 15	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 15	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 15	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 201	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 15	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 15	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 15	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 201	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 15	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 15	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 15	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 201	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 15	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 201	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 72	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 15	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 201	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 201	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 15	ND	ug/kg	No	Not Detected

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
2-Hexanone	0 / 10	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 15	ND	ug/kg	No	Not Detected
Acetone	0 / 15	ND	ug/kg	No	Not Detected
Acrolein	0 / 15	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 15	ND	ug/kg	No	Not Detected
Benzene	0 / 15	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 201	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 201	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 15	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 15	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 15	ND	ug/kg	No	Not Detected
Bromoform	0 / 15	ND	ug/kg	No	Not Detected
Bromomethane	0 / 15	ND	ug/kg	No	Not Detected
Carbon disulfide	0 / 15	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 15	ND	ug/kg	No	Not Detected
Chloro methane	0 / 15	ND	ug/kg	No	Not Detected
Chlorobenzene	0 / 15	ND	ug/kg	No	Not Detected
Chloroethane	0 / 15	ND	ug/kg	No	Not Detected
Chloroform	0 / 15	ND	ug/kg	No	Not Detected
cis-1,2-Dichloroethene	0 / 15	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 15	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 9	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 15	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 15	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 15	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 15	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 201	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 71	ND	ug/kg	No	Not Detected
Isophorone	1 / 201	2,800	ug/kg	Yes	Detected

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Isopropylbenzene	0 / 15	ND	ug/kg	No	Not Detected
Methyl acetate	0 / 10	ND	ug/kg	No	Not Detected
Methyl ethyl ketone	0 / 15	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 15	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 15	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 10	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 15	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 15	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 201	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 15	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 15	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 15	ND	ug/kg	No	Not Detected
Styrene	0 / 15	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 15	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 15	ND	ug/kg	No	Not Detected
Toluene	0 / 15	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 15	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 15	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 15	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 15	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 15	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 15	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 72	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 72	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 72	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 201	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 201	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 200	ND	ug/kg	No	Not Detected

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
2,4-Dinitrotoluene	0 / 201	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 201	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 201	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 201	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 201	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 201	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 201	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 201	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 201	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 201	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 200	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 201	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 201	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 201	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 201	ND	ug/kg	No	Not Detected
4-Methylphenol	1 / 201	430	ug/kg	Yes	Detected
4-Nitroaniline	0 / 201	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 201	ND	ug/kg	No	Not Detected
Acetophenone	0 / 72	ND	ug/kg	No	Not Detected
Atrazine	0 / 72	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 72	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 200	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 201	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 201	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	2 / 201	640 - 2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 201	ND	ug/kg	No	Not Detected
Caprolactam	0 / 71	ND	ug/kg	No	Not Detected
Carbazole	0 / 72	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 201	ND	ug/kg	No	Not Detected

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Diethyl phthalate	0 / 201	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 201	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 201	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 201	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 201	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 201	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 201	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 201	ND	ug/kg	No	Not Detected
Phenol	0 / 201	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	375 / 375	0 - 32,900	ug/kg	Yes	Above Background (ERA Only)
PAH Low molecular weight	375 / 375	0 - 3,880	ug/kg	Yes	Above Background (ERA Only)
1-Methyl naphthalene	5 / 366	5.9 - 160	ug/kg	Yes	Detected
2-Methyl naphthalene	9 / 371	7.5 - 120	ug/kg	Yes	Detected
Acenaphthene	8 / 371	5.1 - 51	ug/kg	Yes	Detected
Acenaphthylene	6 / 371	6.0 - 26	ug/kg	Yes	Detected
Anthracene	32 / 371	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	176 / 373	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	181 / 373	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	219 / 374	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	172 / 372	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	169 / 373	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	213 / 373	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	54 / 371	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	236 / 374	5.1 - 8,600	ug/kg	Yes	Detected
Fluorene	5 / 371	6.6 - 14	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	156 / 371	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	11 / 371	5.0 - 18	ug/kg	Yes	Detected
Phenanthrene	153 / 373	5.1 - 3,100	ug/kg	Yes	Detected

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Pyrene	229 / 374	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	233 / 374	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 117	ND	ug/kg	No	Not Detected
4,4-DDE	3 / 117	2.9 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 117	3.0	ug/kg	Yes	Detected
Aldrin	0 / 117	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 117	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 117	12	ug/kg	Yes	Detected
beta-BHC	0 / 117	ND	ug/kg	No	Not Detected
delta-BHC	0 / 117	ND	ug/kg	No	Not Detected
Dieldrin	1 / 117	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 117	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 117	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 117	ND	ug/kg	No	Not Detected
Endrin	0 / 117	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 117	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 70	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 117	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 117	13	ug/kg	Yes	Detected
Heptachlor	0 / 117	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 117	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 117	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 290	ND	ug/kg	No	Not Detected
Toxaphene	0 / 117	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	151 / 305	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	49 / 222	10 - 4,000	mg/kg	Yes	Detected

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
TPH as gasoline	0 / 2	ND	mg/kg	No	Not Detected
TPH as motor oil	135 / 222	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	36 / 234	0.11 - 67	ng/kg	Yes	Above Background (ERA Only)
TEQ Avian [g]	233 / 234	0.025 - 11,000	ng/kg	Yes	Above Background (ERA Only)
TEQ Human [g]	233 / 234	0.021 - 12,000	ng/kg	Yes	Above Background (HHRA Only)
TEQ Mammals [g]	233 / 234	0.021 - 12,000	ng/kg	Yes	Above Background (ERA Only)

Table OCS-2.1a
Chemicals Included in the Risk Assessment: OCS Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to both human health and ecological risk assessment (HHRA/ERA), unless otherwise noted.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA and ERA. Human health toxicity values are available for iron and manganese and ecological toxicity values are available for manganese, thus these chemicals are evaluated in the HHRA and ERA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Inorganics					
Aluminum	94 / 94	2,600 - 20,000	mg/kg	No	Within Background
Antimony	11 / 695	2.1 - 19	mg/kg	Yes	Above Background
Arsenic	605 / 695	1.1 - 24	mg/kg	No	Within Background
Barium	695 / 695	14 - 1,900	mg/kg	No	Within Background
Beryllium	0 / 695	ND	mg/kg	No	Not Detected
Cadmium	38 / 695	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	105 / 105	9,100 - 280,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	6 / 7	3.7 - 227	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	296 / 781	0.060 - 2,700	mg/kg	Yes	Above Background
Chromium, total	789 / 789	3.6 - 4,000	mg/kg	Yes	Above Background
Cobalt	689 / 694	1.6 - 36	mg/kg	No	Within Background
Copper	784 / 786	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 90	0.22	mg/kg	Yes	Detected
Iron [b]	105 / 105	540 - 32,000	mg/kg	No	Within Background
Lead	691 / 697	1.1 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	105 / 105	2,600 - 14,300	mg/kg	No	Within Background
Manganese [b]	100 / 100	67 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	46 / 696	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	90 / 695	0.63 - 63	mg/kg	No	Within Background
Nickel	783 / 786	0.28 - 270	mg/kg	No	Within Background
Nitrate	3 / 3	8.0 - 54	mg/kg	Yes	Detected
Phosphate	3 / 3	64 - 358	mg/kg	Yes	Detected
Potassium [b]	104 / 104	600 - 5,300	mg/kg	No	Within Background
Selenium	8 / 695	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 695	ND	mg/kg	No	Not Detected
Sodium [b]	92 / 105	140 - 4,300	mg/kg	No	Within Background
Sulfate [c]	7 / 7	7.3 - 1,010	mg/kg	No	No Toxicity Values Available
Thallium	5 / 695	2.1 - 6.1	mg/kg	Yes	Above Background

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Vanadium	695 / 695	9.6 - 100	mg/kg	No	Within Background
Zinc	786 / 786	4.3 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 174	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 174	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 174	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 174	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 174	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 174	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 174	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 174	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 174	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 174	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 389	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 174	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 174	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 174	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 389	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 174	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 174	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 174	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 389	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 174	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 389	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 77	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 174	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 388	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 388	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 174	ND	ug/kg	No	Not Detected

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
2-Hexanone	0 / 71	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 174	ND	ug/kg	No	Not Detected
Acetone	0 / 138	ND	ug/kg	No	Not Detected
Acrolein	0 / 174	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 174	ND	ug/kg	No	Not Detected
Benzene	0 / 174	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 388	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 388	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 174	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 174	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 174	ND	ug/kg	No	Not Detected
Bromoform	0 / 174	ND	ug/kg	No	Not Detected
Bromomethane	2 / 174	23 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 174	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 174	ND	ug/kg	No	Not Detected
Chloro methane	3 / 174	5.5 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 174	ND	ug/kg	No	Not Detected
Chloroethane	0 / 174	ND	ug/kg	No	Not Detected
Chloroform	1 / 174	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 174	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 174	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 70	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 174	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 174	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 174	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 174	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 389	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 76	ND	ug/kg	No	Not Detected
Isophorone	2 / 388	2,200 - 2,800	ug/kg	Yes	Detected

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Isopropylbenzene	0 / 174	ND	ug/kg	No	Not Detected
Methyl acetate	3 / 71	6.6 - 17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 174	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 174	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 174	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 71	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 174	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 174	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 388	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 174	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 174	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 174	ND	ug/kg	No	Not Detected
Styrene	0 / 174	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 174	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 174	ND	ug/kg	No	Not Detected
Toluene	0 / 174	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 174	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 174	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 174	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 174	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 174	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 174	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 77	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 77	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 77	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 388	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 388	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 387	ND	ug/kg	No	Not Detected

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
2,4-Dinitrotoluene	0 / 388	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 388	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 388	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 388	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 388	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 388	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 386	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 388	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 388	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 388	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 385	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 386	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 386	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 388	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 386	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 388	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 388	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 388	ND	ug/kg	No	Not Detected
Acetophenone	0 / 77	ND	ug/kg	No	Not Detected
Atrazine	0 / 77	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 77	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 385	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 386	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 386	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	4 / 388	640 - 2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 388	ND	ug/kg	No	Not Detected
Caprolactam	0 / 76	ND	ug/kg	No	Not Detected
Carbazole	0 / 77	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 388	ND	ug/kg	No	Not Detected

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Diethyl phthalate	0 / 388	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 388	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 388	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 388	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 388	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 388	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 388	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 388	ND	ug/kg	No	Not Detected
Phenol	0 / 388	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	645 / 645	0 - 32,900	ug/kg	Yes	Above Background (ERA Only)
PAH Low molecular weight	645 / 645	0 - 3,880	ug/kg	Yes	Above Background (ERA Only)
1-Methyl naphthalene	11 / 631	5.8 - 220	ug/kg	Yes	Detected
2-Methyl naphthalene	15 / 638	5.2 - 240	ug/kg	Yes	Detected
Acenaphthene	9 / 638	5.1 - 51	ug/kg	Yes	Detected
Acenaphthylene	8 / 638	5.1 - 26	ug/kg	Yes	Detected
Anthracene	43 / 638	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	244 / 640	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	253 / 640	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	314 / 641	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	238 / 639	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	238 / 640	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	300 / 640	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	73 / 638	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	335 / 641	5.1 - 8,600	ug/kg	Yes	Detected
Fluorene	5 / 638	6.6 - 14	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	216 / 638	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	15 / 638	5.0 - 32	ug/kg	Yes	Detected
Phenanthrene	222 / 640	5.1 - 3,100	ug/kg	Yes	Detected

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Pyrene	326 / 641	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	334 / 641	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 171	ND	ug/kg	No	Not Detected
4,4-DDE	4 / 171	2.9 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 171	3.0	ug/kg	Yes	Detected
Aldrin	0 / 171	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 171	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 171	12	ug/kg	Yes	Detected
beta-BHC	0 / 171	ND	ug/kg	No	Not Detected
delta-BHC	0 / 171	ND	ug/kg	No	Not Detected
Dieldrin	1 / 171	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 171	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 171	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 171	ND	ug/kg	No	Not Detected
Endrin	0 / 171	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 171	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 72	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 171	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 171	13	ug/kg	Yes	Detected
Heptachlor	0 / 171	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 171	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 171	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 478	ND	ug/kg	No	Not Detected
Toxaphene	0 / 171	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	180 / 468	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	89 / 434	10 - 4,000	mg/kg	Yes	Detected

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
TPH as gasoline	0 / 197	ND	mg/kg	No	Not Detected
TPH as motor oil	245 / 432	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	49 / 368	0.11 - 67	ng/kg	Yes	Above Background (ERA Only)
TEQ Avian [g]	363 / 368	0.025 - 11,000	ng/kg	Yes	Above Background (ERA Only)
TEQ Human [g]	363 / 368	0.021 - 12,000	ng/kg	Yes	Above Background (HHRA Only)
TEQ Mammals [g]	363 / 368	0.021 - 12,000	ng/kg	Yes	Above Background (ERA Only)

Table OCS-2.1b
Chemicals Included in the Risk Assessment: OCS Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to both human health and ecological risk assessment (HHRA/ERA), unless otherwise noted.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA and ERA. Human health toxicity values are available for iron and manganese and ecological toxicity values are available for manganese, thus these chemicals are evaluated in the HHRA and ERA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Inorganics					
Aluminum	97 / 97	2,600 - 20,000	mg/kg	No	Within Background
Antimony	16 / 931	2.1 - 19	mg/kg	Yes	Above Background
Arsenic	826 / 931	1.1 - 24	mg/kg	No	Within Background
Barium	931 / 931	14 - 1,900	mg/kg	No	Within Background
Beryllium	0 / 931	ND	mg/kg	No	Not Detected
Cadmium	47 / 931	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	110 / 110	6,000 - 379,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	8 / 9	3.7 - 3,010	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	375 / 1035	0.060 - 2,700	mg/kg	Yes	Above Background
Chromium, total	1047 / 1047	3.6 - 4,400	mg/kg	Yes	Above Background
Cobalt	924 / 930	1.6 - 36	mg/kg	No	Within Background
Copper	1039 / 1042	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 93	0.22	mg/kg	Yes	Detected
Iron [b]	110 / 110	425 - 32,000	mg/kg	No	Within Background
Lead	921 / 934	1.0 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	110 / 110	2,600 - 23,000	mg/kg	No	Within Background
Manganese [b]	104 / 104	67 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	59 / 933	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	135 / 932	0.63 - 63	mg/kg	No	Within Background
Nickel	1039 / 1042	0.28 - 270	mg/kg	No	Within Background
Nitrate	5 / 5	6.0 - 54	mg/kg	Yes	Detected
Phosphate	5 / 5	8.8 - 358	mg/kg	Yes	Detected
Potassium [b]	109 / 109	90 - 5,300	mg/kg	No	Within Background
Selenium	13 / 931	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 931	ND	mg/kg	No	Not Detected
Sodium [b]	97 / 110	140 - 6,590	mg/kg	No	Within Background
Sulfate [c]	9 / 9	7.3 - 1,630	mg/kg	No	No Toxicity Values Available
Thallium	8 / 931	2.1 - 6.1	mg/kg	Yes	Above Background

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Vanadium	931 / 931	9.3 - 100	mg/kg	No	Within Background
Zinc	1041 / 1042	1.9 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 310	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 310	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 310	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 310	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 310	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 310	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 310	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 310	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 310	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 310	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 537	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 310	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 310	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 310	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 537	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 310	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 310	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 310	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 537	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 310	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 537	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 77	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 310	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 535	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 535	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 310	ND	ug/kg	No	Not Detected

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
2-Hexanone	0 / 71	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 310	ND	ug/kg	No	Not Detected
Acetone	0 / 240	ND	ug/kg	No	Not Detected
Acrolein	0 / 310	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 310	ND	ug/kg	No	Not Detected
Benzene	0 / 310	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 535	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 535	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 310	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 310	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 310	ND	ug/kg	No	Not Detected
Bromoform	0 / 310	ND	ug/kg	No	Not Detected
Bromomethane	3 / 310	11 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 310	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 310	ND	ug/kg	No	Not Detected
Chloro methane	4 / 310	5.3 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 310	ND	ug/kg	No	Not Detected
Chloroethane	0 / 310	ND	ug/kg	No	Not Detected
Chloroform	1 / 310	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 310	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 310	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 70	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 310	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 310	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 310	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 310	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 537	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 76	ND	ug/kg	No	Not Detected
Isophorone	2 / 535	2,200 - 2,800	ug/kg	Yes	Detected

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Isopropylbenzene	0 / 310	ND	ug/kg	No	Not Detected
Methyl acetate	3 / 71	6.6 - 17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 310	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 310	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 310	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 71	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 310	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 310	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 535	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 310	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 310	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 310	ND	ug/kg	No	Not Detected
Styrene	0 / 310	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 310	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 310	ND	ug/kg	No	Not Detected
Toluene	0 / 310	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 310	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 310	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 310	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 310	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 310	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 310	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 77	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 77	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 77	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 535	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 535	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 534	ND	ug/kg	No	Not Detected

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
2,4-Dinitrotoluene	0 / 535	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 535	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 535	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 535	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 535	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 535	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 533	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 535	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 535	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 535	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 532	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 533	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 533	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 535	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 533	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 535	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 535	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 535	ND	ug/kg	No	Not Detected
Acetophenone	0 / 77	ND	ug/kg	No	Not Detected
Atrazine	0 / 77	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 77	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 530	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 533	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 533	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	5 / 535	370 - 2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 535	ND	ug/kg	No	Not Detected
Caprolactam	0 / 76	ND	ug/kg	No	Not Detected
Carbazole	0 / 77	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 535	ND	ug/kg	No	Not Detected

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Diethyl phthalate	0 / 535	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 535	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 535	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 535	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 535	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 535	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 535	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 535	ND	ug/kg	No	Not Detected
Phenol	0 / 535	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	850 / 850	0 - 32,900	ug/kg	Yes	Above Background (ERA Only)
PAH Low molecular weight	850 / 850	0 - 3,880	ug/kg	Yes	Above Background (ERA Only)
1-Methyl naphthalene	11 / 835	5.8 - 220	ug/kg	Yes	Detected
2-Methyl naphthalene	15 / 842	5.2 - 240	ug/kg	Yes	Detected
Acenaphthene	11 / 842	5.1 - 53	ug/kg	Yes	Detected
Acenaphthylene	8 / 842	5.1 - 26	ug/kg	Yes	Detected
Anthracene	49 / 842	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	271 / 844	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	283 / 844	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	357 / 845	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	264 / 843	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	266 / 844	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	335 / 844	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	84 / 842	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	374 / 845	5.1 - 8,600	ug/kg	Yes	Detected
Fluorene	7 / 842	5.1 - 29	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	238 / 842	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	15 / 842	5.0 - 32	ug/kg	Yes	Detected
Phenanthrene	245 / 844	5.1 - 3,100	ug/kg	Yes	Detected

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
Pyrene	365 / 845	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	379 / 845	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 216	ND	ug/kg	No	Not Detected
4,4-DDE	5 / 216	2.6 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 216	3.0	ug/kg	Yes	Detected
Aldrin	0 / 216	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 216	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 216	12	ug/kg	Yes	Detected
beta-BHC	0 / 216	ND	ug/kg	No	Not Detected
delta-BHC	0 / 216	ND	ug/kg	No	Not Detected
Dieldrin	1 / 216	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 216	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 216	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 216	ND	ug/kg	No	Not Detected
Endrin	0 / 216	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 216	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 72	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 216	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 216	13	ug/kg	Yes	Detected
Heptachlor	0 / 216	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 216	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 216	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 626	ND	ug/kg	No	Not Detected
Toxaphene	0 / 216	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	191 / 557	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	108 / 593	10 - 4,000	mg/kg	Yes	Detected

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC/COPEC in Risk Assessment
TPH as gasoline	0 / 346	ND	mg/kg	No	Not Detected
TPH as motor oil	326 / 591	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	56 / 468	0.11 - 67	ng/kg	Yes	Above Background (ERA Only)
TEQ Avian [g]	457 / 468	0.025 - 11,000	ng/kg	Yes	Above Background (ERA Only)
TEQ Human [g]	457 / 468	0.021 - 12,000	ng/kg	Yes	Above Background (HHRA Only)
TEQ Mammals [g]	457 / 468	0.021 - 12,000	ng/kg	Yes	Above Background (ERA Only)

Table OCS-2.1c
Chemicals Included in the Risk Assessment: OCS Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to both human health and ecological risk assessment (HHRA/ERA), unless otherwise noted.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA and ERA. Human health toxicity values are available for iron and manganese and ecological toxicity values are available for manganese, thus these chemicals are evaluated in the HHRA and ERA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Inorganics					
Acid Volatile Sulfides	0 / 13	ND	mg/kg	No	Not Detected
Aluminum	100 / 100	2,600 - 20,000	mg/kg	No	Within Background
Antimony	17 / 1149	2.1 - 19	mg/kg	Yes	Above Background
Arsenic	1031 / 1149	1.0 - 24	mg/kg	No	Within Background
Barium	1162 / 1162	14 - 1,900	mg/kg	No	Within Background
Beryllium	0 / 1149	ND	mg/kg	No	Not Detected
Cadmium	54 / 1149	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	113 / 113	6,000 - 379,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	8 / 9	3.7 - 3,010	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	417 / 1268	0.060 - 2,700	mg/kg	Yes	Above Background
Chromium, total	1281 / 1281	2.9 - 4,400	mg/kg	Yes	Above Background
Cobalt	1142 / 1148	1.6 - 36	mg/kg	No	Within Background
Copper	1268 / 1274	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 96	0.22	mg/kg	Yes	Detected
Iron [b]	126 / 126	425 - 32,000	mg/kg	No	Within Background
Lead	1141 / 1166	1.0 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	113 / 113	2,600 - 23,000	mg/kg	No	Within Background
Manganese [b]	120 / 120	67 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	68 / 1152	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	162 / 1165	0.071 - 63	mg/kg	No	Within Background
Nickel	1271 / 1274	0.28 - 270	mg/kg	No	Within Background
Nitrate	5 / 5	6.0 - 54	mg/kg	Yes	Detected
Orthophosphate	13 / 13	204 - 359	mg/kg	Yes	Detected
Phosphate	5 / 5	8.8 - 358	mg/kg	Yes	Detected
Potassium [b]	112 / 112	90 - 5,300	mg/kg	No	Within Background
Selenium	16 / 1149	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 1149	ND	mg/kg	No	Not Detected
Sodium [b]	100 / 113	140 - 6,590	mg/kg	No	Within Background

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Sulfate [c]	22 / 22	7.3 - 1,630	mg/kg	No	No Toxicity Values Available
Thallium	12 / 1149	2.1 - 6.1	mg/kg	Yes	Above Background
Vanadium	1162 / 1162	9.2 - 100	mg/kg	No	Within Background
Zinc	1273 / 1274	1.9 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 431	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 431	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 431	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 431	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 431	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 431	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 431	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 431	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 431	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 431	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 666	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 431	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 431	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 431	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 666	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 431	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 431	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 431	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 666	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 431	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 666	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 77	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 431	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 663	ND	ug/kg	No	Not Detected

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
2,4,6-Trichlorophenol	0 / 663	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 431	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 71	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 431	ND	ug/kg	No	Not Detected
Acetone	0 / 339	ND	ug/kg	No	Not Detected
Acrolein	0 / 431	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 431	ND	ug/kg	No	Not Detected
Benzene	0 / 431	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 663	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 663	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 431	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 431	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 431	ND	ug/kg	No	Not Detected
Bromoform	0 / 431	ND	ug/kg	No	Not Detected
Bromomethane	3 / 431	11 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 431	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 431	ND	ug/kg	No	Not Detected
Chloro methane	4 / 431	5.3 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 431	ND	ug/kg	No	Not Detected
Chloroethane	0 / 431	ND	ug/kg	No	Not Detected
Chloroform	1 / 431	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 431	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 431	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 70	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 431	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 431	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 431	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 431	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 666	ND	ug/kg	No	Not Detected

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Hexachlorocyclopentadiene	0 / 76	ND	ug/kg	No	Not Detected
Isophorone	2 / 663	2,200 - 2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 431	ND	ug/kg	No	Not Detected
Methyl acetate	3 / 71	6.6 - 17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 431	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 431	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 431	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 71	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 431	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 431	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 663	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 431	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 431	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 431	ND	ug/kg	No	Not Detected
Styrene	0 / 431	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 431	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 431	ND	ug/kg	No	Not Detected
Toluene	0 / 431	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 431	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 431	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 431	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 431	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 431	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 431	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 77	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 77	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 77	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 663	ND	ug/kg	No	Not Detected

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
2,4-Dimethylphenol	0 / 663	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 662	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 663	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 663	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 663	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 663	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 663	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 663	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 661	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 663	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 663	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 663	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 660	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 661	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 661	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 663	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 661	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 663	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 663	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 663	ND	ug/kg	No	Not Detected
Acetophenone	0 / 77	ND	ug/kg	No	Not Detected
Atrazine	0 / 77	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 77	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 656	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 661	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 661	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	5 / 663	370 - 2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	1 / 663	630	ug/kg	Yes	Detected
Caprolactam	0 / 76	ND	ug/kg	No	Not Detected

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Carbazole	0 / 77	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 663	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 663	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 663	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 663	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 663	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 663	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 663	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 663	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 663	ND	ug/kg	No	Not Detected
Phenol	0 / 663	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	11 / 1019	5.8 - 220	ug/kg	Yes	Detected
2-Methyl naphthalene	17 / 1026	5.0 - 240	ug/kg	Yes	Detected
Acenaphthene	11 / 1026	5.1 - 53	ug/kg	Yes	Detected
Acenaphthylene	8 / 1026	5.1 - 26	ug/kg	Yes	Detected
Anthracene	51 / 1026	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	280 / 1028	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	290 / 1028	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	367 / 1029	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	270 / 1027	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	274 / 1028	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	346 / 1028	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	88 / 1026	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	387 / 1029	5.1 - 8,600	ug/kg	Yes	Detected
Fluorene	8 / 1026	5.1 - 29	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	244 / 1026	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	17 / 1026	5.0 - 32	ug/kg	Yes	Detected
Phenanthrene	253 / 1028	5.1 - 3,100	ug/kg	Yes	Detected

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Pyrene	377 / 1029	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	392 / 1029	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 258	ND	ug/kg	No	Not Detected
4,4-DDE	5 / 258	2.6 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 258	3.0	ug/kg	Yes	Detected
Aldrin	0 / 258	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 258	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 258	12	ug/kg	Yes	Detected
beta-BHC	0 / 258	ND	ug/kg	No	Not Detected
delta-BHC	0 / 258	ND	ug/kg	No	Not Detected
Dieldrin	1 / 258	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 258	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 258	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 258	ND	ug/kg	No	Not Detected
Endrin	0 / 258	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 258	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 72	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 258	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 258	13	ug/kg	Yes	Detected
Heptachlor	0 / 258	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 258	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 258	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 755	ND	ug/kg	No	Not Detected
Toxaphene	0 / 258	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	193 / 624	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	116 / 725	10 - 4,000	mg/kg	Yes	Detected

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
TPH as gasoline	0 / 473	ND	mg/kg	No	Not Detected
TPH as motor oil	353 / 723	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
TEQ Human [g]	513 / 534	0.021 - 12,000	ng/kg	Yes	Above Background

Table OCS-2.1d
Chemicals Included in the Risk Assessment: OCS Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to human health risk assessment (HHRA) only.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA. Human health toxicity values are available for iron and manganese, thus these chemicals are evaluated in the HHRA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Soil Depth Interval: 0-0.5 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-0.5	81 / 81	100	3000	20000	NA	NA	8689	8689	8400	9158500	3026	--	--	--	--	--
Antimony	mg/kg	0-0.5	5 / 400	1	2.1	18	1	5.5	8.06	1.088	2.7	60.53	7.78	X	1.19	95% KM (t) UCL	1.17	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-0.5	327 / 400	82	1.1	14	0.5	2.75	4.259	3.58	3.7	4.631	2.152	--	--	--	--	--
Barium	mg/kg	0-0.5	400 / 400	100	37	1300	NA	NA	171.4	171.4	140	14854	121.9	--	--	--	--	--
Beryllium	mg/kg	0-0.5	0 / 400	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-0.5	18 / 400	5	1.1	7.4	0.5	4.9	1.8	0.559	1.45	2.034	1.426	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-0.5	175 / 456	38	0.06	2700	0.025	2.35	19.12	7.358	0.9	41663	204.1	X	33.2	95% KM (Chebyshev) UCL	18.5	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-0.5	458 / 458	100	4.9	2800	NA	NA	77.44	77.44	26	64470	253.9	X	129	95% Chebyshev (Mean, Sd) UCL	56.9	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-0.5	395 / 399	99	2.3	27	2.2	2.7	7.377	7.326	7.1	7.511	2.741	--	--	--	--	--
Copper	mg/kg	0-0.5	455 / 455	100	2.2	3100	NA	NA	28.47	28.47	12	23867	154.5	X	60	95% Chebyshev (Mean, Sd) UCL	30.4	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-0.5	1 / 77	1	0.22	0.22	0.05	3.35	0.22	0.06	0.22	NA	NA	X	0.22	Max Detect	0.22	Max Detect
Iron	mg/kg	0-0.5	90 / 90	100	4760	32000	NA	NA	17444	17444	17000	25817365	5081	--	--	--	--	--
Lead	mg/kg	0-0.5	399 / 401	100	1.1	920	0.55	2.75	16.03	15.95	6.8	3549	59.57	X	28.9	95% KM (Chebyshev) UCL	15.4	Bootstrap BCA 95UCL
Manganese	mg/kg	0-0.5	87 / 87	100	67.4	1300	NA	NA	274	274	250	22638	150.5	--	--	--	--	--
Mercury	mg/kg	0-0.5	27 / 400	7	0.1	35	0.0095	0.07	1.548	0.113	0.18	44.73	6.688	X	0.502	95% KM (Chebyshev) UCL	0.318	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-0.5	43 / 400	11	1	20	0.5	2.75	3.814	0.858	1.6	22.16	4.707	--	--	--	--	--
Nickel	mg/kg	0-0.5	452 / 455	99	0.28	75	2.2	2.45	15.72	15.62	13.1	87.37	9.347	--	--	--	--	--
Selenium	mg/kg	0-0.5	3 / 400	1	1.1	9.1	0.5	2.75	4.033	0.527	1.9	19.41	4.406	--	--	--	--	--
Silver	mg/kg	0-0.5	0 / 400	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-0.5	1 / 400	0	2.4	2.4	1	5.5	2.4	1.004	2.4	NA	NA	X	2.4	Max Detect	2.4	Max Detect
Vanadium	mg/kg	0-0.5	400 / 400	100	12	100	NA	NA	32.03	32.03	30	153.4	12.39	--	--	--	--	--
Zinc	mg/kg	0-0.5	455 / 455	100	11.3	1200	NA	NA	73.18	73.18	44	14984	122.4	X	98.2	95% Chebyshev (Mean, Sd) UCL	62.5	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-0.5	0 / 15	0	NA	NA	23	45	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Chloro methane	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Chloroform	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Ethyl- benzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-0.5	0 / 10	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl ethyl ketone	µg/kg	0-0.5	0 / 15	0	NA	NA	23	45	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, m,p-	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-0.5	0 / 15	0	NA	NA	2.3	4.5	NA	NA	NA	NA	NA	--	--	--	--	--

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-0.5	1 / 201	0	430	430	165	41500	430	166.4	430	NA	NA	X	430	Max Detect	430	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-0.5	2 / 201	1	640	2000	165	41500	1320	176.8	1320	924800	961.7	X	2000	Max Detect	2000	Max Detect
Butylbenzylphthalate	µg/kg	0-0.5	0 / 201	0	NA	NA	165	41500	NA	NA	NA	NA	NA	--	--	--	--	--
Di-n-butyl phthalate	µg/kg	0-0.5	0 / 201	0	NA	NA	165	41500	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-0.5	1 / 201	0	2800	2800	165	41500	2800	178.2	2800	NA	NA	X	2800	Max Detect	2800	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-0.5	157 / 374	42	5.1	3880	0	0	108.9	45.72	19	131194	362.2	X	170	99% KM (Chebyshev) UCL	42.8	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-0.5	252 / 374	67	5	32900	0	0	1061	714.7	148.5	12514761	3538	X	2231	99% KM (Chebyshev) UCL	542	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-0.5	5 / 366	1	5.9	160	2.5	125	52.38	3.183	8.8	4648	68.18	X	4.07	95% KM (t) UCL	3.79	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-0.5	9 / 371	2	7.5	120	2.5	175	31.2	3.211	10	1830	42.78	X	5.09	95% KM (Chebyshev) UCL	20.3	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-0.5	8 / 371	2	5.1	51	2.5	175	15.01	2.776	8.4	239.1	15.46	X	2.72	KM H-UCL	19.8	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-0.5	6 / 371	2	6	26	2.5	175	13.08	2.675	7.7	94.05	9.698	X	2.84	95% KM (t) UCL	19.5	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-0.5	32 / 371	9	5	710	2.5	175	48.82	6.531	18.5	15246	123.5	X	4.03	KM H-UCL	21.6	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-0.5	176 / 373	47	5	3400	2.5	1900	120.7	58.65	17.5	114587	338.5	X	113	95% KM (Chebyshev) UCL	62.5	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-0.5	181 / 373	49	5	4400	2.5	175	131.8	65.63	20	175171	418.5	X	133	95% KM (Chebyshev) UCL	64.7	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-0.5	219 / 374	59	5	15000	2.5	175	233.9	138.5	28	1195060	1093	X	329	95% KM (Chebyshev) UCL	144	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-0.5	172 / 372	46	5	1500	2.5	1900	66.28	32.51	14	35736	189	X	62.5	95% KM (Chebyshev) UCL	43	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-0.5	169 / 373	45	5.1	5800	2.5	260	114.5	53.67	18	234632	484.4	X	128	95% KM (Chebyshev) UCL	67.2	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-0.5	213 / 373	57	5.1	5200	2.5	175	150.4	87.25	22	244315	494.3	X	173	95% KM (Chebyshev) UCL	81	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-0.5	54 / 371	15	5	530	2.5	1900	38.95	7.968	12	7552	86.9	X	16.1	95% KM (Chebyshev) UCL	30.5	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-0.5	236 / 374	63	5.1	8600	2.5	175	213.5	136	29.5	502656	709	X	265	95% KM (Chebyshev) UCL	128	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-0.5	5 / 371	1	6.6	14	2.5	175	9.7	2.6	9.2	7.25	2.693	X	2.69	95% KM (t) UCL	19.3	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-0.5	156 / 371	42	5.1	1200	2.5	1900	64.97	29.24	14	28802	169.7	X	55.2	95% KM (Chebyshev) UCL	41.5	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-0.5	11 / 371	3	5	18	2.3	125	9.791	2.526	8.6	21.04	4.587	X	2.66	95% KM (t) UCL	4.21	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-0.5	153 / 373	41	5.1	3100	2.5	175	95.35	40.74	18	92439	304	X	85.9	95% KM (Chebyshev) UCL	52	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-0.5	229 / 374	61	5	6600	2.5	175	196.9	121.8	28	362701	602.2	X	230	95% KM (Chebyshev) UCL	113	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-0.5	252 / 374	67	5.8	8200	5.8	400	156.4	107.7	23	383022	618.9	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-0.5	3 / 117	3	2.9	6.1	1	2	4.067	1.079	3.2	3.123	1.767	X	6.1	Max Detect	6.1	Max Detect
4,4-DDT	µg/kg	0-0.5	1 / 117	1	3	3	1	2	3	1.017	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-0.5	1 / 117	1	12	12	0.5	1	12	0.598	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-0.5	1 / 117	1	6.7	6.7	1	2	6.7	1.049	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-0.5	1 / 117	1	13	13	0.5	1	13	0.607	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-0.5	151 / 305	50	17	6280	0	49.5	370.1	183.9	122	573419	757.2	X	505	99% KM (Chebyshev) UCL	125	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-0.5	233 / 234	100	0.021	12000	0.47	0.47	106.8	106.4	10	640053	800	X	103	KM H-UCL	210	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-0.5	233 / 234	100	0.025	11000	0.71	0.71	82.43	82.08	6.6	525680	725	X	61.2	KM H-UCL	207	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-0.5	233 / 234	100	0.021	12000	0.47	0.47	106.8	106.4	10	640053	800	X	103	KM H-UCL	213	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-0.5	36 / 234	15	0.11	67	0.005	5	4.877	0.76	1	138.9	11.79	X	0.186	KM H-UCL	1.18	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-0.5	49 / 222	22	10	4000	5	107	169.4	41.34	21	412020	641.9	X	132	95% KM (Chebyshev) UCL	53.7	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-0.5	0 / 2	0	NA	NA	0.8	1.1	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-0.5	135 / 222	61	10	8900	5	50.5	183.1	113.5	31.1	765139	874.7	X	315	95% KM (Chebyshev) UCL	117	Bootstrap BCA 95UCL

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Miscellaneous																		
Chloride	mg/kg	0-0.5	4 / 5	80	5.9	227	2	2	71.48	57.58	26.5	11098	105.3	X	227	Max Detect	227	Max Detect
Nitrate	mg/kg	0-0.5	2 / 2	100	8	54	NA	NA	31	31	31	1058	32.53	X	54	Max Detect	54	Max Detect
Phosphate	mg/kg	0-0.5	2 / 2	100	161	358	NA	NA	259.5	259.5	259.5	19405	139.3	X	358	Max Detect	358	Max Detect
Sulfate	mg/kg	0-0.5	5 / 5	100	13.3	1010	NA	NA	302.9	302.9	27.4	190824	436.8	X	1010	Max Detect	1010	Max Detect
Soil Depth Interval: 0-3 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-3	84 / 84	100	3000	20000	NA	NA	8640	8640	8400	9062969	3010	--	--	--	--	--
Antimony	mg/kg	0-3	10 / 411	2	1.77	19	0.2	5.5	6.15	0.345	3.1	34.93	5.91	X	0.477	95% KM Approximate Gamma UCL	1.37	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-3	343 / 411	83	0.833	21	0.5	2.75	4.249	3.634	3.73	5.166	2.273	--	--	--	--	--
Barium	mg/kg	0-3	411 / 411	100	35.3	1300	NA	NA	172.6	172.6	140	15097	122.9	--	--	--	--	--
Beryllium	mg/kg	0-3	0 / 411	0	NA	NA	0.05	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-3	28 / 411	7	0.3	7.1	0.5	4.9	1.631	0.392	1.315	1.875	1.369	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-3	231 / 478	48	0.0542	1800	0.025	2	12.11	5.877	0.8	14182	119.1	X	22.4	95% KM (Chebyshev) UCL	12.4	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-3	479 / 479	100	5.63	4000	NA	NA	96.83	96.83	27.7	97339	312	X	159	95% Chebyshev (Mean, Sd) UCL	73.4	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-3	407 / 410	99	2.37	20	2.2	2.45	7.48	7.441	7.23	6.907	2.628	--	--	--	--	--
Copper	mg/kg	0-3	476 / 476	100	1.8	2070	NA	NA	32.22	32.22	12.3	19179	138.5	X	59.9	95% Chebyshev (Mean, Sd) UCL	31	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-3	1 / 80	1	0.22	0.22	0.05	3.35	0.22	0.0585	0.22	NA	NA	X	0.22	Max Detect	0.22	Max Detect
Iron	mg/kg	0-3	95 / 95	100	540	32000	NA	NA	17181	17181	17000	29228618	5406	--	--	--	--	--
Lead	mg/kg	0-3	410 / 412	100	0.733	1600	0.5	2.75	18.89	18.81	6.385	8120	90.11	X	38.1	95% KM (Chebyshev) UCL	37.4	Bootstrap BCA 95UCL
Manganese	mg/kg	0-3	90 / 90	100	67.4	1300	NA	NA	273.1	273.1	250	22276	149.2	--	--	--	--	--
Mercury	mg/kg	0-3	35 / 412	8	0.07	60.3	0.0095	0.07	2.621	0.231	0.157	115.9	10.77	X	0.924	95% KM (Chebyshev) UCL	0.502	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-3	74 / 411	18	0.63	21.3	0.5	2.75	3.02	0.959	1.4	19.3	4.393	--	--	--	--	--
Nickel	mg/kg	0-3	473 / 476	99	0.28	270	2.2	2.45	16.33	16.23	13.7	227.6	15.09	--	--	--	--	--
Selenium	mg/kg	0-3	8 / 411	2	0.7	9.1	0.5	2.75	3.009	0.549	1.65	9.103	3.017	--	--	--	--	--
Silver	mg/kg	0-3	0 / 411	0	NA	NA	0.125	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-3	5 / 411	1	1.37	6.1	0.5	5.5	2.474	0.526	1.52	4.16	2.04	X	0.525	KM H-UCL	1.25	Bootstrap BCA 95UCL
Vanadium	mg/kg	0-3	411 / 411	100	12.3	100	NA	NA	32.17	32.17	30.3	143.3	11.97	--	--	--	--	--
Zinc	mg/kg	0-3	476 / 476	100	8.08	2000	NA	NA	76.01	76.01	44.7	19134	138.3	X	104	95% Chebyshev (Mean, Sd) UCL	67.9	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-3	0 / 131	0	NA	NA	19	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-3	2 / 167	1	23	26	1.9	550	24.5	2.172	24.5	4.5	2.121	X	26	Max Detect	26	Max Detect
Chloro methane	µg/kg	0-3	3 / 167	2	5.5	11	1.9	550	8.567	2.021	9.2	7.863	2.804	X	11	Max Detect	11	Max Detect
Chloroform	µg/kg	0-3	1 / 167	1	11	11	1.9	550	11	1.955	11	NA	NA	X	11	Max Detect	11	Max Detect
Ethyl- benzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-3	3 / 71	4	6.6	17	1.9	9.5	11.87	2.323	12	27.05	5.201	X	17	Max Detect	17	Max Detect
Methyl ethyl ketone	µg/kg	0-3	0 / 167	0	NA	NA	19	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Xylene, m,p-	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-3	0 / 167	0	NA	NA	1.9	550	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-3	2 / 208	1	214	345	165	27900	279.5	166.2	279.5	8581	92.63	X	345	Max Detect	345	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-3	4 / 208	2	354	2000	165	27900	804	177.8	431	638792	799.2	X	177	KM H-UCL	584	Bootstrap BCA 95UCL
Butylbenzylphthalate	µg/kg	0-3	0 / 208	0	NA	NA	165	27900	NA	NA	NA	NA	NA	--	--	--	--	--
Di-n-butyl phthalate	µg/kg	0-3	0 / 208	0	NA	NA	165	27900	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-3	2 / 208	1	1040	28600	165	10500	14820	306	14820	380000000	19488	X	28600	Max Detect	28600	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-3	179 / 383	47	1.67	2600	0	0	81.75	38.21	15	60479	245.9	X	126	99% KM (Chebyshev) UCL	30.8	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-3	275 / 383	72	1.08	22900	0	0	813.7	584.2	121	6288105	2508	X	1680	99% KM (Chebyshev) UCL	385	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-3	8 / 373	2	4.13	180	2.5	85.9	37.24	3.247	12.8	3616	60.13	X	4.26	95% KM Approximate Gamma UCL	3.62	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-3	11 / 380	3	5.85	160	2.5	175	28.97	3.285	11	2150	46.37	X	5.37	95% KM (Chebyshev) UCL	19.8	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-3	9 / 380	2	3.73	34.9	2.5	175	10.92	2.705	6.38	110.9	10.53	X	2.68	KM H-UCL	19.6	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-3	8 / 380	2	3.4	18.2	2.5	175	8.391	2.628	6.05	35.46	5.955	X	2.73	95% KM Approximate Gamma UCL	19.6	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-3	37 / 380	10	3.97	476	2.5	175	33.84	5.59	13.5	6057	77.82	X	3.92	KM H-UCL	20.6	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-3	196 / 382	51	3.5	2450	2.5	1270	94.64	50.16	15.85	61298	247.6	X	91.1	95% KM (Chebyshev) UCL	49.1	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-3	199 / 382	52	3.6	2930	2.5	175	100	53.74	18.1	82603	287.4	X	101	95% KM (Chebyshev) UCL	52.6	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-3	241 / 383	63	3.37	10000	2.5	175	173.9	110.8	23.7	517409	719.3	X	239	95% KM (Chebyshev) UCL	103	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-3	191 / 381	50	3.47	1400	2.5	1270	52.82	28.21	12.7	21570	146.9	X	52.2	95% KM (Chebyshev) UCL	37.3	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-3	186 / 382	49	4.13	3870	2.5	175	86.25	43.71	16.35	104942	323.9	X	95	95% KM (Chebyshev) UCL	51.2	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-3	232 / 382	61	3.2	3470	2.5	175	113	69.98	18.35	113375	336.7	X	130	95% KM (Chebyshev) UCL	61.6	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-3	62 / 380	16	3.67	356	2.5	1270	30.28	7.204	10.75	4020	63.4	X	13.4	95% KM (Chebyshev) UCL	26.8	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-3	259 / 383	68	3.83	5950	2.5	175	167.3	114.2	24.2	255463	505.4	X	208	95% KM (Chebyshev) UCL	93.5	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-3	5 / 380	1	5.25	14	2.5	175	8.086	2.576	7	11.59	3.405	X	2.65	95% KM (t) UCL	19.9	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-3	174 / 380	46	3.37	1100	2.5	1270	50.36	24.9	11.5	16535	128.6	X	45.1	95% KM (Chebyshev) UCL	35.6	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-3	14 / 380	4	3.6	21.3	2.33	165	7.666	2.531	6	21.89	4.679	X	2.65	95% KM Approximate Gamma UCL	4.39	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-3	175 / 382	46	3.4	2080	2.5	175	72.28	34.63	13.8	43425	208.4	X	67	95% KM (Chebyshev) UCL	42	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-3	249 / 383	65	3.5	4600	2.5	175	154.5	101.7	23	192500	438.7	X	182	95% KM (Chebyshev) UCL	81.3	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-3	276 / 383	72	5.8	5470	5.8	400	121.7	89.79	19.75	176505	420.1	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-3	4 / 121	3	2.9	6.1	1	1.67	4.15	1.104	3.8	2.11	1.453	X	1.21	95% KM (t) UCL	1.18	Bootstrap BCA 95UCL
4,4-DDT	µg/kg	0-3	1 / 121	1	3	3	1	1.67	3	1.017	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-3	1 / 121	1	12	12	0.5	0.833	12	0.595	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-3	1 / 121	1	6.7	6.7	1	1.67	6.7	1.047	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-3	1 / 121	1	13	13	0.5	0.833	13	0.603	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-3	158 / 309	51	14.2	6280	0	41.5	348.8	179.6	105.5	554486	744.6	X	497	99% KM (Chebyshev) UCL	112	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-3	238 / 239	100	0.021	8000	0.47	0.47	89.3	88.92	11.5	289151	537.7	X	114	KM H-UCL	148	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-3	238 / 239	100	0.025	7340	0.71	0.71	68.29	68	7.015	233553	483.3	X	69.7	KM H-UCL	135	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-3	238 / 239	100	0.021	8000	0.47	0.47	89.3	88.92	11.5	289151	537.7	X	114	KM H-UCL	142	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-3	46 / 239	19	0.11	44.7	0.005	5	3.866	0.756	0.915	62.99	7.937	X	0.317	KM H-UCL	1.05	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
TPH as diesel	mg/kg	0-3	70 / 231	30	5.92	2670	5	107	103.9	35.01	15.35	130234	360.9	X	93.5	95% KM (Chebyshev) UCL	33.6	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-3	0 / 193	0	NA	NA	0.35	80	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-3	163 / 229	71	6.67	5940	5	35.3	144.7	104.5	27.7	291024	539.5	X	237	95% KM (Chebyshev) UCL	78	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-3	6 / 7	86	3.7	227	2	2	85.43	73.51	26.5	11936	109.3	X	227	Max Detect	227	Max Detect
Nitrate	mg/kg	0-3	3 / 3	100	8	54	NA	NA	26.33	26.33	17	594.3	24.38	X	54	Max Detect	54	Max Detect
Phosphate	mg/kg	0-3	3 / 3	100	64.2	358	NA	NA	194.4	194.4	161	22416	149.7	X	358	Max Detect	358	Max Detect
Sulfate	mg/kg	0-3	7 / 7	100	7.3	1010	NA	NA	301	301	27.4	155038	393.7	X	1010	Max Detect	1010	Max Detect
Soil Depth Interval: 0-6 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-6	84 / 84	100	3000	20000	NA	NA	8648	8648	8400	9285750	3047	--	--	--	--	--
Antimony	mg/kg	0-6	13 / 421	3	1.71	10	0.2	5.5	4.82	0.343	3.5	8.319	2.884	X	0.422	95% KM (t) UCL	1.23	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-6	355 / 421	84	0.667	19	0.5	2.75	4.247	3.664	3.68	5.875	2.424	--	--	--	--	--
Barium	mg/kg	0-6	421 / 421	100	32	1300	NA	NA	171.6	171.6	139	15987	126.4	--	--	--	--	--
Beryllium	mg/kg	0-6	0 / 421	0	NA	NA	0.05	3.52	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-6	30 / 421	7	0.3	3.8	0.5	4.9	1.398	0.379	1.21	0.539	0.734	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-6	249 / 492	51	0.0279	908	0.025	2	8.38	4.265	0.75	3510	59.24	X	12.6	95% KM (Chebyshev) UCL	6.73	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-6	493 / 493	100	5.67	4400	NA	NA	118.9	118.9	26.7	167471	409.2	X	199	95% Chebyshev (Mean, Sd) UCL	75.9	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-6	417 / 420	99	2.2	20	2.2	2.45	7.524	7.486	7.3	6.372	2.524	--	--	--	--	--
Copper	mg/kg	0-6	488 / 488	100	2.2	1040	NA	NA	28.17	28.17	12.3	7924	89.02	X	45.7	95% Chebyshev (Mean, Sd) UCL	24.2	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-6	1 / 80	1	0.22	0.22	0.05	3.35	0.22	0.0585	0.22	NA	NA	X	0.22	Max Detect	0.22	Max Detect
Iron	mg/kg	0-6	97 / 97	100	425	32000	NA	NA	16917	16917	17000	33072365	5751	--	--	--	--	--
Lead	mg/kg	0-6	420 / 422	100	1.01	803	0.5	2.75	15.06	15	5.985	2535	50.35	X	25.7	95% KM (Chebyshev) UCL	21.7	Bootstrap BCA 95UCL
Manganese	mg/kg	0-6	91 / 91	100	67.4	1300	NA	NA	271.8	271.8	250	22742	150.8	--	--	--	--	--
Mercury	mg/kg	0-6	40 / 422	9	0.06	102	0.0095	0.07	3.082	0.301	0.16	260.7	16.15	X	1.37	95% KM (Chebyshev) UCL	0.809	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-6	103 / 422	24	0.6	34	0.5	3.52	2.664	1.036	1.23	18.75	4.33	--	--	--	--	--
Nickel	mg/kg	0-6	485 / 488	99	0.28	140	2.2	2.45	16.04	15.95	13.3	130.1	11.4	--	--	--	--	--
Selenium	mg/kg	0-6	11 / 421	3	0.683	9.1	0.5	2.75	2.541	0.554	1.5	7.052	2.656	--	--	--	--	--
Silver	mg/kg	0-6	0 / 421	0	NA	NA	0.125	3.52	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-6	5 / 421	1	1.71	6.1	0.5	7.1	2.792	0.529	1.85	3.536	1.881	X	0.555	95% KM Approximate Gamma UCL	1.25	Bootstrap BCA 95UCL
Vanadium	mg/kg	0-6	421 / 421	100	12.2	100	NA	NA	32.59	32.59	30.7	144.1	12	--	--	--	--	--
Zinc	mg/kg	0-6	488 / 488	100	4.46	1020	NA	NA	71.67	71.67	44.3	10539	102.7	X	91.9	95% Chebyshev (Mean, Sd) UCL	62	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-6	0 / 140	0	NA	NA	19.3	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-6	2 / 172	1	19.6	23.5	1.92	550	21.55	2.151	21.55	7.605	2.758	X	23.5	Max Detect	23.5	Max Detect
Chloro methane	µg/kg	0-6	3 / 172	2	5.14	10.1	1.92	550	7.773	2.024	8.08	6.221	2.494	X	10.1	Max Detect	10.1	Max Detect
Chloroform	µg/kg	0-6	1 / 172	1	9.89	9.89	1.92	550	9.89	1.967	9.89	NA	NA	X	9.89	Max Detect	9.89	Max Detect
Ethyl- benzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-6	3 / 71	4	6.6	17	1.9	9.5	11.87	2.323	12	27.05	5.201	X	17	Max Detect	17	Max Detect
Methyl ethyl ketone	µg/kg	0-6	0 / 172	0	NA	NA	19.2	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
N-Propylbenzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, m,p-	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-6	0 / 172	0	NA	NA	1.92	550	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-6	2 / 213	1	263	313	165	28000	288	166.2	288	1250	35.36	X	313	Max Detect	313	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-6	5 / 213	2	199	2000	165	28000	770	179.8	595	517686	719.5	X	197	95% KM (t) UCL	622	Bootstrap BCA 95UCL
Butylbenzylphthalate	µg/kg	0-6	0 / 213	0	NA	NA	165	28000	NA	NA	NA	NA	NA	--	--	--	--	--
Di-n-butyl phthalate	µg/kg	0-6	0 / 213	0	NA	NA	165	28000	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-6	2 / 213	1	604	28300	165	10500	14452	299.2	14452	384000000	19584	X	28300	Max Detect	28300	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-6	184 / 392	47	0.833	1340	0	0	63.9	30	12	27566	166	X	89.4	99% KM (Chebyshev) UCL	20.7	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-6	281 / 392	72	1.9	13400	0	0	618.3	443.2	99.2	2876624	1696	X	1178	99% KM (Chebyshev) UCL	268	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-6	8 / 382	2	3.77	200	2.5	86.7	40.61	3.3	20.25	4313	65.68	X	4.4	95% KM Approximate Gamma UCL	3.45	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-6	11 / 389	3	4.2	200	2.5	175	31.88	3.341	12	3257	57.07	X	4.41	95% KM Approximate Gamma UCL	19.6	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-6	10 / 389	3	3.4	22	2.5	175	8.91	2.669	4.97	51.05	7.145	X	3.02	95% KM (Chebyshev) UCL	19	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-6	8 / 389	2	3.77	10.4	2.5	175	5.984	2.574	4.725	7.42	2.724	X	2.63	95% KM Approximate Gamma UCL	19	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-6	42 / 389	11	3.4	241	2.5	175	23.59	4.813	10.5	1612	40.15	X	3.8	KM H-UCL	19.9	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-6	201 / 391	51	3.4	1410	2.5	635	76.21	40.72	13.5	32644	180.7	X	70.4	95% KM (Chebyshev) UCL	40.1	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-6	205 / 391	52	2.93	1470	2.5	175	73.38	40.05	15.3	32175	179.4	X	69.7	95% KM (Chebyshev) UCL	41.5	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-6	249 / 392	64	2.75	5000	2.5	175	124.6	80.52	20.7	161789	402.2	X	152	95% KM (Chebyshev) UCL	70.1	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-6	195 / 390	50	2.83	1400	2.5	635	42.08	22.7	11	14719	121.3	X	42.2	95% KM (Chebyshev) UCL	31.6	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-6	191 / 391	49	3.43	1940	2.5	175	62.84	32.33	13.7	37279	193.1	X	62.8	95% KM (Chebyshev) UCL	37.3	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-6	239 / 391	61	3	1740	2.5	175	83.42	52.28	16.3	42847	207	X	89	95% KM (Chebyshev) UCL	46.5	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-6	67 / 389	17	3.37	340	2.5	635	23.99	6.354	9.03	2313	48.09	X	11.2	95% KM (Chebyshev) UCL	22.9	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-6	263 / 392	67	2.96	3200	2.5	175	131.9	89.56	22.9	123815	351.9	X	154	95% KM (Chebyshev) UCL	70	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-6	7 / 389	2	3.02	14	2.5	175	6.389	2.572	4.79	15.27	3.908	X	2.63	95% KM Approximate Gamma UCL	18.9	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-6	177 / 389	46	3.33	1100	2.5	635	40.16	20.03	10	10718	103.5	X	36.1	95% KM (Chebyshev) UCL	30.1	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-6	14 / 389	4	3.29	26.7	2.15	165	6.954	2.326	5.6	33.8	5.814	X	2.49	95% KM (BCA) UCL	4.19	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-6	180 / 391	46	3.16	1200	2.5	175	56.22	27.38	12	20482	143.1	X	49.6	95% KM (Chebyshev) UCL	33.6	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-6	253 / 392	65	3.06	2500	2.5	175	121.9	79.89	21.9	99693	315.7	X	137	95% KM (Chebyshev) UCL	62.6	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-6	282 / 392	72	5.8	2740	5.8	400	91.45	67.87	18.6	65414	255.8	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-6	5 / 122	4	1.29	6.1	1	1.4	3.244	1.092	2.9	3.09	1.758	X	1.18	95% KM (t) UCL	1.16	Bootstrap BCA 95UCL
4,4-DDT	µg/kg	0-6	1 / 122	1	3	3	1	1.4	3	1.016	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-6	1 / 122	1	12	12	0.5	0.7	12	0.594	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-6	1 / 122	1	6.7	6.7	1	1.4	6.7	1.047	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-6	1 / 122	1	13	13	0.5	0.7	13	0.602	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-6	161 / 314	51	11.3	6280	0	38	321.7	166.5	93	529204	727.5	X	473	99% KM (Chebyshev) UCL	104	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-6	244 / 245	100	0.021	4010	0.47	0.47	75.59	75.28	10.5	90998	301.7	X	118	KM H-UCL	98.9	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-6	244 / 245	100	0.025	3670	0.71	0.71	55.38	55.15	6.8	65045	255	X	72.5	KM H-UCL	72.9	Bootstrap BCA 95UCL

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
TEQ Mammals	ng/kg	0-6	244 / 245	100	0.021	4010	0.47	0.47	75.59	75.28	10.5	90998	301.7	X	118	KM H-UCL	99.4	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-6	50 / 245	20	0.0751	22.4	0.005	5	2.973	0.618	0.756	27.31	5.226	X	0.329	KM H-UCL	0.837	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-6	77 / 236	33	5.46	1340	5	107	80.95	29.82	15.7	48232	219.6	X	66.8	95% KM (Chebyshev) UCL	21.8	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-6	0 / 198	0	NA	NA	0.35	80	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-6	176 / 234	75	5.46	2980	5	20.2	130.5	99.43	25.95	138195	371.7	X	193	95% KM (Chebyshev) UCL	75	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-6	8 / 9	89	3.7	3010	2	2	444.6	395.4	40	1083365	1041	X	3010	UCL>Max: Max Detect	1395	Bootstrap BCA 95UCL
Nitrate	mg/kg	0-6	5 / 5	100	6	54	NA	NA	22.8	22.8	17	386.7	19.66	X	54	Max Detect	54	Max Detect
Phosphate	mg/kg	0-6	5 / 5	100	8.8	358	NA	NA	120.5	120.5	64.2	21437	146.4	X	358	Max Detect	358	Max Detect
Sulfate	mg/kg	0-6	9 / 9	100	7.3	1630	NA	NA	421.1	421.1	53	328526	573.2	X	1630	UCL>Max: Max Detect	858	Bootstrap BCA 95UCL
Soil Depth Interval: 0-10 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-10	84 / 84	100	3000	20000	NA	NA	8667	8667	8400	9407032	3067	--	--	--	--	--
Antimony	mg/kg	0-10	14 / 433	3	1.71	7.75	0.2	5.5	3.897	0.32	3.65	3.227	1.796	X	0.38	95% KM (t) UCL	1.16	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-10	368 / 433	85	0.57	19	0.5	2.75	4.145	3.603	3.68	5.103	2.259	--	--	--	--	--
Barium	mg/kg	0-10	446 / 446	100	22	1300	NA	NA	165.7	165.7	130	15965	126.4	--	--	--	--	--
Beryllium	mg/kg	0-10	0 / 433	0	NA	NA	0.05	2.94	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-10	32 / 433	7	0.3	2.48	0.5	4.9	1.2	0.368	1.16	0.226	0.475	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-10	256 / 507	50	0.0355	550	0.025	2	6.91	3.513	0.693	1407	37.51	X	8.72	95% KM (Chebyshev) UCL	4.71	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-10	508 / 508	100	2.9	4400	NA	NA	123.3	123.3	26	195693	442.4	X	209	95% Chebyshev (Mean, Sd) UCL	75.7	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-10	429 / 432	99	1.7	20	2.2	2.45	7.589	7.548	7.4	6.095	2.469	--	--	--	--	--
Copper	mg/kg	0-10	499 / 501	100	2.2	790	1	5	24.91	24.82	12	4384	66.21	X	37.7	95% KM (Chebyshev) UCL	20.8	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-10	1 / 80	1	0.22	0.22	0.05	3.35	0.22	0.0585	0.22	NA	NA	X	0.22	Max Detect	0.22	Max Detect
Iron	mg/kg	0-10	110 / 110	100	425	32000	NA	NA	16480	16480	17000	32713149	5720	--	--	--	--	--
Lead	mg/kg	0-10	445 / 447	100	0.82	484	0.5	2.75	12.18	12.13	5.3	1128	33.59	X	19	95% KM (Chebyshev) UCL	15	Bootstrap BCA 95UCL
Manganese	mg/kg	0-10	104 / 104	100	67.4	1300	NA	NA	263	263	249	20529	143.3	--	--	--	--	--
Mercury	mg/kg	0-10	43 / 434	10	0.063	71.9	0.0095	0.07	2.067	0.213	0.127	120.1	10.96	X	0.947	95% KM (Chebyshev) UCL	0.568	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-10	118 / 449	26	0.071	22	0.1	2.94	2.635	0.781	1.31	13.3	3.647	--	--	--	--	--
Nickel	mg/kg	0-10	498 / 501	99	0.28	87.8	2.2	2.45	15.88	15.79	13.3	97.12	9.855	--	--	--	--	--
Selenium	mg/kg	0-10	13 / 433	3	0.61	9.1	0.5	2.75	2.415	0.558	1.47	5.992	2.448	--	--	--	--	--
Silver	mg/kg	0-10	0 / 433	0	NA	NA	0.125	2.94	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-10	6 / 433	1	1.12	6.1	0.5	5.86	2.458	0.529	1.955	3.293	1.815	X	0.528	KM H-UCL	1.25	Bootstrap BCA 95UCL
Vanadium	mg/kg	0-10	446 / 446	100	9.2	100	NA	NA	32.53	32.53	30.9	138.6	11.77	--	--	--	--	--
Zinc	mg/kg	0-10	501 / 501	100	6.4	1000	NA	NA	68.34	68.34	43.8	7782	88.22	X	85.5	95% Chebyshev (Mean, Sd) UCL	59.2	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-10	0 / 147	0	NA	NA	19.5	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-10	2 / 180	1	12.7	17.7	1.94	550	15.2	2.089	15.2	12.5	3.536	X	17.7	Max Detect	17.7	Max Detect
Chloro methane	µg/kg	0-10	3 / 180	2	4.41	7.94	1.94	550	6.06	2.011	5.83	3.155	1.776	X	7.94	Max Detect	7.94	Max Detect
Chloroform	µg/kg	0-10	1 / 180	1	7.53	7.53	1.94	550	7.53	1.972	7.53	NA	NA	X	7.53	Max Detect	7.53	Max Detect
Ethyl- benzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-10	3 / 71	4	6.6	17	1.9	9.5	11.87	2.323	12	27.05	5.201	X	17	Max Detect	17	Max Detect

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Methyl ethyl ketone	µg/kg	0-10	0 / 180	0	NA	NA	19.4	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, m,p-	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-10	0 / 180	0	NA	NA	1.94	550	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-10	2 / 221	1	225	254	165	16900	239.5	165.7	239.5	420.5	20.51	X	254	Max Detect	254	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-10	5 / 221	2	247	2000	165	16900	738.8	178.4	506	529820	727.9	X	195	95% KM (t) UCL	517	Bootstrap BCA 95UCL
Butylbenzylphthalate	µg/kg	0-10	1 / 221	0	12900	12900	165	16900	12900	222.9	12900	NA	NA	X	12900	Max Detect	12900	Max Detect
Di-n-butyl phthalate	µg/kg	0-10	0 / 221	0	NA	NA	165	16900	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-10	2 / 221	1	429	17100	165	10500	8765	242.8	8765	139000000	11788	X	17100	Max Detect	17100	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-10	186 / 401	46	0.5	1340	0	0	55.97	25.96	10.2	23741	154.1	X	79.9	99% KM (Chebyshev) UCL	19.5	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-10	283 / 401	71	1.14	10200	0	0	511	360.6	81.4	1948285	1396	X	955	99% KM (Chebyshev) UCL	211	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-10	8 / 391	2	3.28	208	2.5	53	41.69	3.303	15.45	4724	68.73	X	4.42	95% KM Approximate Gamma UCL	3.37	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-10	13 / 398	3	2.8	216	2.5	175	29.86	3.404	12	3290	57.36	X	4.55	95% KM Approximate Gamma UCL	19.3	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-10	10 / 398	3	3.06	31.1	2.5	175	9.53	2.681	4.88	92.06	9.595	X	3.11	95% KM (Chebyshev) UCL	18.9	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-10	8 / 398	2	3.28	7.32	2.5	175	4.788	2.548	3.855	2.965	1.722	X	2.58	95% KM (t) UCL	18.8	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-10	43 / 398	11	3.12	145	2.5	175	20.89	4.526	9.7	976.3	31.25	X	3.68	KM H-UCL	19.7	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-10	204 / 400	51	2.81	1000	2.5	382	64.75	34.52	11.2	23426	153.1	X	59.3	95% KM (Chebyshev) UCL	34.9	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-10	206 / 400	52	2.97	920	2.5	175	59.04	31.94	12.7	18794	137.1	X	54.3	95% KM (Chebyshev) UCL	35	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-10	249 / 401	62	3.06	3000	2.5	175	100.1	63.5	18.1	79724	282.4	X	113	95% KM (Chebyshev) UCL	55.7	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-10	196 / 399	49	3.02	1400	2.5	382	36.68	19.63	9.12	13339	115.5	X	37.7	95% KM (Chebyshev) UCL	29.5	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-10	192 / 400	48	3.1	1400	2.5	175	50.34	25.76	11.1	21521	146.7	X	48.5	95% KM (Chebyshev) UCL	31.7	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-10	242 / 400	61	3.05	1200	2.5	175	67.39	42.04	13.4	25730	160.4	X	70.1	95% KM (Chebyshev) UCL	39.6	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-10	67 / 398	17	3.02	340	2.5	382	21.51	5.834	8.5	2030	45.05	X	10.2	95% KM (Chebyshev) UCL	21.8	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-10	265 / 401	66	2.81	2400	2.5	175	111.9	75.06	18	88381	297.3	X	129	95% KM (Chebyshev) UCL	58.8	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-10	8 / 398	2	3.07	17.2	2.5	175	6.624	2.585	3.86	31.52	5.614	X	2.81	95% KM (Chebyshev) UCL	19.1	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-10	178 / 398	45	3.02	1100	2.5	382	34.83	17.29	8.65	9527	97.61	X	32	95% KM (Chebyshev) UCL	27.7	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-10	16 / 398	4	2.81	28.8	2.07	165	6.134	2.237	4.545	38.21	6.182	X	2.57	95% KM (Chebyshev) UCL	4.14	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-10	181 / 400	45	2.92	1200	2.5	175	49.03	23.69	10.9	17705	133.1	X	43.9	95% KM (Chebyshev) UCL	31.9	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-10	256 / 401	64	2.81	2200	2.5	175	102.7	66.76	18.4	73984	272	X	115	95% KM (Chebyshev) UCL	53.1	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-10	285 / 401	71	5.8	1640	5.41	400	74.73	55.12	16.1	37683	194.1	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-10	5 / 124	4	1.34	6.1	1	1.41	3.12	1.086	2.9	3.307	1.818	X	1.17	95% KM (t) UCL	1.16	Bootstrap BCA 95UCL
4,4-DDT	µg/kg	0-10	1 / 124	1	3	3	1	1.41	3	1.016	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-10	1 / 124	1	12	12	0.5	0.7	12	0.593	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-10	1 / 124	1	6.7	6.7	1	1.41	6.7	1.046	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-10	1 / 124	1	13	13	0.5	0.7	13	0.601	13	NA	NA	X	13	Max Detect	13	Max Detect

Table OCS-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS (Including BCW) (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC/ COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-10	161 / 317	51	10.2	6280	0	38	306.5	157.3	84.2	521878	722.4	X	457	99% KM (Chebyshev) UCL	99.2	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-10	247 / 248	100	0.021	2410	0.47	0.47	63.71	63.45	9.1	45992	214.5	X	111	KM H-UCL	78.9	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-10	247 / 248	100	0.025	2200	0.71	0.71	45.65	45.46	5.9	28362	168.4	X	67.2	KM H-UCL	53.6	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-10	247 / 248	100	0.021	2410	0.47	0.47	63.71	63.45	9.1	45992	214.5	X	111	KM H-UCL	79.1	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-10	50 / 248	20	0.0578	18	0.005	5	2.394	0.494	0.915	17.69	4.206	X	0.266	KM H-UCL	0.727	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-10	79 / 244	32	5.25	804	5	107	62.37	23.6	13.8	20929	144.7	X	47.8	95% KM (Chebyshev) UCL	17.3	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-10	0 / 206	0	NA	NA	0.353	80	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-10	178 / 242	74	6	1790	5	14.1	110.9	82.93	22.2	76403	276.4	X	151	95% KM (Chebyshev) UCL	71.2	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-10	8 / 9	89	3.7	3010	2	2	444.6	395.4	40	1083365	1041	X	3010	UCL>Max: Max Detect	1389	Bootstrap BCA 95UCL
Nitrate	mg/kg	0-10	5 / 5	100	6	54	NA	NA	22.8	22.8	17	386.7	19.66	X	54	Max Detect	54	Max Detect
Orthophosphate	mg/kg	0-10	13 / 13	100	204	359	NA	NA	290.8	290.8	299	1502	38.75	X	310	95% Student's-t UCL	296	Bootstrap BCA 95UCL
Phosphate	mg/kg	0-10	5 / 5	100	8.8	358	NA	NA	120.5	120.5	64.2	21437	146.4	X	358	Max Detect	358	Max Detect
Sulfate	mg/kg	0-10	22 / 22	100	7.3	1630	NA	NA	181.5	181.5	16.1	166817	408.4	X	561	95% Chebyshev (Mean, Sd) UCL	399	Bootstrap BCA 95UCL

Notes:
[a] The constituent consists of analytes detected at least once at the Topock Compressor Station site and measured in soil in this exposure area.
[b] If fewer than eight total locations and four total detected concentrations, the maximum depth-weighted concentration was selected as the EPC. Otherwise, the UCL was selected as the EPC.
[c] EPCs and summary statistics were not calculated for some constituents (i.e., dioxin congeners and essential nutrients). Those data, if available, are presented in Attachment A1 of each exposure area-specific appendix.

Abbreviations:
"--" = not applicable
B(a)P equivalent = benzo(a)pyrene equivalent
BCA = Bias-corrected accelerated bootstrap method
BCW = Bat Cave Wash)
COPC = constituent of potential concern
COPEC = constituent of potential ecological concern
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
EPC = exposure point concentration
FOD = frequency of detection
ft bgs = feet below ground surface
KM = Kaplan-Meier
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
ND = not detected
ng/kg = nanograms per kilogram
OCS = Outside the Compressor Station
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyls
PG&E = Pacific Gas and Electric Company
TCDD = Tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons
UCL = upper confidence limit
X = COPC/COPEC in the exposure depth interval

Table OCS-3.2
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding SWMU1 and AOC10-20 (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Soil Depth Interval: 0-0.5 ft bgs																		
Inorganic Compounds																		
Chromium, hexavalent	mg/kg	0-0.5	146 / 393	37	0.2	114	0.025	2.35	3.169	1.196	0.81	117.2	10.83	X	2.69	95% KM (Chebyshev) UCL	0.877	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-0.5	216 / 217	100	0.021	1600	0.47	0.47	49.95	49.72	10	22112	148.7	X	83.6	KM H-UCL	51.8	Bootstrap BCA 95UCL
Soil Depth Interval: 0-3 ft bgs																		
Inorganic Compounds																		
Chromium, hexavalent	mg/kg	0-3	197 / 414	48	0.137	150	0.025	2	4.057	1.954	0.685	247.4	15.73	X	4.32	95% KM (Chebyshev) UCL	1.77	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-3	221 / 222	100	0.021	1600	0.47	0.47	47.83	47.62	11	17360	131.8	X	87.9	KM H-UCL	57	Bootstrap BCA 95UCL
Soil Depth Interval: 0-6 ft bgs																		
Inorganic Compounds																		
Chromium, hexavalent	mg/kg	0-6	207 / 423	49	0.0279	150	0.025	2	3.865	1.915	0.622	231.1	15.2	X	4.21	95% KM (Chebyshev) UCL	1.81	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-6	223 / 224	100	0.021	1600	0.47	0.47	46.09	45.88	9.84	17978	134.1	X	81.8	KM H-UCL	60.5	Bootstrap BCA 95UCL
Soil Depth Interval: 0-10 ft bgs																		
Inorganic Compounds																		
Chromium, hexavalent	mg/kg	0-10	210 / 435	48	0.0373	150	0.025	2	3.624	1.774	0.59	225.9	15.03	X	3.99	95% KM (Chebyshev) UCL	1.72	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-10	224 / 225	100	0.021	1600	0.47	0.47	41.78	41.59	8.15	16562	128.7	X	74.1	KM H-UCL	51.1	Bootstrap BCA 95UCL

Notes:

[a] The constituent consists of analytes detected at least once at the Topock Compressor Station site and measured in soil in this exposure area.

[b] If fewer than eight total locations and four total detected concentrations, the maximum depth-weighted concentration was selected as the EPC. Otherwise, the UCL was selected as the EPC.

[c] EPCs and summary statistics were not calculated for some constituents (i.e., dioxin congeners and essential nutrients). Those data, if available, are presented in Attachment A1 of each exposure area-specific appendix.

Abbreviations:

"--" = not applicable
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EPC = exposure point concentration
FOD = frequency of detection
ft bgs = feet below ground surface
KM = Kaplan-Meier
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
ND = not detected
ng/kg = nanograms per kilogram
OCS = Outside the Compressor Station
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyls
PG&E = Pacific Gas and Electric Company
TCDD = Tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons
UCL = upper confidence limit
X = COPC in the exposure depth interval

Table OCS-4.1
Summary of COPCs Evaluated in the HHRA for OCS: Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	COPCs in Surface Soil (0 to 0.5 feet bgs)	COPCs in Shallow Soil (0 to 3 feet bgs)	COPCs in Subsurface I Soil (0 to 6 feet bgs)	COPCs in Subsurface II Soil (0 to 10 feet bgs)
Inorganics				
Antimony	x	x	x	x
Chromium, Hexavalent	x	x	x	x
Chromium, total	x	x	x	x
Copper	x	x	x	x
Cyanide	x	x	x	x
Lead	x	x	x	x
Mercury (inorganic)	x	x	x	x
Nitrate	x	x	x	x
Orthophosphate	--	--	--	x
Phosphate	x	x	x	x
Thallium	x	x	x	x
Zinc	x	x	x	x
Volatile Organic Compounds				
Bromomethane	--	x	x	x
Chloro methane	--	x	x	x

Table OCS-4.1
Summary of COPCs Evaluated in the HHRA for OCS: Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	COPCs in Surface Soil (0 to 0.5 feet bgs)	COPCs in Shallow Soil (0 to 3 feet bgs)	COPCs in Subsurface I Soil (0 to 6 feet bgs)	COPCs in Subsurface II Soil (0 to 10 feet bgs)
Chloroform	--	x	x	x
Isophorone	x	x	x	x
Methyl acetate	--	x	x	x
Semi-Volatile Organic Compounds				
4-Methylphenol	x	x	x	x
bis (2-ethylhexyl) phthalate	x	x	x	x
Butylbenzylphthalate	--	--	--	x
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	x	x	x	x
2-Methyl naphthalene	x	x	x	x
Acenaphthene	x	x	x	x
Acenaphthylene	x	x	x	x
Anthracene	x	x	x	x
Benzo (ghi) perylene	x	x	x	x
Fluoranthene	x	x	x	x
Fluorene	x	x	x	x
Naphthalene	x	x	x	x

Table OCS-4.1
Summary of COPCs Evaluated in the HHRA for OCS: Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	COPCs in Surface Soil (0 to 0.5 feet bgs)	COPCs in Shallow Soil (0 to 3 feet bgs)	COPCs in Subsurface I Soil (0 to 6 feet bgs)	COPCs in Subsurface II Soil (0 to 10 feet bgs)
Phenanthrene	x	x	x	x
Pyrene	x	x	x	x
Pesticides				
4,4-DDE	x	x	x	x
4,4-DDT	x	x	x	x
alpha-Chlordane	x	x	x	x
Dieldrin	x	x	x	x
gamma-Chlordane	x	x	x	x
Polychlorinated Biphenyls				
Total PCBs	x	x	x	x
Total Petroleum Hydrocarbons				
TPH as diesel	x	x	x	x
TPH as motor oil	x	x	x	x
Dioxins/Furans				
TEQ Human	x	x	x	x

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
-- = not detected or not analyzed.
x = Chemical included as COPC in human health risk assessment.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-4.2a
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.2E+00	3.8E-01	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	3.3E+01	8.7E+00	3.3E-05	NV	3.3E-05	NV
Chromium, total	1.3E+02	2.1E+02	1.3E-04	NV	1.3E-04	NV
Copper	6.0E+01	3.8E+01	6.0E-05	NV	6.0E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	2.9E+01	1.9E+01	2.9E-05	NV	2.9E-05	NV
Mercury (inorganic)	5.0E-01	9.5E-01	5.0E-07	NV	5.0E-07	NV
Nitrate	5.4E+01	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	NS	3.1E+02	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	2.4E+00	5.3E-01	2.4E-06	NV	2.4E-06	NV
Zinc	9.8E+01	8.6E+01	9.8E-05	NV	9.8E-05	NV
Volatile Organic Compounds						
Bromomethane	ND	1.8E-02	NA	5.2E-05	NA	9.5E-06
Chloro methane	ND	7.9E-03	NA	2.8E-05	NA	5.1E-06
Chloroform	ND	7.5E-03	NA	1.2E-05	NA	2.1E-06
Isophorone	2.8E+00	1.7E+01	2.8E-06	NV	2.8E-06	NV
Methyl acetate	ND	1.7E-02	NA	8.5E-06	NA	1.5E-06

Table OCS-4.2a
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Semi-Volatile Organic Compounds						
4-Methylphenol	4.3E-01	2.5E-01	4.3E-07	NV	4.3E-07	NV
bis (2-ethylhexyl) phthalate	2.0E+00	2.0E-01	2.0E-06	NV	2.0E-06	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.1E-03	4.4E-03	4.1E-09	3.1E-07	4.1E-09	5.7E-08
2-Methyl naphthalene	5.1E-03	4.6E-03	5.1E-09	3.1E-07	5.1E-09	5.7E-08
Acenaphthene	2.7E-03	3.1E-03	2.7E-09	8.7E-08	2.7E-09	1.6E-08
Acenaphthylene	2.8E-03	2.6E-03	2.8E-09	NV	2.8E-09	NV
Anthracene	4.0E-03	3.7E-03	4.0E-09	2.9E-08	4.0E-09	5.3E-09
Benzo (ghi) perylene	6.3E-02	3.8E-02	6.3E-08	NV	6.3E-08	NV
Fluoranthene	2.7E-01	1.3E-01	2.7E-07	NV	2.7E-07	NV
Fluorene	2.7E-03	2.8E-03	2.7E-09	4.0E-08	2.7E-09	7.2E-09
Naphthalene	2.7E-03	2.6E-03	2.7E-09	2.2E-07	2.7E-09	4.0E-08
Phenanthrene	8.6E-02	4.4E-02	8.6E-08	NV	8.6E-08	NV
Pyrene	2.3E-01	1.2E-01	2.3E-07	1.9E-07	2.3E-07	3.5E-08
Pesticides						
4,4-DDE	6.1E-03	1.2E-03	6.1E-09	2.9E-09	6.1E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV

Table OCS-4.2a
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polychlorinated Biphenyls						
Total PCBs	5.1E-01	4.6E-01	5.1E-07	3.6E-06	5.1E-07	6.5E-07
Total Petroleum Hydrocarbons						
TPH as diesel	1.3E+02	4.8E+01	1.3E-04	9.9E-02	1.3E-04	1.8E-02
TPH as motor oil	3.2E+02	1.5E+02	3.2E-04	NV	3.2E-04	NV
Dioxins/Furans						
TEQ Human	1.0E-04	1.1E-04	1.0E-10	2.3E-10	1.0E-10	4.3E-11

Notes:
[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.
[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.
[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).
[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:
Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.2b
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	4.8E-01	3.8E-01	4.8E-07	NV	4.8E-07	NV
Chromium, Hexavalent	2.2E+01	8.7E+00	2.2E-05	NV	2.2E-05	NV
Chromium, total	1.6E+02	2.1E+02	1.6E-04	NV	1.6E-04	NV
Copper	6.0E+01	3.8E+01	6.0E-05	NV	6.0E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	3.8E+01	1.9E+01	3.8E-05	NV	3.8E-05	NV
Mercury (inorganic)	9.2E-01	9.5E-01	9.2E-07	NV	9.2E-07	NV
Nitrate	5.4E+01	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	NS	3.1E+02	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	5.3E-01	5.3E-01	5.3E-07	NV	5.3E-07	NV
Zinc	1.0E+02	8.6E+01	1.0E-04	NV	1.0E-04	NV
Volatile Organic Compounds						
Bromomethane	2.6E-02	1.8E-02	2.6E-08	5.2E-05	2.6E-08	9.5E-06
Chloro methane	1.1E-02	7.9E-03	1.1E-08	2.8E-05	1.1E-08	5.1E-06
Chloroform	1.1E-02	7.5E-03	1.1E-08	1.2E-05	1.1E-08	2.1E-06
Isophorone	2.9E+01	1.7E+01	2.9E-05	NV	2.9E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06

Table OCS-4.2b
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Semi-Volatile Organic Compounds						
4-Methylphenol	3.5E-01	2.5E-01	3.5E-07	NV	3.5E-07	NV
bis (2-ethylhexyl) phthalate	1.8E-01	2.0E-01	1.8E-07	NV	1.8E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.3E-03	4.4E-03	4.3E-09	3.1E-07	4.3E-09	5.7E-08
2-Methyl naphthalene	5.4E-03	4.6E-03	5.4E-09	3.1E-07	5.4E-09	5.7E-08
Acenaphthene	2.7E-03	3.1E-03	2.7E-09	8.7E-08	2.7E-09	1.6E-08
Acenaphthylene	2.7E-03	2.6E-03	2.7E-09	NV	2.7E-09	NV
Anthracene	3.9E-03	3.7E-03	3.9E-09	2.9E-08	3.9E-09	5.3E-09
Benzo (ghi) perylene	5.2E-02	3.8E-02	5.2E-08	NV	5.2E-08	NV
Fluoranthene	2.1E-01	1.3E-01	2.1E-07	NV	2.1E-07	NV
Fluorene	2.7E-03	2.8E-03	2.7E-09	4.0E-08	2.7E-09	7.2E-09
Naphthalene	2.7E-03	2.6E-03	2.7E-09	2.2E-07	2.7E-09	4.0E-08
Phenanthrene	6.7E-02	4.4E-02	6.7E-08	NV	6.7E-08	NV
Pyrene	1.8E-01	1.2E-01	1.8E-07	1.9E-07	1.8E-07	3.5E-08
Pesticides						
4,4-DDE	1.2E-03	1.2E-03	1.2E-09	2.9E-09	1.2E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV

Table OCS-4.2b
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polychlorinated Biphenyls						
Total PCBs	5.0E-01	4.6E-01	5.0E-07	3.6E-06	5.0E-07	6.5E-07
Total Petroleum Hydrocarbons						
TPH as diesel	9.4E+01	4.8E+01	9.4E-05	9.9E-02	9.4E-05	1.8E-02
TPH as motor oil	2.4E+02	1.5E+02	2.4E-04	NV	2.4E-04	NV
Dioxins/Furans						
TEQ Human	1.1E-04	1.1E-04	1.1E-10	2.3E-10	1.1E-10	4.3E-11

Notes:
[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.
[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.
[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).
[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:
Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.2c

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	4.2E-01	3.8E-01	4.2E-07	NV	4.2E-07	NV
Chromium, Hexavalent	1.3E+01	8.7E+00	1.3E-05	NV	1.3E-05	NV
Chromium, total	2.0E+02	2.1E+02	2.0E-04	NV	2.0E-04	NV
Copper	4.6E+01	3.8E+01	4.6E-05	NV	4.6E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	2.6E+01	1.9E+01	2.6E-05	NV	2.6E-05	NV
Mercury (inorganic)	1.4E+00	9.5E-01	1.4E-06	NV	1.4E-06	NV
Nitrate	5.4E+01	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	NS	3.1E+02	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	5.6E-01	5.3E-01	5.6E-07	NV	5.6E-07	NV
Zinc	9.2E+01	8.6E+01	9.2E-05	NV	9.2E-05	NV
Volatile Organic Compounds						
Bromomethane	2.4E-02	1.8E-02	2.4E-08	5.2E-05	2.4E-08	9.5E-06
Chloro methane	1.0E-02	7.9E-03	1.0E-08	2.8E-05	1.0E-08	5.1E-06
Chloroform	9.9E-03	7.5E-03	9.9E-09	1.2E-05	9.9E-09	2.1E-06
Isophorone	2.8E+01	1.7E+01	2.8E-05	NV	2.8E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06

Table OCS-4.2c

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Semi-Volatile Organic Compounds						
4-Methylphenol	3.1E-01	2.5E-01	3.1E-07	NV	3.1E-07	NV
bis (2-ethylhexyl) phthalate	2.0E-01	2.0E-01	2.0E-07	NV	2.0E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.4E-03	4.4E-03	4.4E-09	3.1E-07	4.4E-09	5.7E-08
2-Methyl naphthalene	4.4E-03	4.6E-03	4.4E-09	3.1E-07	4.4E-09	5.7E-08
Acenaphthene	3.0E-03	3.1E-03	3.0E-09	8.7E-08	3.0E-09	1.6E-08
Acenaphthylene	2.6E-03	2.6E-03	2.6E-09	NV	2.6E-09	NV
Anthracene	3.8E-03	3.7E-03	3.8E-09	2.9E-08	3.8E-09	5.3E-09
Benzo (ghi) perylene	4.2E-02	3.8E-02	4.2E-08	NV	4.2E-08	NV
Fluoranthene	1.5E-01	1.3E-01	1.5E-07	NV	1.5E-07	NV
Fluorene	2.6E-03	2.8E-03	2.6E-09	4.0E-08	2.6E-09	7.2E-09
Naphthalene	2.5E-03	2.6E-03	2.5E-09	2.2E-07	2.5E-09	4.0E-08
Phenanthrene	5.0E-02	4.4E-02	5.0E-08	NV	5.0E-08	NV
Pyrene	1.4E-01	1.2E-01	1.4E-07	1.9E-07	1.4E-07	3.5E-08
Pesticides						
4,4-DDE	1.2E-03	1.2E-03	1.2E-09	2.9E-09	1.2E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV

Table OCS-4.2c

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polychlorinated Biphenyls						
Total PCBs	4.7E-01	4.6E-01	4.7E-07	3.6E-06	4.7E-07	6.5E-07
Total Petroleum Hydrocarbons						
TPH as diesel	6.7E+01	4.8E+01	6.7E-05	9.9E-02	6.7E-05	1.8E-02
TPH as motor oil	1.9E+02	1.5E+02	1.9E-04	NV	1.9E-04	NV
Dioxins/Furans						
TEQ Human	1.2E-04	1.1E-04	1.2E-10	2.3E-10	1.2E-10	4.3E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface I soil (0 to 6 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.2d
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Inorganics					
Antimony	3.8E-01	3.8E-07	NV	3.8E-07	NV
Chromium, Hexavalent	8.7E+00	8.7E-06	NV	8.7E-06	NV
Chromium, total	2.1E+02	2.1E-04	NV	2.1E-04	NV
Copper	3.8E+01	3.8E-05	NV	3.8E-05	NV
Cyanide	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	1.9E+01	1.9E-05	NV	1.9E-05	NV
Mercury (inorganic)	9.5E-01	9.5E-07	NV	9.5E-07	NV
Nitrate	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	3.1E+02	3.1E-04	NV	3.1E-04	NV
Phosphate	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	5.3E-01	5.3E-07	NV	5.3E-07	NV
Zinc	8.6E+01	8.6E-05	NV	8.6E-05	NV
Volatile Organic Compounds					
Bromomethane	1.8E-02	1.8E-08	5.2E-05	1.8E-08	9.5E-06
Chloro methane	7.9E-03	7.9E-09	2.8E-05	7.9E-09	5.1E-06
Chloroform	7.5E-03	7.5E-09	1.2E-05	7.5E-09	2.1E-06
Isophorone	1.7E+01	1.7E-05	NV	1.7E-05	NV
Methyl acetate	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06

Table OCS-4.2d
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Semi-Volatile Organic Compounds					
4-Methylphenol	2.5E-01	2.5E-07	NV	2.5E-07	NV
bis (2-ethylhexyl) phthalate	2.0E-01	2.0E-07	NV	2.0E-07	NV
Butylbenzylphthalate	1.3E+01	1.3E-05	NV	1.3E-05	NV
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	4.4E-03	4.4E-09	3.1E-07	4.4E-09	5.7E-08
2-Methyl naphthalene	4.6E-03	4.6E-09	3.1E-07	4.6E-09	5.7E-08
Acenaphthene	3.1E-03	3.1E-09	8.7E-08	3.1E-09	1.6E-08
Acenaphthylene	2.6E-03	2.6E-09	NV	2.6E-09	NV
Anthracene	3.7E-03	3.7E-09	2.9E-08	3.7E-09	5.3E-09
Benzo (ghi) perylene	3.8E-02	3.8E-08	NV	3.8E-08	NV
Fluoranthene	1.3E-01	1.3E-07	NV	1.3E-07	NV
Fluorene	2.8E-03	2.8E-09	4.0E-08	2.8E-09	7.2E-09
Naphthalene	2.6E-03	2.6E-09	2.2E-07	2.6E-09	4.0E-08
Phenanthrene	4.4E-02	4.4E-08	NV	4.4E-08	NV
Pyrene	1.2E-01	1.2E-07	1.9E-07	1.2E-07	3.5E-08
Pesticides					
4,4-DDE	1.2E-03	1.2E-09	2.9E-09	1.2E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-08	NV	1.3E-08	NV

Table OCS-4.2d
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Polychlorinated Biphenyls					
Total PCBs	4.6E-01	4.6E-07	3.6E-06	4.6E-07	6.5E-07
Total Petroleum Hydrocarbons					
TPH as diesel	4.8E+01	4.8E-05	9.9E-02	4.8E-05	1.8E-02
TPH as motor oil	1.5E+02	1.5E-04	NV	1.5E-04	NV
Dioxins/Furans					
TEQ Human	1.1E-04	1.1E-10	2.3E-10	1.1E-10	4.3E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of particulates in outdoor air. Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatile compounds in outdoor air. Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.2e
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics										
Antimony	1.2E+00	3.8E-01	8.8E-10	NV	8.8E-10	NV	8.8E-10	NV	1.4E-06	NV
Chromium, Hexavalent	3.3E+01	8.7E+00	2.4E-08	NV	2.4E-08	NV	2.4E-08	NV	3.9E-05	NV
Chromium, total	1.3E+02	2.1E+02	9.5E-08	NV	9.5E-08	NV	9.5E-08	NV	1.5E-04	NV
Copper	6.0E+01	3.8E+01	4.4E-08	NV	4.4E-08	NV	4.4E-08	NV	7.1E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	2.9E+01	1.9E+01	2.1E-08	NV	2.1E-08	NV	2.1E-08	NV	3.4E-05	NV
Mercury (inorganic)	5.0E-01	9.5E-01	3.7E-10	NV	3.7E-10	NV	3.7E-10	NV	5.9E-07	NV
Nitrate	5.4E+01	5.4E+01	4.0E-08	NV	4.0E-08	NV	4.0E-08	NV	6.4E-05	NV
Orthophosphate	NS	3.1E+02	NA	NV	NA	NV	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	2.6E-07	NV	2.6E-07	NV	2.6E-07	NV	4.2E-04	NV
Thallium	2.4E+00	5.3E-01	1.8E-09	NV	1.8E-09	NV	1.8E-09	NV	2.8E-06	NV
Zinc	9.8E+01	8.6E+01	7.2E-08	NV	7.2E-08	NV	7.2E-08	NV	1.2E-04	NV
Volatile Organic Compounds										
Bromomethane	ND	1.8E-02	NA	1.0E-05	NA	1.0E-05	NA	1.0E-05	NA	1.0E-05
Chloro methane	ND	7.9E-03	NA	5.4E-06	NA	5.4E-06	NA	5.4E-06	NA	5.4E-06
Chloroform	ND	7.5E-03	NA	2.3E-06	NA	2.3E-06	NA	2.3E-06	NA	2.3E-06
Isophorone	2.8E+00	1.7E+01	2.1E-09	NV	2.1E-09	NV	2.1E-09	NV	3.3E-06	NV
Methyl acetate	ND	1.7E-02	NA	1.7E-06	NA	1.7E-06	NA	1.7E-06	NA	1.7E-06

Table OCS-4.2e
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Semi-Volatile Organic Compounds										
4-Methylphenol	4.3E-01	2.5E-01	3.2E-10	NV	3.2E-10	NV	3.2E-10	NV	5.1E-07	NV
bis (2-ethylhexyl) phthalate	2.0E+00	2.0E-01	1.5E-09	NV	1.5E-09	NV	1.5E-09	NV	2.4E-06	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	4.1E-03	4.4E-03	3.0E-12	6.1E-08	3.0E-12	6.1E-08	3.0E-12	6.1E-08	4.8E-09	6.1E-08
2-Methyl naphthalene	5.1E-03	4.6E-03	3.7E-12	6.1E-08	3.7E-12	6.1E-08	3.7E-12	6.1E-08	6.0E-09	6.1E-08
Acenaphthene	2.7E-03	3.1E-03	2.0E-12	1.7E-08	2.0E-12	1.7E-08	2.0E-12	1.7E-08	3.2E-09	1.7E-08
Acenaphthylene	2.8E-03	2.6E-03	2.1E-12	NV	2.1E-12	NV	2.1E-12	NV	3.4E-09	NV
Anthracene	4.0E-03	3.7E-03	3.0E-12	5.7E-09	3.0E-12	5.7E-09	3.0E-12	5.7E-09	4.8E-09	5.7E-09
Benzo (ghi) perylene	6.3E-02	3.8E-02	4.6E-11	NV	4.6E-11	NV	4.6E-11	NV	7.4E-08	NV
Fluoranthene	2.7E-01	1.3E-01	1.9E-10	NV	1.9E-10	NV	1.9E-10	NV	3.1E-07	NV
Fluorene	2.7E-03	2.8E-03	2.0E-12	7.8E-09	2.0E-12	7.8E-09	2.0E-12	7.8E-09	3.2E-09	7.8E-09
Naphthalene	2.7E-03	2.6E-03	2.0E-12	4.3E-08	2.0E-12	4.3E-08	2.0E-12	4.3E-08	3.1E-09	4.3E-08
Phenanthrene	8.6E-02	4.4E-02	6.3E-11	NV	6.3E-11	NV	6.3E-11	NV	1.0E-07	NV
Pyrene	2.3E-01	1.2E-01	1.7E-10	3.7E-08	1.7E-10	3.7E-08	1.7E-10	3.7E-08	2.7E-07	3.7E-08
Pesticides										
4,4-DDE	6.1E-03	1.2E-03	4.5E-12	5.6E-10	4.5E-12	5.6E-10	4.5E-12	5.6E-10	7.2E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV

Table OCS-4.2e
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Polychlorinated Biphenyls										
Total PCBs	5.1E-01	4.6E-01	3.7E-10	7.0E-07	3.7E-10	7.0E-07	3.7E-10	7.0E-07	6.0E-07	7.0E-07
Total Petroleum Hydrocarbons										
TPH as diesel	1.3E+02	4.8E+01	9.7E-08	1.9E-02	9.7E-08	1.9E-02	9.7E-08	1.9E-02	1.6E-04	1.9E-02
TPH as motor oil	3.2E+02	1.5E+02	2.3E-07	NV	2.3E-07	NV	2.3E-07	NV	3.7E-04	NV
Dioxins/Furans										
TEQ Human	1.0E-04	1.1E-04	7.6E-14	4.6E-11	7.6E-14	4.6E-11	7.6E-14	4.6E-11	1.2E-10	4.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers, hikers, and hunters) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009) and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:
Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.
United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at: http://www.epa.gov/region09/toxic/noa/clearcreek/pdf/CCMARiskDoc24Apr08-withoutAppxG.pdf
USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA_Addendum.pdf

Table OCS-4.2f
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics										
Antimony	4.8E-01	3.8E-01	3.5E-10	NV	3.5E-10	NV	3.5E-10	NV	5.6E-07	NV
Chromium, Hexavalent	2.2E+01	8.7E+00	1.6E-08	NV	1.6E-08	NV	1.6E-08	NV	2.6E-05	NV
Chromium, total	1.6E+02	2.1E+02	1.2E-07	NV	1.2E-07	NV	1.2E-07	NV	1.9E-04	NV
Copper	6.0E+01	3.8E+01	4.4E-08	NV	4.4E-08	NV	4.4E-08	NV	7.1E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	3.8E+01	1.9E+01	2.8E-08	NV	2.8E-08	NV	2.8E-08	NV	4.5E-05	NV
Mercury (inorganic)	9.2E-01	9.5E-01	6.8E-10	NV	6.8E-10	NV	6.8E-10	NV	1.1E-06	NV
Nitrate	5.4E+01	5.4E+01	4.0E-08	NV	4.0E-08	NV	4.0E-08	NV	6.4E-05	NV
Orthophosphate	NS	3.1E+02	NA	NV	NA	NV	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	2.6E-07	NV	2.6E-07	NV	2.6E-07	NV	4.2E-04	NV
Thallium	5.3E-01	5.3E-01	3.9E-10	NV	3.9E-10	NV	3.9E-10	NV	6.2E-07	NV
Zinc	1.0E+02	8.6E+01	7.6E-08	NV	7.6E-08	NV	7.6E-08	NV	1.2E-04	NV
Volatile Organic Compounds										
Bromomethane	2.6E-02	1.8E-02	1.9E-11	1.0E-05	1.9E-11	1.0E-05	1.9E-11	1.0E-05	3.1E-08	1.0E-05
Chloro methane	1.1E-02	7.9E-03	8.1E-12	5.4E-06	8.1E-12	5.4E-06	8.1E-12	5.4E-06	1.3E-08	5.4E-06
Chloroform	1.1E-02	7.5E-03	8.1E-12	2.3E-06	8.1E-12	2.3E-06	8.1E-12	2.3E-06	1.3E-08	2.3E-06
Isophorone	2.9E+01	1.7E+01	2.1E-08	NV	2.1E-08	NV	2.1E-08	NV	3.4E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.3E-11	1.7E-06	1.3E-11	1.7E-06	1.3E-11	1.7E-06	2.0E-08	1.7E-06

Table OCS-4.2f
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Semi-Volatile Organic Compounds										
4-Methylphenol	3.5E-01	2.5E-01	2.5E-10	NV	2.5E-10	NV	2.5E-10	NV	4.1E-07	NV
bis (2-ethylhexyl) phthalate	1.8E-01	2.0E-01	1.3E-10	NV	1.3E-10	NV	1.3E-10	NV	2.1E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	4.3E-03	4.4E-03	3.1E-12	6.1E-08	3.1E-12	6.1E-08	3.1E-12	6.1E-08	5.0E-09	6.1E-08
2-Methyl naphthalene	5.4E-03	4.6E-03	3.9E-12	6.1E-08	3.9E-12	6.1E-08	3.9E-12	6.1E-08	6.3E-09	6.1E-08
Acenaphthene	2.7E-03	3.1E-03	2.0E-12	1.7E-08	2.0E-12	1.7E-08	2.0E-12	1.7E-08	3.2E-09	1.7E-08
Acenaphthylene	2.7E-03	2.6E-03	2.0E-12	NV	2.0E-12	NV	2.0E-12	NV	3.2E-09	NV
Anthracene	3.9E-03	3.7E-03	2.9E-12	5.7E-09	2.9E-12	5.7E-09	2.9E-12	5.7E-09	4.6E-09	5.7E-09
Benzo (ghi) perylene	5.2E-02	3.8E-02	3.8E-11	NV	3.8E-11	NV	3.8E-11	NV	6.2E-08	NV
Fluoranthene	2.1E-01	1.3E-01	1.5E-10	NV	1.5E-10	NV	1.5E-10	NV	2.5E-07	NV
Fluorene	2.7E-03	2.8E-03	1.9E-12	7.8E-09	1.9E-12	7.8E-09	1.9E-12	7.8E-09	3.1E-09	7.8E-09
Naphthalene	2.7E-03	2.6E-03	1.9E-12	4.3E-08	1.9E-12	4.3E-08	1.9E-12	4.3E-08	3.1E-09	4.3E-08
Phenanthrene	6.7E-02	4.4E-02	4.9E-11	NV	4.9E-11	NV	4.9E-11	NV	7.9E-08	NV
Pyrene	1.8E-01	1.2E-01	1.3E-10	3.7E-08	1.3E-10	3.7E-08	1.3E-10	3.7E-08	2.1E-07	3.7E-08
Pesticides										
4,4-DDE	1.2E-03	1.2E-03	8.9E-13	5.6E-10	8.9E-13	5.6E-10	8.9E-13	5.6E-10	1.4E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV

Table OCS-4.2f
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Polychlorinated Biphenyls										
Total PCBs	5.0E-01	4.6E-01	3.7E-10	7.0E-07	3.7E-10	7.0E-07	3.7E-10	7.0E-07	5.9E-07	7.0E-07
Total Petroleum Hydrocarbons										
TPH as diesel	9.4E+01	4.8E+01	6.9E-08	1.9E-02	6.9E-08	1.9E-02	6.9E-08	1.9E-02	1.1E-04	1.9E-02
TPH as motor oil	2.4E+02	1.5E+02	1.7E-07	NV	1.7E-07	NV	1.7E-07	NV	2.8E-04	NV
Dioxins/Furans										
TEQ Human	1.1E-04	1.1E-04	8.4E-14	4.6E-11	8.4E-14	4.6E-11	8.4E-14	4.6E-11	1.3E-10	4.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers, hikers, and hunters) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009)and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:
Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.
United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at: http://www.epa.gov/region09/toxic/noa/clearcreek/pdf/CCMARiskDoc24Apr08-withoutAppxG.pdf
USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA_Addendum.pdf

Table OCS-4.2g

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics				
Antimony	1.2E+00	3.8E-01	8.8E-10	NV
Chromium, Hexavalent	3.3E+01	8.7E+00	2.4E-08	NV
Chromium, total	1.3E+02	2.1E+02	9.5E-08	NV
Copper	6.0E+01	3.8E+01	4.4E-08	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV
Lead	2.9E+01	1.9E+01	2.1E-08	NV
Mercury (inorganic)	5.0E-01	9.5E-01	3.7E-10	NV
Nitrate	5.4E+01	5.4E+01	4.0E-08	NV
Orthophosphate	NS	3.1E+02	NA	NV
Phosphate	3.6E+02	3.6E+02	2.6E-07	NV
Thallium	2.4E+00	5.3E-01	1.8E-09	NV
Zinc	9.8E+01	8.6E+01	7.2E-08	NV
Volatile Organic Compounds				
Bromomethane	ND	1.8E-02	NA	6.7E-06
Chloro methane	ND	7.9E-03	NA	3.6E-06
Chloroform	ND	7.5E-03	NA	1.5E-06
Isophorone	2.8E+00	1.7E+01	2.1E-09	NV
Methyl acetate	ND	1.7E-02	NA	1.1E-06

Table OCS-4.2g
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Semi-Volatile Organic Compounds				
4-Methylphenol	4.3E-01	2.5E-01	3.2E-10	NV
bis (2-ethylhexyl) phthalate	2.0E+00	2.0E-01	1.5E-09	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	4.1E-03	4.4E-03	3.0E-12	4.0E-08
2-Methyl naphthalene	5.1E-03	4.6E-03	3.7E-12	4.0E-08
Acenaphthene	2.7E-03	3.1E-03	2.0E-12	1.1E-08
Acenaphthylene	2.8E-03	2.6E-03	2.1E-12	NV
Anthracene	4.0E-03	3.7E-03	3.0E-12	3.8E-09
Benzo (ghi) perylene	6.3E-02	3.8E-02	4.6E-11	NV
Fluoranthene	2.7E-01	1.3E-01	1.9E-10	NV
Fluorene	2.7E-03	2.8E-03	2.0E-12	5.1E-09
Naphthalene	2.7E-03	2.6E-03	2.0E-12	2.9E-08
Phenanthrene	8.6E-02	4.4E-02	6.3E-11	NV
Pyrene	2.3E-01	1.2E-01	1.7E-10	2.4E-08
Pesticides				
4,4-DDE	6.1E-03	1.2E-03	4.5E-12	3.7E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV

Table OCS-4.2g
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Polychlorinated Biphenyls				
Total PCBs	5.1E-01	4.6E-01	3.7E-10	4.6E-07
Total Petroleum Hydrocarbons				
TPH as diesel	1.3E+02	4.8E+01	9.7E-08	1.3E-02
TPH as motor oil	3.2E+02	1.5E+02	2.3E-07	NV
Dioxins/Furans				
TEQ Human	1.0E-04	1.1E-04	7.6E-14	3.0E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for tribal users as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:
Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.2h
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics				
Antimony	4.8E-01	3.8E-01	3.5E-10	NV
Chromium, Hexavalent	2.2E+01	8.7E+00	1.6E-08	NV
Chromium, total	1.6E+02	2.1E+02	1.2E-07	NV
Copper	6.0E+01	3.8E+01	4.4E-08	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV
Lead	3.8E+01	1.9E+01	2.8E-08	NV
Mercury (inorganic)	9.2E-01	9.5E-01	6.8E-10	NV
Nitrate	5.4E+01	5.4E+01	4.0E-08	NV
Orthophosphate	NS	3.1E+02	NA	NV
Phosphate	3.6E+02	3.6E+02	2.6E-07	NV
Thallium	5.3E-01	5.3E-01	3.9E-10	NV
Zinc	1.0E+02	8.6E+01	7.6E-08	NV
Volatile Organic Compounds				
Bromomethane	2.6E-02	1.8E-02	1.9E-11	6.7E-06
Chloro methane	1.1E-02	7.9E-03	8.1E-12	3.6E-06
Chloroform	1.1E-02	7.5E-03	8.1E-12	1.5E-06
Isophorone	2.9E+01	1.7E+01	2.1E-08	NV
Methyl acetate	1.7E-02	1.7E-02	1.3E-11	1.1E-06

Table OCS-4.2h
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Semi-Volatile Organic Compounds				
4-Methylphenol	3.5E-01	2.5E-01	2.5E-10	NV
bis (2-ethylhexyl) phthalate	1.8E-01	2.0E-01	1.3E-10	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	4.3E-03	4.4E-03	3.1E-12	4.0E-08
2-Methyl naphthalene	5.4E-03	4.6E-03	3.9E-12	4.0E-08
Acenaphthene	2.7E-03	3.1E-03	2.0E-12	1.1E-08
Acenaphthylene	2.7E-03	2.6E-03	2.0E-12	NV
Anthracene	3.9E-03	3.7E-03	2.9E-12	3.8E-09
Benzo (ghi) perylene	5.2E-02	3.8E-02	3.8E-11	NV
Fluoranthene	2.1E-01	1.3E-01	1.5E-10	NV
Fluorene	2.7E-03	2.8E-03	1.9E-12	5.1E-09
Naphthalene	2.7E-03	2.6E-03	1.9E-12	2.9E-08
Phenanthrene	6.7E-02	4.4E-02	4.9E-11	NV
Pyrene	1.8E-01	1.2E-01	1.3E-10	2.4E-08
Pesticides				
4,4-DDE	1.2E-03	1.2E-03	8.9E-13	3.7E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV

Table OCS-4.2h
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Polychlorinated Biphenyls				
Total PCBs	5.0E-01	4.6E-01	3.7E-10	4.6E-07
Total Petroleum Hydrocarbons				
TPH as diesel	9.4E+01	4.8E+01	6.9E-08	1.3E-02
TPH as motor oil	2.4E+02	1.5E+02	1.7E-07	NV
Dioxins/Furans				
TEQ Human	1.1E-04	1.1E-04	8.4E-14	3.0E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for tribal users as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.3a

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.2E+00	1.2E+00	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	1.9E+01	4.7E+00	1.9E-05	NV	1.9E-05	NV
Chromium, total	5.7E+01	7.6E+01	5.7E-05	NV	5.7E-05	NV
Copper	3.0E+01	2.1E+01	3.0E-05	NV	3.0E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	1.5E+01	1.5E+01	1.5E-05	NV	1.5E-05	NV
Mercury (inorganic)	3.2E-01	5.7E-01	3.2E-07	NV	3.2E-07	NV
Nitrate	5.4E+01	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	NS	3.0E+02	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	2.4E+00	1.3E+00	2.4E-06	NV	2.4E-06	NV
Zinc	6.3E+01	5.9E+01	6.3E-05	NV	6.3E-05	NV
Volatile Organic Compounds						
Bromomethane	ND	1.8E-02	NA	5.2E-05	NA	9.5E-06
Chloro methane	ND	7.9E-03	NA	2.8E-05	NA	5.1E-06
Chloroform	ND	7.5E-03	NA	1.2E-05	NA	2.1E-06
Isophorone	2.8E+00	1.7E+01	2.8E-06	NV	2.8E-06	NV
Methyl acetate	ND	1.7E-02	NA	8.5E-06	NA	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	4.3E-01	2.5E-01	4.3E-07	NV	4.3E-07	NV
bis (2-ethylhexyl) phthalate	2.0E+00	5.2E-01	2.0E-06	NV	2.0E-06	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCS-4.3a

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	3.8E-03	3.4E-03	3.8E-09	2.4E-07	3.8E-09	4.3E-08
2-Methyl naphthalene	2.0E-02	1.9E-02	2.0E-08	1.3E-06	2.0E-08	2.4E-07
Acenaphthene	2.0E-02	1.9E-02	2.0E-08	5.3E-07	2.0E-08	9.7E-08
Acenaphthylene	2.0E-02	1.9E-02	2.0E-08	NV	2.0E-08	NV
Anthracene	2.2E-02	2.0E-02	2.2E-08	1.6E-07	2.2E-08	2.8E-08
Benzo (ghi) perylene	4.3E-02	3.0E-02	4.3E-08	NV	4.3E-08	NV
Fluoranthene	1.3E-01	5.9E-02	1.3E-07	NV	1.3E-07	NV
Fluorene	1.9E-02	1.9E-02	1.9E-08	2.7E-07	1.9E-08	4.9E-08
Naphthalene	4.2E-03	4.1E-03	4.2E-09	3.6E-07	4.2E-09	6.5E-08
Phenanthrene	5.2E-02	3.2E-02	5.2E-08	NV	5.2E-08	NV
Pyrene	1.1E-01	5.3E-02	1.1E-07	8.8E-08	1.1E-07	1.6E-08
Pesticides						
4,4-DDE	6.1E-03	1.2E-03	6.1E-09	2.8E-09	6.1E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	1.3E-01	9.9E-02	1.3E-07	7.7E-07	1.3E-07	1.4E-07
Total Petroleum Hydrocarbons						
TPH as diesel	5.4E+01	1.7E+01	5.4E-05	3.6E-02	5.4E-05	6.5E-03
TPH as motor oil	1.2E+02	7.1E+01	1.2E-04	NV	1.2E-04	NV

Table OCS-4.3a

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	2.1E-04	7.9E-05	2.1E-10	1.7E-10	2.1E-10	3.0E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.3b

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.4E+00	1.2E+00	1.4E-06	NV	1.4E-06	NV
Chromium, Hexavalent	1.2E+01	4.7E+00	1.2E-05	NV	1.2E-05	NV
Chromium, total	7.3E+01	7.6E+01	7.3E-05	NV	7.3E-05	NV
Copper	3.1E+01	2.1E+01	3.1E-05	NV	3.1E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	3.7E+01	1.5E+01	3.7E-05	NV	3.7E-05	NV
Mercury (inorganic)	5.0E-01	5.7E-01	5.0E-07	NV	5.0E-07	NV
Nitrate	5.4E+01	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	NS	3.0E+02	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	1.3E+00	1.3E+00	1.3E-06	NV	1.3E-06	NV
Zinc	6.8E+01	5.9E+01	6.8E-05	NV	6.8E-05	NV
Volatile Organic Compounds						
Bromomethane	2.6E-02	1.8E-02	2.6E-08	5.2E-05	2.6E-08	9.5E-06
Chloro methane	1.1E-02	7.9E-03	1.1E-08	2.8E-05	1.1E-08	5.1E-06
Chloroform	1.1E-02	7.5E-03	1.1E-08	1.2E-05	1.1E-08	2.1E-06
Isophorone	2.9E+01	1.7E+01	2.9E-05	NV	2.9E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	3.5E-01	2.5E-01	3.5E-07	NV	3.5E-07	NV
bis (2-ethylhexyl) phthalate	5.8E-01	5.2E-01	5.8E-07	NV	5.8E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCS-4.3b

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	3.6E-03	3.4E-03	3.6E-09	2.4E-07	3.6E-09	4.3E-08
2-Methyl naphthalene	2.0E-02	1.9E-02	2.0E-08	1.3E-06	2.0E-08	2.4E-07
Acenaphthene	2.0E-02	1.9E-02	2.0E-08	5.3E-07	2.0E-08	9.7E-08
Acenaphthylene	2.0E-02	1.9E-02	2.0E-08	NV	2.0E-08	NV
Anthracene	2.1E-02	2.0E-02	2.1E-08	1.6E-07	2.1E-08	2.8E-08
Benzo (ghi) perylene	3.7E-02	3.0E-02	3.7E-08	NV	3.7E-08	NV
Fluoranthene	9.4E-02	5.9E-02	9.4E-08	NV	9.4E-08	NV
Fluorene	2.0E-02	1.9E-02	2.0E-08	2.7E-07	2.0E-08	4.9E-08
Naphthalene	4.4E-03	4.1E-03	4.4E-09	3.6E-07	4.4E-09	6.5E-08
Phenanthrene	4.2E-02	3.2E-02	4.2E-08	NV	4.2E-08	NV
Pyrene	8.1E-02	5.3E-02	8.1E-08	8.8E-08	8.1E-08	1.6E-08
Pesticides						
4,4-DDE	1.2E-03	1.2E-03	1.2E-09	2.8E-09	1.2E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	1.1E-01	9.9E-02	1.1E-07	7.7E-07	1.1E-07	1.4E-07
Total Petroleum Hydrocarbons						
TPH as diesel	3.4E+01	1.7E+01	3.4E-05	3.6E-02	3.4E-05	6.5E-03
TPH as motor oil	7.8E+01	7.1E+01	7.8E-05	NV	7.8E-05	NV

Table OCS-4.3b

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	1.5E-04	7.9E-05	1.5E-10	1.7E-10	1.5E-10	3.0E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
B(a)P equivalent = Benzo(a)pyrene equivalent.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.3c

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.2E+00	1.2E+00	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	6.7E+00	4.7E+00	6.7E-06	NV	6.7E-06	NV
Chromium, total	7.6E+01	7.6E+01	7.6E-05	NV	7.6E-05	NV
Copper	2.4E+01	2.1E+01	2.4E-05	NV	2.4E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	2.2E+01	1.5E+01	2.2E-05	NV	2.2E-05	NV
Mercury (inorganic)	8.1E-01	5.7E-01	8.1E-07	NV	8.1E-07	NV
Nitrate	5.4E+01	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	NS	3.0E+02	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	1.3E+00	1.3E+00	1.3E-06	NV	1.3E-06	NV
Zinc	6.2E+01	5.9E+01	6.2E-05	NV	6.2E-05	NV
Volatile Organic Compounds						
Bromomethane	2.4E-02	1.8E-02	2.4E-08	5.2E-05	2.4E-08	9.5E-06
Chloro methane	1.0E-02	7.9E-03	1.0E-08	2.8E-05	1.0E-08	5.1E-06
Chloroform	9.9E-03	7.5E-03	9.9E-09	1.2E-05	9.9E-09	2.1E-06
Isophorone	2.8E+01	1.7E+01	2.8E-05	NV	2.8E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	3.1E-01	2.5E-01	3.1E-07	NV	3.1E-07	NV
bis (2-ethylhexyl) phthalate	6.2E-01	5.2E-01	6.2E-07	NV	6.2E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCS-4.3c

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	3.5E-03	3.4E-03	3.5E-09	2.4E-07	3.5E-09	4.3E-08
2-Methyl naphthalene	2.0E-02	1.9E-02	2.0E-08	1.3E-06	2.0E-08	2.4E-07
Acenaphthene	1.9E-02	1.9E-02	1.9E-08	5.3E-07	1.9E-08	9.7E-08
Acenaphthylene	1.9E-02	1.9E-02	1.9E-08	NV	1.9E-08	NV
Anthracene	2.0E-02	2.0E-02	2.0E-08	1.6E-07	2.0E-08	2.8E-08
Benzo (ghi) perylene	3.2E-02	3.0E-02	3.2E-08	NV	3.2E-08	NV
Fluoranthene	7.0E-02	5.9E-02	7.0E-08	NV	7.0E-08	NV
Fluorene	1.9E-02	1.9E-02	1.9E-08	2.7E-07	1.9E-08	4.9E-08
Naphthalene	4.2E-03	4.1E-03	4.2E-09	3.6E-07	4.2E-09	6.5E-08
Phenanthrene	3.4E-02	3.2E-02	3.4E-08	NV	3.4E-08	NV
Pyrene	6.3E-02	5.3E-02	6.3E-08	8.8E-08	6.3E-08	1.6E-08
Pesticides						
4,4-DDE	1.2E-03	1.2E-03	1.2E-09	2.8E-09	1.2E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	1.0E-01	9.9E-02	1.0E-07	7.7E-07	1.0E-07	1.4E-07
Total Petroleum Hydrocarbons						
TPH as diesel	2.2E+01	1.7E+01	2.2E-05	3.6E-02	2.2E-05	6.5E-03
TPH as motor oil	7.5E+01	7.1E+01	7.5E-05	NV	7.5E-05	NV

Table OCS-4.3c

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	9.9E-05	7.9E-05	9.9E-11	1.7E-10	9.9E-11	3.0E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface I soil (0 to 6 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.3d
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Inorganics					
Antimony	1.2E+00	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	4.7E+00	4.7E-06	NV	4.7E-06	NV
Chromium, total	7.6E+01	7.6E-05	NV	7.6E-05	NV
Copper	2.1E+01	2.1E-05	NV	2.1E-05	NV
Cyanide	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	1.5E+01	1.5E-05	NV	1.5E-05	NV
Mercury (inorganic)	5.7E-01	5.7E-07	NV	5.7E-07	NV
Nitrate	5.4E+01	5.4E-05	NV	5.4E-05	NV
Orthophosphate	3.0E+02	3.0E-04	NV	3.0E-04	NV
Phosphate	3.6E+02	3.6E-04	NV	3.6E-04	NV
Thallium	1.3E+00	1.3E-06	NV	1.3E-06	NV
Zinc	5.9E+01	5.9E-05	NV	5.9E-05	NV
Volatile Organic Compounds					
Bromomethane	1.8E-02	1.8E-08	5.2E-05	1.8E-08	9.5E-06
Chloro methane	7.9E-03	7.9E-09	2.8E-05	7.9E-09	5.1E-06
Chloroform	7.5E-03	7.5E-09	1.2E-05	7.5E-09	2.1E-06
Isophorone	1.7E+01	1.7E-05	NV	1.7E-05	NV
Methyl acetate	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds					
4-Methylphenol	2.5E-01	2.5E-07	NV	2.5E-07	NV
bis (2-ethylhexyl) phthalate	5.2E-01	5.2E-07	NV	5.2E-07	NV
Butylbenzylphthalate	1.3E+01	1.3E-05	NV	1.3E-05	NV

Table OCS-4.3d
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	3.4E-03	3.4E-09	2.4E-07	3.4E-09	4.3E-08
2-Methyl naphthalene	1.9E-02	1.9E-08	1.3E-06	1.9E-08	2.4E-07
Acenaphthene	1.9E-02	1.9E-08	5.3E-07	1.9E-08	9.7E-08
Acenaphthylene	1.9E-02	1.9E-08	NV	1.9E-08	NV
Anthracene	2.0E-02	2.0E-08	1.6E-07	2.0E-08	2.8E-08
Benzo (ghi) perylene	3.0E-02	3.0E-08	NV	3.0E-08	NV
Fluoranthene	5.9E-02	5.9E-08	NV	5.9E-08	NV
Fluorene	1.9E-02	1.9E-08	2.7E-07	1.9E-08	4.9E-08
Naphthalene	4.1E-03	4.1E-09	3.6E-07	4.1E-09	6.5E-08
Phenanthrene	3.2E-02	3.2E-08	NV	3.2E-08	NV
Pyrene	5.3E-02	5.3E-08	8.8E-08	5.3E-08	1.6E-08
Pesticides					
4,4-DDE	1.2E-03	1.2E-09	2.8E-09	1.2E-09	5.2E-10
4,4-DDT	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls					
Total PCBs	9.9E-02	9.9E-08	7.7E-07	9.9E-08	1.4E-07
Total Petroleum Hydrocarbons					
TPH as diesel	1.7E+01	1.7E-05	3.6E-02	1.7E-05	6.5E-03
TPH as motor oil	7.1E+01	7.1E-05	NV	7.1E-05	NV

Table OCS-4.3d
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Dioxins/Furans					
TEQ Human	7.9E-05	7.9E-11	1.7E-10	7.9E-11	3.0E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of particulates in outdoor air. Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatile compounds in outdoor air. Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCS-4.3e
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics								
Antimony	1.2E+00	1.2E+00	8.6E-10	NV	8.6E-10	NV	1.4E-06	NV
Chromium, Hexavalent	1.9E+01	4.7E+00	1.4E-08	NV	1.4E-08	NV	2.2E-05	NV
Chromium, total	5.7E+01	7.6E+01	4.2E-08	NV	4.2E-08	NV	6.7E-05	NV
Copper	3.0E+01	2.1E+01	2.2E-08	NV	2.2E-08	NV	3.6E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	1.5E+01	1.5E+01	1.1E-08	NV	1.1E-08	NV	1.8E-05	NV
Mercury (inorganic)	3.2E-01	5.7E-01	2.3E-10	NV	2.3E-10	NV	3.8E-07	NV
Nitrate	5.4E+01	5.4E+01	4.0E-08	NV	4.0E-08	NV	6.4E-05	NV
Orthophosphate	NS	3.0E+02	NA	NV	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	2.6E-07	NV	2.6E-07	NV	4.2E-04	NV
Thallium	2.4E+00	1.3E+00	1.8E-09	NV	1.8E-09	NV	2.8E-06	NV
Zinc	6.3E+01	5.9E+01	4.6E-08	NV	4.6E-08	NV	7.4E-05	NV
Volatile Organic Compounds								
Bromomethane	ND	1.8E-02	NA	1.0E-05	NA	1.0E-05	NA	1.0E-05
Chloro methane	ND	7.9E-03	NA	5.4E-06	NA	5.4E-06	NA	5.4E-06
Chloroform	ND	7.5E-03	NA	2.3E-06	NA	2.3E-06	NA	2.3E-06
Isophorone	2.8E+00	1.7E+01	2.1E-09	NV	2.1E-09	NV	3.3E-06	NV
Methyl acetate	ND	1.7E-02	NA	1.7E-06	NA	1.7E-06	NA	1.7E-06
Semi-Volatile Organic Compounds								
4-Methylphenol	4.3E-01	2.5E-01	3.2E-10	NV	3.2E-10	NV	5.1E-07	NV
bis (2-ethylhexyl) phthalate	2.0E+00	5.2E-01	1.5E-09	NV	1.5E-09	NV	2.4E-06	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	3.8E-03	3.4E-03	2.8E-12	4.7E-08	2.8E-12	4.7E-08	4.5E-09	4.7E-08
2-Methyl naphthalene	2.0E-02	1.9E-02	1.5E-11	2.6E-07	1.5E-11	2.6E-07	2.4E-08	2.6E-07
Acenaphthene	2.0E-02	1.9E-02	1.5E-11	1.0E-07	1.5E-11	1.0E-07	2.3E-08	1.0E-07
Acenaphthylene	2.0E-02	1.9E-02	1.4E-11	NV	1.4E-11	NV	2.3E-08	NV
Anthracene	2.2E-02	2.0E-02	1.6E-11	3.1E-08	1.6E-11	3.1E-08	2.6E-08	3.1E-08
Benzo (ghi) perylene	4.3E-02	3.0E-02	3.2E-11	NV	3.2E-11	NV	5.1E-08	NV
Fluoranthene	1.3E-01	5.9E-02	9.4E-11	NV	9.4E-11	NV	1.5E-07	NV

Table OCS-4.3e
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Fluorene	1.9E-02	1.9E-02	1.4E-11	5.3E-08	1.4E-11	5.3E-08	2.3E-08	5.3E-08
Naphthalene	4.2E-03	4.1E-03	3.1E-12	7.0E-08	3.1E-12	7.0E-08	5.0E-09	7.0E-08
Phenanthrene	5.2E-02	3.2E-02	3.8E-11	NV	3.8E-11	NV	6.1E-08	NV
Pyrene	1.1E-01	5.3E-02	8.3E-11	1.7E-08	8.3E-11	1.7E-08	1.3E-07	1.7E-08
Pesticides								
4,4-DDE	6.1E-03	1.2E-03	4.5E-12	5.6E-10	4.5E-12	5.6E-10	7.2E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV
Polychlorinated Biphenyls								
Total PCBs	1.3E-01	9.9E-02	9.2E-11	1.5E-07	9.2E-11	1.5E-07	1.5E-07	1.5E-07
Total Petroleum Hydrocarbons								
TPH as diesel	5.4E+01	1.7E+01	3.9E-08	7.0E-03	3.9E-08	7.0E-03	6.3E-05	7.0E-03
TPH as motor oil	1.2E+02	7.1E+01	8.6E-08	NV	8.6E-08	NV	1.4E-04	NV
Dioxins/Furans								
TEQ Human	2.1E-04	7.9E-05	1.5E-13	3.3E-11	1.5E-13	3.3E-11	2.5E-10	3.3E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers and hikers) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009) and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at: http://www.epa.gov/region09/toxic/noa/clearcreek/pdf/CCMARiskDoc24Apr08-withoutAppxG.pdf

USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA_Addendum.pdf

Table OCS-4.3f
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics								
Antimony	1.4E+00	1.2E+00	1.0E-09	NV	1.0E-09	NV	1.6E-06	NV
Chromium, Hexavalent	1.2E+01	4.7E+00	9.1E-09	NV	9.1E-09	NV	1.5E-05	NV
Chromium, total	7.3E+01	7.6E+01	5.4E-08	NV	5.4E-08	NV	8.7E-05	NV
Copper	3.1E+01	2.1E+01	2.3E-08	NV	2.3E-08	NV	3.7E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	3.7E+01	1.5E+01	2.8E-08	NV	2.8E-08	NV	4.4E-05	NV
Mercury (inorganic)	5.0E-01	5.7E-01	3.7E-10	NV	3.7E-10	NV	5.9E-07	NV
Nitrate	5.4E+01	5.4E+01	4.0E-08	NV	4.0E-08	NV	6.4E-05	NV
Orthophosphate	NS	3.0E+02	NA	NV	NA	NV	NA	NV
Phosphate	3.6E+02	3.6E+02	2.6E-07	NV	2.6E-07	NV	4.2E-04	NV
Thallium	1.3E+00	1.3E+00	9.2E-10	NV	9.2E-10	NV	1.5E-06	NV
Zinc	6.8E+01	5.9E+01	5.0E-08	NV	5.0E-08	NV	8.0E-05	NV
Volatile Organic Compounds								
Bromomethane	2.6E-02	1.8E-02	1.9E-11	1.0E-05	1.9E-11	1.0E-05	3.1E-08	1.0E-05
Chloro methane	1.1E-02	7.9E-03	8.1E-12	5.4E-06	8.1E-12	5.4E-06	1.3E-08	5.4E-06
Chloroform	1.1E-02	7.5E-03	8.1E-12	2.3E-06	8.1E-12	2.3E-06	1.3E-08	2.3E-06
Isophorone	2.9E+01	1.7E+01	2.1E-08	NV	2.1E-08	NV	3.4E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.3E-11	1.7E-06	1.3E-11	1.7E-06	2.0E-08	1.7E-06
Semi-Volatile Organic Compounds								
4-Methylphenol	3.5E-01	2.5E-01	2.5E-10	NV	2.5E-10	NV	4.1E-07	NV
bis (2-ethylhexyl) phthalate	5.8E-01	5.2E-01	4.3E-10	NV	4.3E-10	NV	6.9E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	3.6E-03	3.4E-03	2.7E-12	4.7E-08	2.7E-12	4.7E-08	4.3E-09	4.7E-08
2-Methyl naphthalene	2.0E-02	1.9E-02	1.5E-11	2.6E-07	1.5E-11	2.6E-07	2.3E-08	2.6E-07
Acenaphthene	2.0E-02	1.9E-02	1.4E-11	1.0E-07	1.4E-11	1.0E-07	2.3E-08	1.0E-07
Acenaphthylene	2.0E-02	1.9E-02	1.4E-11	NV	1.4E-11	NV	2.3E-08	NV
Anthracene	2.1E-02	2.0E-02	1.5E-11	3.1E-08	1.5E-11	3.1E-08	2.4E-08	3.1E-08
Benzo (ghi) perylene	3.7E-02	3.0E-02	2.7E-11	NV	2.7E-11	NV	4.4E-08	NV
Fluoranthene	9.4E-02	5.9E-02	6.9E-11	NV	6.9E-11	NV	1.1E-07	NV

Table OCS-4.3f
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Fluorene	2.0E-02	1.9E-02	1.5E-11	5.3E-08	1.5E-11	5.3E-08	2.3E-08	5.3E-08
Naphthalene	4.4E-03	4.1E-03	3.2E-12	7.0E-08	3.2E-12	7.0E-08	5.2E-09	7.0E-08
Phenanthrene	4.2E-02	3.2E-02	3.1E-11	NV	3.1E-11	NV	5.0E-08	NV
Pyrene	8.1E-02	5.3E-02	6.0E-11	1.7E-08	6.0E-11	1.7E-08	9.6E-08	1.7E-08
Pesticides								
4,4-DDE	1.2E-03	1.2E-03	8.7E-13	5.6E-10	8.7E-13	5.6E-10	1.4E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV
Polychlorinated Biphenyls								
Total PCBs	1.1E-01	9.9E-02	8.2E-11	1.5E-07	8.2E-11	1.5E-07	1.3E-07	1.5E-07
Total Petroleum Hydrocarbons								
TPH as diesel	3.4E+01	1.7E+01	2.5E-08	7.0E-03	2.5E-08	7.0E-03	4.0E-05	7.0E-03
TPH as motor oil	7.8E+01	7.1E+01	5.7E-08	NV	5.7E-08	NV	9.2E-05	NV
Dioxins/Furans								
TEQ Human	1.5E-04	7.9E-05	1.1E-13	3.3E-11	1.1E-13	3.3E-11	1.7E-10	3.3E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers and hikers) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009)and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at: http://www.epa.gov/region09/toxic/noa/clearcreek/pdf/CCMARiskDoc24Apr08-withoutAppxG.pdf

USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA_Addendum.pdf

Table OCS-4.4

Human Health Risk and Hazard Estimate Summary at OCS for the Baseline Scenario Using Depth-Weighted Exposure Point Concentrations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Receptor	Depth Interval	ILCR	HI
Short-Term Maintenance Worker	Surface	3E-06	2E-01
	Shallow	2E-06	1E-01
	Subsurface I	1E-06	1E-01
	Subsurface II	9E-07	1E-01
Long-Term Maintenance Worker	Surface	2E-05	9E-02
	Shallow	2E-05	7E-02
	Subsurface I	9E-06	7E-02
	Subsurface II	7E-06	6E-02
Recreational User - Camper	Surface	3E-06	1E-01
	Shallow	2E-06	9E-02
Recreational User - Hiker	Surface	6E-06	3E-01
	Shallow	5E-06	2E-01
Recreational User - Hunter	Surface	4E-07	2E-02
	Shallow	3E-07	1E-02
Recreational User - OHV Rider	Surface	1E-05	6E-02
	Shallow	8E-06	4E-02
Tribal User	Surface	1E-08	3E-04
	Shallow	9E-09	3E-04

Abbreviations:
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index

Table OCS-4.5
Human Health Risk and Hazard Estimate Summary at OCS for the Baseline Scenario Using Area-Weighted Exposure Point Concentrations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Receptor	Depth Interval	ILCR	HI
Short-Term Maintenance Worker	Surface	2E-06	2E-01
	Shallow	1E-06	1E-01
	Subsurface I	7E-07	1E-01
	Subsurface II	5E-07	1E-01
Long-Term Maintenance Worker	Surface	1E-05	1E-01
	Shallow	9E-06	7E-02
	Subsurface I	5E-06	6E-02
	Subsurface II	4E-06	5E-02
Recreational User - Camper	Surface	2E-06	2E-01
	Shallow	2E-06	1E-01
Recreational User - Hiker	Surface	5E-06	4E-01
	Shallow	3E-06	2E-01
Recreational User - OHV Rider	Surface	7E-06	6E-02
	Shallow	5E-06	4E-02

Abbreviations:
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index

Table OCS-5.1
Summary of COPECs Evaluated in the ERA for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC[a]	Baseline (0-6 ft bgs)
Inorganics	
Antimony	X
Chromium, hexavalent	X
Chromium, total	X
Copper	X
Cyanide	X
Lead	X
Mercury	X
Thallium	X
Zinc	X
Volatile Organic Compounds	
Bromomethane	X
Chloro methane	X
Chloroform	X
Methyl acetate	X
Semi-Volatile Organic Compounds	
4-Methylphenol	X
Bis (2-ethylhexyl) phthalate	X
Isophorone	X
Polycyclic Aromatic Hydrocarbons	
PAH Low molecular weight	X
PAH High molecular weight	X
Pesticides	
4,4-DDT	X
4,4-DDE	X
Alpha-Chlordane	X
Dieldrin	X
Gamma-Chlordane	X
Polychlorinated Biphenyls	
Total PCBs	X
Dioxins	
TEQ Avian	X
TEQ Mammals	X
2,3,7,8-TCDD	X
Total Petroleum Hydrocarbons	
TPH as diesel	X
TPH as motor oil	X

Notes:
[a] COPECs selected over the entire soil depth interval (0-6 ft bgs) potentially contacted by ecological receptors. COPECs based on background screening for metals, PAHs, and dioxins. All detected organic compounds were selected as COPECs. See Section 2 of Appendix OCS for details.

Abbreviations:
AOC = area of concern
COPEC = constituent of potential ecological concern
ERA = ecological risk assessment
ft bgs = feet below ground surface
OCS = Outside Compressor Station
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyl
TEQ = toxic equivalent
TPH = total petroleum hydrocarbon
X = COPEC in that exposure depth interval

Table OCS-5.2
Soil Exposure Point Concentration Matrix for Terrestrial Ecological Receptors

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Ecological Receptor	Exposure Depth Intervals for Calculation of EPCs				
	Soil EPCs[a]		Biota Tissue EPCs		
	All AOCs		All AOCs		
	0-0.5 ft bgs	Maximum EPC (0-0.5, 0-3, 0-6 ft bgs)	Plants - Maximum EPC (0-0.5, 0-3, 0-6 ft bgs)	Insects (0-0.5 ft bgs)	Invertivorous Mammals (0-0.5 ft bgs)
Terrestrial Receptors					
Red-Tailed Hawk	X				X
Desert Kit Fox		X			X
Nelson's Desert Bighorn Sheep		X	X		

Notes:

[a] Exposure point concentrations for ecological receptors will be represented by the maximum detected concentation, depth-weighted 95% UCL, and spatially-weighted 95% UCL, as relevant for this AOC. See Section 5 of Appendix OCS for details.

Abbreviations:

95% UCL = 95 percent upper confidence limit
AOC = area of concern
EPC = exposure point concentration
ft bgs = feet below ground surface
OCS = Outside Compressor Station
X = representative EPC for the pathway/receptor

Table OCS-5.3
Baseline Scenario Depth-Weighted Exposure Point Concentrations for Soil and Biota for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Inorganics								
Antimony	mg/kg	**1.19E+00**	4.77E-01	4.22E-01	**4.64E-02**	1.97E-02	1.76E-02	5.95E-02
Chromium, hexavalent	mg/kg	**3.32E+01**	2.24E+01	1.26E+01	**1.36E+00**	9.18E-01	5.17E-01	3.04E+00
Chromium, total	mg/kg	1.29E+02	1.59E+02	**1.99E+02**	5.29E+00	6.52E+00	**8.16E+00**	8.22E+00
Copper	mg/kg	**6.00E+01**	5.99E+01	4.57E+01	**9.79E+00**	9.78E+00	8.79E+00	1.39E+01
Cyanide	mg/kg	**2.20E-01** m	**2.20E-01** m	**2.20E-01** m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Lead	mg/kg	2.89E+01	**3.81E+01**	2.57E+01	1.75E+00	**2.04E+00**	1.64E+00	4.78E+00
Mercury	mg/kg	5.02E-01	9.24E-01	**1.37E+00**	2.54E-01	3.54E-01	**4.38E-01**	9.64E-02
Thallium	mg/kg	**2.40E+00** m	5.25E-01	5.55E-01	**9.60E-03**	2.10E-03	2.22E-03	2.69E-01
Zinc	mg/kg	9.82E+01	**1.04E+02**	9.19E+01	6.13E+01	**6.33E+01**	5.91E+01	1.09E+02
Volatile Organic Compounds								
Bromomethane	mg/kg	-- nd	**2.60E-02** m	2.35E-02 m	--	**0.00E+00**	**0.00E+00**	--
Chloro methane	mg/kg	-- nd	**1.10E-02** m	1.01E-02 m	--	**0.00E+00**	**0.00E+00**	--
Chloroform	mg/kg	-- nd	**1.10E-02** m	9.89E-03 m	--	**0.00E+00**	**0.00E+00**	--
Methyl acetate	mg/kg	-- nd	**1.70E-02** m	**1.70E-02** m	--	**0.00E+00**	**0.00E+00**	--
Semi-Volatile Organic Compounds								
4-Methylphenol	mg/kg	**4.30E-01** m	3.45E-01 m	3.13E-01 m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Bis (2-ethylhexyl) phthalate	mg/kg	**2.00E+00** m	1.77E-01	1.97E-01	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Isophorone	mg/kg	2.80E+00 m	**2.86E+01** m	2.83E+01 m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Polycyclic Aromatic Hydrocarbons								
PAH Low molecular weight	mg/kg	**1.70E-01**	1.26E-01	8.94E-02	**1.19E-01**	1.04E-01	8.91E-02	0.00E+00
PAH High molecular weight	mg/kg	**2.23E+00**	1.68E+00	1.18E+00	**3.90E-01**	2.98E-01	2.13E-01	0.00E+00
Pesticides								
4,4-DDT	mg/kg	**3.00E-03** m	**3.00E-03** m	**3.00E-03** m	**1.03E-03**	**1.03E-03**	**1.03E-03**	3.90E-01
4,4-DDE	mg/kg	**6.10E-03** m	1.21E-03	1.18E-03	**1.75E-03**	5.18E-04	5.08E-04	1.05E+01
Alpha-Chlordane	mg/kg	**1.20E-02** m	**1.20E-02** m	**1.20E-02** m	**2.28E-03**	**2.28E-03**	**2.28E-03**	3.50E-01
Dieldrin	mg/kg	**6.70E-03** m	**6.70E-03** m	**6.70E-03** m	**2.75E-03**	**2.75E-03**	**2.75E-03**	1.18E-01
Gamma-Chlordane	mg/kg	**1.30E-02** m	**1.30E-02** m	**1.30E-02** m	**2.47E-03**	**2.47E-03**	**2.47E-03**	3.79E-01

Table OCS-5.3
Baseline Scenario Depth-Weighted Exposure Point Concentrations for Soil and Biota for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Polychlorinated Biphenyls								
Total PCBs	mg/kg	**5.05E-01**	4.97E-01	4.73E-01	**5.05E-03**	4.97E-03	4.73E-03	4.04E-02
Dioxins								
TEQ Avian	ng/kg	6.12E+01	6.97E+01	**7.25E+01**	3.43E-01	3.90E-01	**4.06E-01**	5.26E+01
TEQ Mammals	ng/kg	1.03E+02	1.14E+02	**1.18E+02**	5.77E-01	6.38E-01	**6.61E-01**	9.32E+01
2,3,7,8-TCDD	ng/kg	1.86E-01	3.17E-01	**3.29E-01**	--	--	--	--

Notes:

[a] Calculated using selected soil EPC and uptake model. See Section 6 of the main report.

[b] Biota EPCs equal to 0.0 indicate no bioaccumulation from soil.

Bold indicates EPC selected to estimate plant uptake from soil (maximum of surface, shallow, and subsurface I soil).

Abbreviations:

-- = soil EPC or uptake model not available, biota EPCs could not be estimated.
AOC = area of concern
EPC = exposure point concentration
ft bgs = feet below ground surface
m = maximum depth-weighted concentration
mg/kg = milligrams per kilogram
nd = not detected in this depth interval
ng/kg = nanograms per kilogram
OCS = Outside Compressor Station

Table OCS-5.4a
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	6E-02	6E-03	1E-01	1E-02	--	--	--	--	--	--
Chromium, hexavalent	1E-01	1E-02	2E-02	4E-03	2E-02	4E-03	--	--	--	--	--	--
Chromium, total	3E-01	5E-02	2E-01	5E-02	4E-01	1E-01	--	--	--	--	--	--
Copper	3E-01	1E-01	1E-01	6E-02	7E-02	4E-02	5E-01	2E-02	2E-01	9E-04	2E-01	8E-04
Cyanide	6E-03	6E-04	5E-05	2E-05	3E-04	1E-04	--	--	--	--	--	--
Lead	3E-01	1E-01	4E-02	2E-02	5E-02	3E-02	**3E+01**	5E-02	2E-01	9E-04	3E-01	1E-03
Mercury	2E-01	5E-02	2E-02	1E-03	6E-02	4E-03	2E-01	5E-02	2E-02	1E-03	6E-02	4E-03
Thallium	7E-02	7E-03	2E-02	8E-03	3E-02	1E-02	--	--	2E-02	8E-03	3E-02	1E-02
Zinc	1E-01	5E-02	5E-02	1E-02	2E-02	4E-03	5E-01	5E-02	4E-01	1E-02	2E-01	4E-03
Volatile Organic Compounds												
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	7E-07	3E-07	4E-06	2E-06	--	--	--	--	--	--
Methyl acetate	--	--	2E-07	5E-08	1E-06	3E-07	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phth	2E-03	2E-04	1E-04	1E-05	7E-04	7E-05	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	8E-06	8E-07	3E-06	5E-07	4E-05	7E-06	--	--	3E-06	1E-06	6E-05	2E-05
PAH High molecular weight	2E-04	2E-05	4E-03	7E-04	2E-02	5E-03	--	--	2E-03	7E-05	2E-02	7E-04
Pesticides												
4,4-DDT	1E-01	1E-02	9E-02	2E-02	3E-04	5E-05	**3E+00**	2E-02	2E-02	9E-04	5E-05	2E-06
4,4-DDE	**4E+00**	4E-01	**3E+00**	5E-01	5E-04	1E-04	**9E+01**	1E+00	5E-01	2E-02	8E-05	4E-06
Alpha-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	1E-05	--	--	--	--	--	--
Dieldrin	1E-01	2E-03	3E-01	1E-01	6E-03	3E-03	--	--	--	--	--	--
Gamma-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	2E-05	--	--	--	--	--	--

Table OCS-5.4a
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
Polychlorinated Biphenyls												
Total PCBs	4E-02	3E-03	5E-03	2E-03	9E-03	3E-03	4E-02	3E-03	5E-03	2E-03	9E-03	3E-03
Dioxins												
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	3E-01	3E-02	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	**3E+00**	3E-01	7E-01	7E-02	--	--	--	--	--	--

Notes:

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
OCS = Outside Compressor Station
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table OCS-5.4b

Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs and BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 0.02		SUF = 0.01		SUF = 0.03		SUF = 0.02		SUF = 0.01		SUF = 0.03	
	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	7E-04	7E-05	4E-03	4E-04	--	--	--	--	--	--
Chromium, hexavalent	2E-03	2E-04	2E-04	5E-05	5E-04	1E-04	--	--	--	--	--	--
Chromium, total	5E-03	8E-04	3E-03	6E-04	1E-02	3E-03	--	--	--	--	--	--
Copper	4E-03	1E-03	1E-03	7E-04	2E-03	1E-03	8E-03	3E-04	3E-03	1E-05	7E-03	2E-05
Cyanide	9E-05	9E-06	6E-07	2E-07	8E-06	3E-06	--	--	--	--	--	--
Lead	4E-03	2E-03	6E-04	3E-04	2E-03	9E-04	5E-01	7E-04	3E-03	1E-05	8E-03	4E-05
Mercury	3E-03	7E-04	2E-04	1E-05	2E-03	1E-04	3E-03	7E-04	2E-04	1E-05	2E-03	1E-04
Thallium	1E-03	1E-04	3E-04	1E-04	9E-04	3E-04	--	--	3E-04	1E-04	9E-04	3E-04
Zinc	2E-03	8E-04	7E-04	2E-04	5E-04	1E-04	8E-03	8E-04	5E-03	1E-04	6E-03	1E-04
Volatile Organic Compounds												
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	9E-09	3E-09	1E-07	5E-08	--	--	--	--	--	--
Methyl acetate	--	--	2E-09	6E-10	3E-08	8E-09	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phthalate	3E-05	3E-06	1E-06	1E-07	2E-05	2E-06	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	1E-07	1E-08	3E-08	6E-09	1E-06	2E-07	--	--	4E-08	1E-08	2E-06	6E-07
PAH High molecular weight	4E-06	4E-07	5E-05	9E-06	7E-04	1E-04	--	--	2E-05	8E-07	5E-04	2E-05
Pesticides												
4,4-DDT	2E-03	2E-04	1E-03	2E-04	8E-06	2E-06	5E-02	3E-04	2E-04	1E-05	1E-06	7E-08
4,4-DDE	6E-02	6E-03	3E-02	6E-03	2E-05	3E-06	1E+00	2E-02	6E-03	3E-04	3E-06	1E-07
Alpha-Chlordane	2E-04	4E-05	3E-05	2E-05	8E-07	4E-07	--	--	--	--	--	--
Dieldrin	2E-03	4E-05	4E-03	2E-03	2E-04	9E-05	--	--	--	--	--	--
Gamma-Chlordane	2E-04	4E-05	4E-05	2E-05	9E-07	5E-07	--	--	--	--	--	--

Table OCS-5.4b

Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs and BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
Polychlorinated Biphenyls												
Total PCBs	6E-04	5E-05	7E-05	2E-05	3E-04	8E-05	6E-04	5E-05	7E-05	2E-05	3E-04	8E-05
Dioxins												
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	5E-03	5E-04	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	4E-02	4E-03	2E-02	2E-03	--	--	--	--	--	--

Notes:

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
OCS = Outside Compressor Station
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table OCS-6.1
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs) for Outside the Compressor Station

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	HQs based on Selected TRVs								
	Red-Tailed Hawk			Desert Kit Fox			Nelson's Desert Bighorn Sheep		
	Depth-Weighted SUF = 0.02		WOE Result[a]	Depth-Weighted SUF = 0.01		WOE Result[a]	Depth-Weighted SUF = 0.03		WOE Result[a]
	NOAEL	LOAEL		NOAEL	LOAEL		NOAEL	LOAEL	
Inorganics									
Antimony	--	--	--	7E-04	7E-05	HQ ≤ 1	4E-03	4E-04	HQ ≤ 1
Chromium, hexavalent	2E-03	2E-04	HQ ≤ 1	2E-04	5E-05	HQ ≤ 1	5E-04	1E-04	HQ ≤ 1
Chromium, total	5E-03	8E-04	HQ ≤ 1	3E-03	6E-04	HQ ≤ 1	1E-02	3E-03	HQ ≤ 1
Copper	4E-03	1E-03	HQ ≤ 1	1E-03	7E-04	HQ ≤ 1	2E-03	1E-03	HQ ≤ 1
Cyanide	9E-05	9E-06	HQ ≤ 1	6E-07	2E-07	HQ ≤ 1	8E-06	3E-06	HQ ≤ 1
Lead	4E-03	2E-03	HQ ≤ 1	6E-04	3E-04	HQ ≤ 1	2E-03	9E-04	HQ ≤ 1
Mercury	3E-03	7E-04	HQ ≤ 1	2E-04	1E-05	HQ ≤ 1	2E-03	1E-04	HQ ≤ 1
Thallium	1E-03	1E-04	HQ ≤ 1	3E-04	1E-04	HQ ≤ 1	9E-04	3E-04	HQ ≤ 1
Zinc	2E-03	8E-04	HQ ≤ 1	7E-04	2E-04	HQ ≤ 1	5E-04	1E-04	HQ ≤ 1
Volatile Organic Compounds									
Bromomethane	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	9E-09	3E-09	HQ ≤ 1	1E-07	5E-08	HQ ≤ 1
Methyl acetate	--	--	--	2E-09	6E-10	HQ ≤ 1	3E-08	8E-09	HQ ≤ 1
Semi-Volatile Organic Compounds									
4-Methylphenol	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phthalate	3E-05	3E-06	HQ ≤ 1	1E-06	1E-07	HQ ≤ 1	2E-05	2E-06	HQ ≤ 1
Isophorone	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	1E-07	1E-08	HQ ≤ 1	3E-08	6E-09	HQ ≤ 1	1E-06	2E-07	HQ ≤ 1
PAH High molecular weight	4E-06	4E-07	HQ ≤ 1	5E-05	9E-06	HQ ≤ 1	7E-04	1E-04	HQ ≤ 1
Pesticides									
4,4-DDT	2E-03	2E-04	HQ ≤ 1	1E-03	2E-04	HQ ≤ 1	8E-06	2E-06	HQ ≤ 1
4,4-DDE	6E-02	6E-03	HQ ≤ 1	3E-02	6E-03	HQ ≤ 1	2E-05	3E-06	HQ ≤ 1
Alpha-Chlordane	2E-04	4E-05	HQ ≤ 1	3E-05	2E-05	HQ ≤ 1	8E-07	4E-07	HQ ≤ 1
Dieldrin	2E-03	4E-05	HQ ≤ 1	4E-03	2E-03	HQ ≤ 1	2E-04	9E-05	HQ ≤ 1
Gamma-Chlordane	2E-04	4E-05	HQ ≤ 1	4E-05	2E-05	HQ ≤ 1	9E-07	5E-07	HQ ≤ 1
Polychlorinated Biphenyls									
Total PCBs	6E-04	5E-05	HQ ≤ 1	7E-05	2E-05	HQ ≤ 1	3E-04	8E-05	HQ ≤ 1
Dioxins									
TEQ Avian	5E-03	5E-04	HQ ≤ 1	--	--	--	--	--	--
TEQ Mammals	--	--	--	4E-02	4E-03	HQ ≤ 1	2E-02	2E-03	HQ ≤ 1

Table OCS-6.1
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs) for Outside the Compressor Station

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:
[a] WOE Result is risk conclusion based on 1.) HQ/LOAEL HQ using depth-weighted EPCs, and 2.) supporting LOE. Area-weighted EPCs were not evalauted for this exposure area.

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:
-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
HQ = hazard quotient
LOE = line of evidence
LOAEL = lowest observed adverse effect level
ND = not detected
NOAEL = no-observed adverse effect level
no SL = no screening level available
TEQ = toxic equivalent
WOE = weight of evidence, considering multiple LOE. If HQs/LOAEL HQs > 1, WOE Result is either 1) not expected, 2) unlikely, or 3) possible.

Table OCS-6.2
Risk Conclusions and Lines of Evidence Summary for Outside the Compressor Station (Including BCW)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

AOC	Receptor	COPEC[a]	Area-Weighted HQs: Mammal/ Bird NOAEL	Area-Weighted HQs: Mammal/ Bird LOAEL	Additional Lines of Evidence[c]: Low FOD (Max = EPC)[b]	Locations > BTV	Locations > 10xBTV	Background HQs[d]: NOAEL	Background HQs[d]: LOAEL	BAFs	Quality of SL or TRV	Exposure Assumptions[e]	Observation of T&E species[f]	Other LOE	Risk Conclusions: Individuals	Risk Conclusions: Populations	Risk Driver (LOAEL HQ > 1 and Supporting LOE)[g]
Large Home Range Receptors																	
Outside the Compressor Station (Including BCW)	Desert kit fox	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No
	Nelson's Desert Bighorn Sheep	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No
	Red-tailed hawk	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No

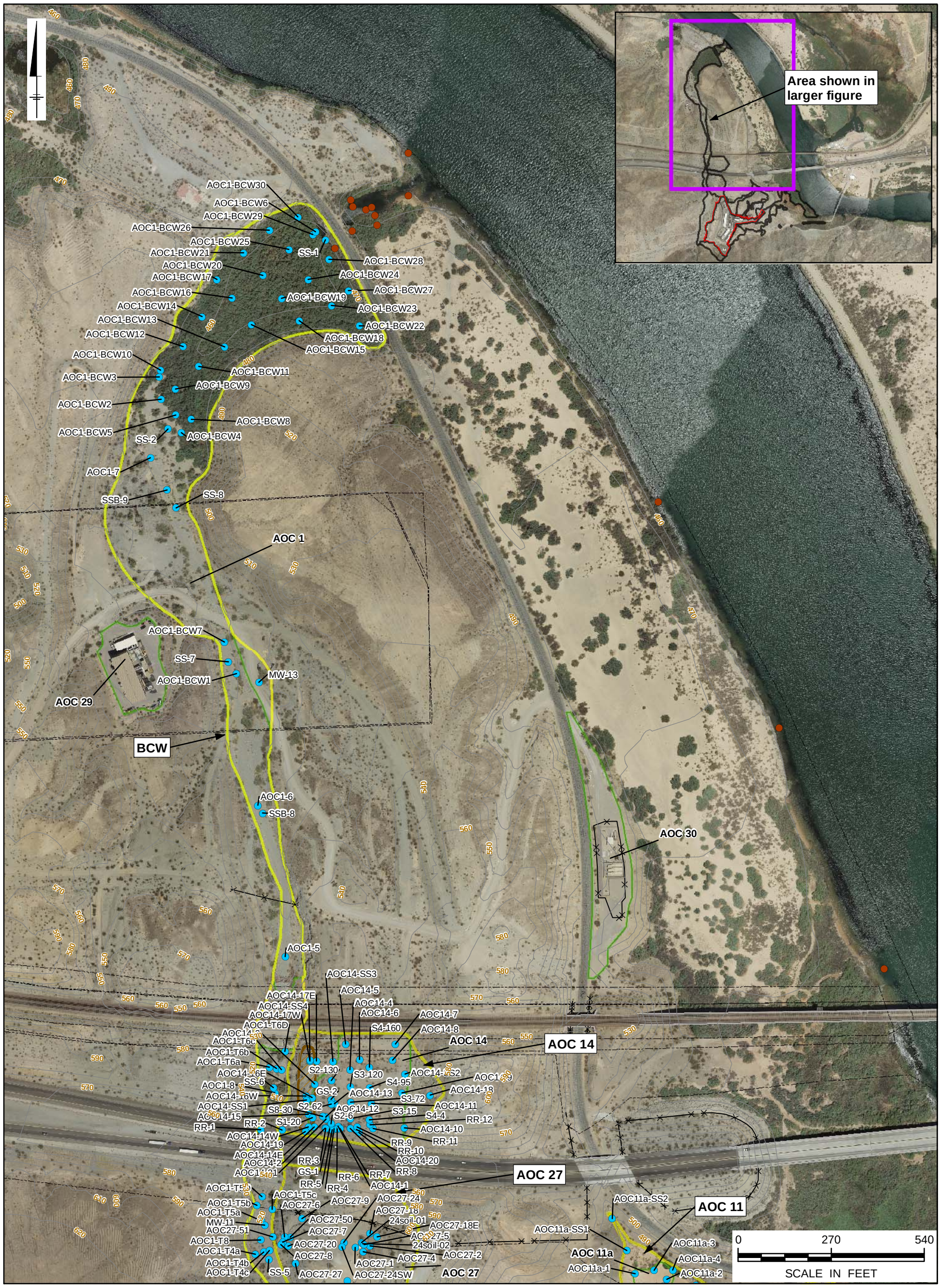
Notes:
a COPECs are presented for HQs greater than 1 based on the depth-weighted EPC and/or area-weighted EPC and species and site-specific SUF.
b The EPC is based on the maximum depth-weighted concentration due to the small dataset size.
c The additional lines of evidence for COPECs with NOAEL and LOAEL HQs less than or equal to 1 (based on the area-weighted EPC and species and site-specific SUF) are not included in the table.
d For plants and soil invertebrates, the background HQ is based on the BTV. For mammals and birds, the NOAEL and LOAEL background HQs are based on the 95 percent upper confidence limit.
e Applicable to wildlife, unless noted.
f In areas where observations were noted, the T&E species observed have large home ranges and unlikely to forage in upland habitat. See text for details.
g For dioxin TEQ, LOAEL HQs less than 10 with supporting LOE were considered unlikely to pose an unacceptable risk to populations of wildlife receptors due to the compounded conservative assumptions included in the ecological risk assessment. See Section 6.7.6 of the main report.
h Depth-weighted EPC resulted in an HQ or NOAEL-based HQ less than 1, and is less than the area-weighted HQ or NOAEL-based HQ.
i Although a BTV is n LOAEL and NOAEL HQs ≤ 1 for the receptor

LOAEL and NOAEL HQs ≤ 1 for the receptor

Abbreviations:
"--" = not applicable
AOC = area of concern
BAF = bioaccumulation factor
BG NA = background value not available
BTV = background threshold value
COPEC = constituent of potential ecological concern
EPC = exposure point concentration
FOD = frequency of detection
HQ = hazard quotient
LOAEL = lowest observed adverse effect limit
LOE = line of evidence
MDC = maximum depth-weighted concentration
NC = not calculated
NOAEL = no observed adverse effect limit
SL = screening level
SWMU 1 = solid waste management unit 1
T&E = threatened and endangered
TCS-4= Topock Compressor Station Well #4
TEQ = toxic equivalent
TRV = toxicity reference value

FIGURES

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Legend:

- Soil Sampling Location
- Sediment Sampling Location
- Area of Concern
- Solid Waste Management Unit
- OCS Exposure Area
- Exposure Area
- Potential Burning Related Location
- Fencing
- Property Boundaries
- Contour Line (10 feet interval)
- Inside the Topock Compressor Station boundary, as defined by current fenceline
- AOC 14 — Label for Exposure Area
- AOC 14 — Label for Area of Concern

Notes:

1. All sample locations with a labeled location ID are included in Outside the Compressor Station (OCS) exposure areas.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

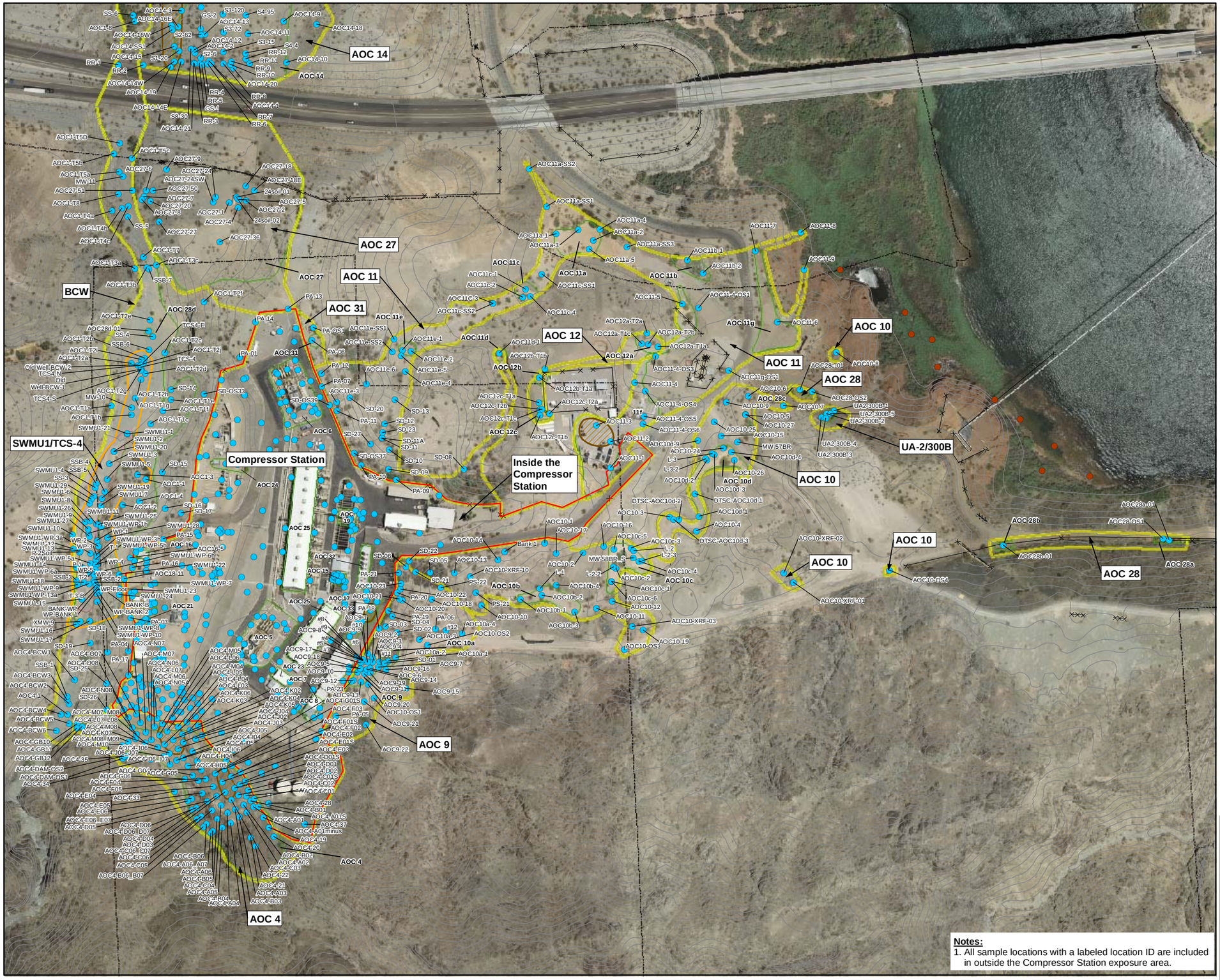
SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

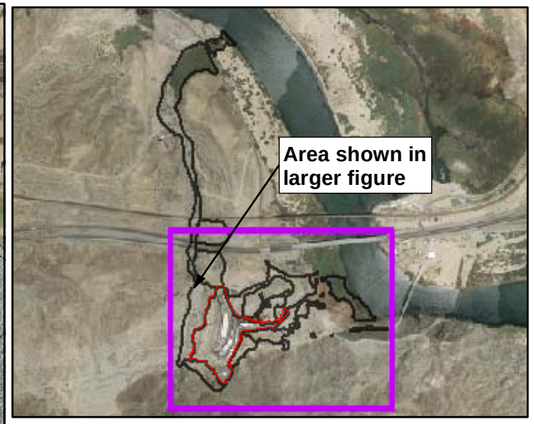
SOIL SAMPLING LOCATIONS EXPOSURE AREAS OUTSIDE COMPRESSOR STATION - NORTH

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-1.1a

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Legend:

- Soil Sampling Location
- Sediment Sampling Location
- Area of Concern
- Solid Waste Management Unit
- Potential Burning Related Location
- Outside Compressor Station Exposure Area
- SWMU1 Exposure Area
- Exposure Area
- Property Boundaries
- Contour Line (10 feet interval)
- Fencing
- Inside the Topock Compressor Station boundary, as defined by current fenceline

AOC 28 Label for Exposure Area

AOC 28a Label for Area of Concern

0 240 480

SCALE IN FEET

Notes:

1. All sample locations with a labeled location ID are included in outside the Compressor Station exposure area.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

SOIL SAMPLING LOCATIONS EXPOSURE AREAS OUTSIDE COMPRESSOR STATION - SOUTH

ARCADIS Design & Consultancy for natural and built assets

FIGURE

OCS-1.1b

ATTACHMENT A

Dataset and Exposure Point Concentration Calculations for the OCS HHERA

Attachment OCS-A
Dataset and Exposure Point Concentration Calculations for the OCS HHERA

Attachment OCS-A1

Table OCS-A1	Dataset for All Areas Outside the Compressor Station HHERA

Attachment OCS-A2 (provided separately as excel files)

Table OCS-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Including BCW_Baseline_0-005
Table OCS-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Including BCW_Baseline_0-03
Table OCS-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Including BCW_Baseline_0-06
Table OCS-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Including BCW_Baseline_0-10
Table OCS-A2	ProUCL Input Files: Outside Compressor Station Including BCW_Baseline_0-005_forProUCL
Table OCS-A2	ProUCL Input Files: Outside Compressor Station Including BCW_Baseline_0-03_forProUCL
Table OCS-A2	ProUCL Input Files: Outside Compressor Station Including BCW_Baseline_0-06_forProUCL
Table OCS-A2	ProUCL Input Files: Outside Compressor Station Including BCW_Baseline_0-10_forProUCL
Table OCS-A2	ProUCL Input Files: Outside Compressor Station Including BCW_ExcludingSWMU1&AOC10-20
Table OCS-A2	ProUCL Output Files: Outside Compressor Station Including BCW_Baseline_0-005_UCLs
Table OCS-A2	ProUCL Output Files: Outside Compressor Station Including BCW_Baseline_0-03_UCLs
Table OCS-A2	ProUCL Output Files: Outside Compressor Station Including BCW_Baseline_0-06_UCLs
Table OCS-A2	ProUCL Output Files: Outside Compressor Station Including BCW_Baseline_0-10_UCLs
Table OCS-A2	ProUCL Output Files: Outside Compressor Station Including BCW_ExcludingSWMU1&AOC10-20

Attachment OCS-A3 (Tables provided separately as excel files)

OCS-A3 Tables	OCS_Input Samples Area-Weighted
	OCS_Output Area-Weighted UCL-BCA
	OCS+BCW_Input Samples Area-Weighted_xSWMU1+AOC10-20
	OCS+BCW_Output Area-Weighted UCL-BCA_xSWMU1+AOC10-20
OCS-A3 Figures	Figures List Provided at Start of: OCS Figures_ThiessenAreaWeighting

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.9 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.7 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.9 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.23 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6300
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	8.9	--	9.62	9.75	9.66	9.6	8.95	9.67	8.8	9.1	8.44	8.19	8.06	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	0.4 U	0.4 U	2 U	2 U	2 U	2 U	2.1 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	3.1	2.9	3.7	4.2	4.9	4.7	3.1
Barium	mg/kg	--	--	--	--	--	--	--	--	--	130	89	93	81	82	110	100
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	0.71	0.3	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	114	--	0.8	4.2	2.7	2.6	1.3	2.8	2.7	0.4 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	0.45
Chromium, total	mg/kg	398	--	38.3	53.2	29	33	32.1	28.8	92.7	15	15	6.6	7.4	7.5	6.8	36
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	3.5	3.4	2.7	3	3.2	3	6.2
Copper	mg/kg	17.9	--	35.6	12.4	13.8	12.4	15.3	12.9	50.4	7.2	9.1	4.9	5.6	5.8	5.7	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	6.4	8.7	9.2	5.8	5.4	4.8	4.7
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	0.63	0.7	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	14.8	--	21.1	13.5	16.3	13.2	16.3	16.4	10.1	6.8	7.2	5.5	6.3	6.4	6.2	16
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	6.2	1.4	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	0.25 U	0.25 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2 U	2 U	2 U	2 U	2.1 U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	17	18	13	16	17	15	23
Zinc	mg/kg	744	80.3	--	343	64	92.7	68	61.1	215	16	17	20	21	20	21	63
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34 UJ
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	5 U	5.1 U	5.1 U	5.2 R
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	380	380	5.8	5.8 U	5.9 U	5.9 U	6.4 JH
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	6.5 J

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.8 J
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	370	7	5 U	5.1 U	5.1 U	5.2 J
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	4.7 U	4 U	4.5 U	5.2 R
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	370	13.6	0	0	0	22.7
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	450	0	0	0	0	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	450	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	6.6	5 U	5.1 U	5.1 U	5.2 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 UJ	670 UJ	670 U	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--

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Dataset for OCS HHERA

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PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	13	160	10 UJ	10 U	10 UJ	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.94 U	1 U	0.96 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 U	10 UJ	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	93 U	80 U	91 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	6.9 U	8.4 U	--	--	550 J	590	3500	170	--	770	540	320	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	2 U	1.8 U	--	--	47	46	760	3.8 U	--	1.9 U	57	18 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.52 U	0.14 U	--	--	--	2.1 U	15	4.5 J	1.5 U	4.7 U	2 U	3.8 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.23 U	0.14 U	--	--	--	1.2 U	6.8 U	0.24 U	0.63 U	3.4 U	5.6 J	5.8 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	1.8 U	4.9 J	--	--	6.1 J	5 J	110 U	0.54 U	--	6.2 U	3.8 J	21 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.4 U	0.12 U	--	--	--	13	150	0.38 U	8.6 J	48	19	21	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.23 U	0.13 U	--	--	0.93 U	11 U	6.3 U	2.2 U	--	32	3.7 J	18	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.25 U	0.27 U	--	--	0.74 J	0.68 U	3.7 J	0.25 U	--	3.3 U	1.4 U	4.3 U	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.11 U	0.14 U	--	--	0.33 U	1 U	0.55 U	0.15 U	--	2.1 U	1.4 U	2.1 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.57 U	1.2 J	--	--	5.5 J	5.4 U	32	0.99 U	--	25	1.7 U	18	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	1.3 J	1.4 J	--	--	--	0.42 U	7.9 U	0.28 U	0.74 U	3.9 U	1.6 U	2.4 U	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.87 U	0.2 U	--	--	--	140 U	2400 U	23 U	140 U	380 U	130 U	100 U	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.11 U	0.071 U	--	--	--	1.1 U	2.8 U	0.16 U	0.57 U	2.1 U	3 J	3 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.16 U	0.043 U	--	--	--	0.077 U	0.28 U	0.093 U	0.077 U	0.34 U	0.32 U	0.35 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.081 U	0.13 U	--	--	--	0.22 U	0.33 U	0.066 U	0.088 U	0.88 U	0.51 U	1 U	--	--	--	--
OCDD	ng/kg	31	50	--	--	3500 J	4800	33000	1100	--	4800	6100	1400	--	--	--	--
OCDF	ng/kg	6.7 U	5.1 U	--	--	--	190	2700	15 J	65 J	310	110	55	--	--	--	--
TEQ Avian	ng/kg	0.57	0.62	--	--	12	11	150	2.2	--	30	14	16	--	--	--	--
TEQ Human	ng/kg	0.56	0.59	--	--	18	18	200	4.1	--	42	19	19	--	--	--	--
TEQ Mammals	ng/kg	0.56	0.59	--	--	18	18	200	4.1	--	42	19	19	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	9.4	9.4	9.9	9.1	--	--	--	--	8.8	--	8.3
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.2 U	--	2.1 U	2.1 UJ	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U
Arsenic	mg/kg	2.6	3.2	3.4	--	--	2.7	2.4	2.4	3.4	4.3	8.9	3	4.4	--	4.5	6.3
Barium	mg/kg	100	120	--	85	--	110	110	190	86	89	63	200	120	130	--	380
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	--	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.35	--	0.39	0.87	0.9	1.6	0.72	--	13	0.3	5	0.66	0.21 U	--	0.21 U
Chromium, total	mg/kg	27	34	32	--	31	45	73	42	--	460	25	130	37	--	16	11
Cobalt	mg/kg	9	11	9.5	--	--	7.3	9.4	10	8.6 J	9.8	4.6	8.4	9.6	--	5.7	4.1
Copper	mg/kg	13	13	11	--	9.1	13	31	19	--	19	9	11	16	--	14	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	2.1	2.6	--	2.7	2.6	2.5	2.4	--	12	3.6	6	2.5	9.8	--	5.9
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	--	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.4	1 U	1 U	1.4	--	1.3
Nickel	mg/kg	22	28	23	--	--	19	24	22	18 J	21	11	18	22	--	14	9.1
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 UJ	1 U	1 U	--	1 U	1.1 U	1 U	1 U	--	1.1	9.1
Silver	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	--	1 U
Thallium	mg/kg	2.2 U	2.1 U	2.2 U	--	2.1 U	2.1 UJ	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U
Vanadium	mg/kg	38	43	42	--	--	30	35	36	31 J	36	38	31	34	--	23	21
Zinc	mg/kg	41	44	43	--	--	44	74	160	45	56	34	70	47	--	41	29
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1221	ug/kg	36 UJ	35 UJ	--	--	34 U	34 U	34 U	34 U	--	34 UJ	35 UJ	34 UJ	--	--	--	--
Aroclor 1232	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1242	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1248	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1254	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1260	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	27 U	27 U	--	--	25.5 U	25.5 U	25.5 U	25.5 U	--	25.5 U	25.5 U	25.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
2-Methyl naphthalene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Acenaphthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Acenaphthylene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Anthracene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
B(a)P Equivalent	ug/kg	6.4 R	6.1 R	--	--	--	6 U	6 U	57 U	6 U	58 U	6.1 U	57 U	6.4 U	14	--	6 U
Benzo (a) anthracene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--	5.4	5.2 U
Benzo (a) pyrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	8.9	--	5.2 U
Benzo (b) fluoranthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	17	--	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	6.4	--	5.2 U
Benzo (k) fluoranthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	7.8	--	5.2 U
Chrysene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	12	--	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 UJ	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	5.3 U	--	5.2 U
Fluoranthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--	22	5.2 U
Fluorene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	6.4	--	5.2 U
Naphthalene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
PAH High molecular weight	ug/kg	0 R	0 R	--	--	0	0	0	0	--	0	0	0	0	--	104	0
PAH Low molecular weight	ug/kg	0 R	0 R	--	--	0	0	0	0	--	0	0	0	0	--	6.1	0
Phenanthrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--	6.1	5.2 U
Pyrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	20	--	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	9000	3100	2300	34	--	23	40	22	6.9 J	--	24	4.8 U	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	230	180	3.1 U	650	1.8 U	4.2 U	6.6 U	2 U	--	2.5 U	1.2 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	33	14	9.3 J	1.1 U	--	1.6 J	0.69 U	1.6 J	0.74 U	--	1 U	0.98 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	26	9.4 U	1.4 J	62	1.3 U	1 J	1.3 J	1.2 J	--	0.8 U	0.23 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	18 U	21	1.5 U	72	1.7 U	1.5 J	1 U	1 U	--	0.92 U	0.8 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	210	85	55	1.9 U	--	2.3 J	2.3 U	2.2 J	1.4 U	--	1.5 J	0.97 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	8.1 U	5 U	1.3 J	17	0.66 U	1.1 U	2.1 J	1 U	--	0.81 U	0.61 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	8.4 J	4 U	1.1 U	11 U	0.85 U	1.4 J	1.2 U	0.38 U	--	0.2 U	0.8 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	11 U	3.3 U	4.4 U	1.4 U	--	1.4 U	1.1 U	1.2 J	0.41 U	--	0.82 J	0.84 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	59	27	19	1.7 U	--	0.76 U	2.7 J	0.95 U	0.62 U	--	1.6 J	0.75 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	10 U	6.3 U	1.1 U	2.8 U	0.83 U	0.63 U	0.42 U	0.79 U	--	0.57 U	0.79 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	820 U	570 U	11 U	2000 U	1 U	7.2 U	12 U	0.88 U	--	0.56 J	0.7 J	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	16 U	7.8 U	4.7 U	0.47 U	--	0.48 U	1.1 U	0.7 U	1 U	--	0.77 J	0.86 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	4.1 J	2.4 U	2.3 U	1.3 U	--	0.36 U	1.5 U	0.17 U	1.5 U	--	0.6 J	0.26 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	4.5 U	3.1 J	1.2 U	8.2	0.86 U	1.6 J	1.1 U	1.1 U	--	0.46 J	0.45 J	--	--	--	--
OCDD	ng/kg	110000	38000	31000	340	--	110	240	89	25 U	--	190	30	--	--	--	--
OCDF	ng/kg	2600	920	700	10 J	--	1.9 U	5 U	4.9 U	2.6 J	--	4.3 J	2 J	--	--	--	--
TEQ Avian	ng/kg	180	74	49	3.2	--	1.7	5.3	2.9	2.3	--	2.4	2.6	--	--	--	--
TEQ Human	ng/kg	290	110	77	2.9	--	1.6	4	2.6	1.6	--	1.8	1.7	--	--	--	--
TEQ Mammals	ng/kg	290	110	77	2.9	--	1.6	4	2.6	1.6	--	1.8	1.7	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.9	8.3	8.5	9.2	--	9.2	9.6	9.9	9.8	8.3	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 UJ	2.1 U	2.1 U	--
Arsenic	mg/kg	5.8	4.7	4.4	4.8	--	3	2.8	3.1	2.9	3.8	2.3	2.2	4.2	5	5.8	--
Barium	mg/kg	150	210	320	78	--	69	44	170	59	110	100	160	120	120	130	--
Beryllium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.6	1.4	1.1	0.21 U	--	0.59	0.24	0.48	0.2 U	0.21 U	0.2 U	0.2 U	0.2 U	0.3	0.21 U	--
Chromium, total	mg/kg	--	41	33	17	70	21	21	21	14	9.7	5.6	5.7	27	34 J	27	--
Cobalt	mg/kg	6.1	7.2	6.3	8.1	--	7.3	7	7.2	6.6	4.6	2.3	2.5	8.4	--	9.4	9.1
Copper	mg/kg	--	22	14	11	27	8.9	9.7	12	9.4	11	2.8	4.1	14	18	17	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	21	17 J	7.6	1.5	--	5.9	2.5	3.2	2.4	9.9	1.9	1.9	6.7 J	5.8	3.8	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--
Molybdenum	mg/kg	14	8.2	4.2	1 U	--	1 U	1 U	1 U	1 U	7.8	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	11	14	15	15	--	16	14	13	11	10	3.6	4.2	20	22	19	--
Selenium	mg/kg	1 U	1 UJ	1 U	1 U	--	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 UJ	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	2 U	2 UJ	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	--
Vanadium	mg/kg	24	26	26	30	--	26	27	30	28	16	14	15	34	40	37	--
Zinc	mg/kg	98	70 J	100	44	--	40	44	40	38	32	13	13	48	55	47	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1221	ug/kg	33 U	34 U	34 U	34 U	--	33 U	34 U	34 U	34 U	--	33 U	33 U	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	17 U	320	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	990 J	470	220	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	1010	799	237	25.5 U	--	25.5 U	25.5 U	25.5 U	25.5 U	--	25.5 U	25.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	81 J	5.8	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
2-Methyl naphthalene	ug/kg	--	6.8	5.1 U	5.2 U	91	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Anthracene	ug/kg	--	5.4	5.1 U	5.2 U	6.4	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
B(a)P Equivalent	ug/kg	110	67	59	6 U	--	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.8 U	6 U	6 U	--
Benzo (a) anthracene	ug/kg	--	49	23	5.2 U	67	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (a) pyrene	ug/kg	--	51 U	51 U	5.2 U	69	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (b) fluoranthene	ug/kg	--	85	51 U	5.2 U	170	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	51 U	51 U	5.2 U	18	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (k) fluoranthene	ug/kg	--	51 U	51 U	5.2 U	50	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Chrysene	ug/kg	--	75	33	5.2 U	85	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Dibenzo (a,h) anthracene	ug/kg	--	51 U	51 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Fluoranthene	ug/kg	--	180	86	5.2 U	210	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	51 U	51 U	5.2 U	20	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Naphthalene	ug/kg	--	5.1 U	5.1 U	5.2 U	18	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
PAH High molecular weight	ug/kg	--	559	215	0	869	0	0	0	0	0	0	0	0	0	0	--
PAH Low molecular weight	ug/kg	279	84	46	0	--	0	0	0	0	0	0	0	0	0	0	--
Phenanthrene	ug/kg	--	66	46	5.2 U	81	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Pyrene	ug/kg	--	170	73	5.2 U	180	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	13	15	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1.3 U	1.2 U	0.74 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	48	59	14	10 U	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	5.5 U	1.2 J	1700	2.6 J	800	2100	770	7.9 J	63000	230	890	590
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	0.83 U	0.35 U	270	0.41 U	4.2 U	0.79 U	280 U	1.1 U	2300 J	150 U	34	41
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	0.18 U	0.044 U	25 U	0.088 U	3.3 U	12 J	9.6 J	0.16 U	31 UJ	3.1 U	0.68 U	6.5 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	0.19 U	0.12 U	6.9 U	0.18 U	5.2 U	12 J	7.1 U	0.094 U	45 UJ	3 U	4.1 J	0.26 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	1.1 U	0.086 U	11 U	0.082 U	5 U	11 J	14 U	0.29 U	120 J	3.8 U	5.7 U	2.4 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	0.17 U	0.038 U	39 U	0.076 U	21	49	22	0.33 U	980 J	10 J	13	17
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	0.17 U	0.1 U	6.8 U	0.16 U	6.7 U	6.8 J	13 U	0.13 U	110 J	6 U	1.9 J	2.5 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	0.12 U	0.047 U	35 U	0.071 U	3.1 U	5.4 U	2.9 U	0.075 U	21 UJ	5.1 U	0.62 U	3.4 J
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	0.17 U	0.11 U	2.9 U	0.27 U	2.3 U	1.4 U	1.9 U	0.11 U	7.9 UJ	0.54 U	1.1 J	0.32 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	0.35 U	0.059 U	14 U	0.1 U	2.1 U	23	1.4 U	0.25 U	140 J	3 U	3.8 U	11 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	0.5 U	0.13 U	8.1 U	0.2 U	4.7 U	2.9 J	2.1 U	0.31 U	51 UJ	2 U	1.9 U	1 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	0.15 U	0.24 U	7.2 U	0.18 U	4.2 U	160 U	120 U	0.83 U	3300 UJ	1.7 U	64 U	96 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	0.17 U	0.27 U	3.1 U	0.27 U	2.4 U	4.9 J	3.9 J	0.053 U	100 J	2.1 U	2 J	2.6 J
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.11 U	0.051 U	2.6 U	0.11 U	2 U	1 J	0.89 U	0.04 U	2.7 J	0.46 U	0.38 U	0.41 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	0.13 U	0.064 U	5.2 UJ	0.078 U	3.7 U	1.8 J	1.4 U	0.18 U	25 UJ	0.63 U	1.2 J	1.2 U
OCDD	ng/kg	--	--	--	--	35 J	8.9 U	26000	22 U	6400	9000	7100	51	230000	2000	4300	5300
OCDF	ng/kg	--	--	--	--	3 U	0.21 U	250	0.72 U	90	240	5.5 U	1.7 J	11000 J	94	55	130
TEQ Avian	ng/kg	--	--	--	--	0.36	0.26	33	0.33	8.6	27	17	0.29	440	6.3	9.7	15
TEQ Human	ng/kg	--	--	--	--	0.28	0.15	53	0.22	17	48	25	0.28	1100	8.8	17	21
TEQ Mammals	ng/kg	--	--	--	--	0.28	0.15	53	0.22	17	48	25	0.28	1100	8.8	17	21
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	7.98	8.47	8.15	--	8.4	8.9	8	8.4	8	8.4	8.1	8.1	8.6	7.6	8.3	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.1 U	2.1 U	15	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--
Arsenic	mg/kg	3.4	5.5	9.1	6	3.5	3.3	9.7	3	4.1	17	5.5	4.1	11	5.1	3	--
Barium	mg/kg	93	370	120	110	120	100	320	85	140	77	140	130	57	59	60	--
Beryllium	mg/kg	1 U	1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	7.4	1 U	1 U	4.4	1.2	1 U	1.8	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.42 U	0.42 U	0.41 U	2700	12	1.4	0.2	0.2 U	0.91	0.37	0.2 U	1.8	2.6	0.2 U	--
Chromium, total	mg/kg	4.9	17	19	17	2800	28	270	8.1	35	85	35	8.6	72	130	5.5	--
Cobalt	mg/kg	2.3	6.4	7.4	6.3	3.4	3.2	8.5	3.2	8.1	36	13	3.4	27	5.7	2.5	--
Copper	mg/kg	4.1	9.4	9.5	9	11	5	3100	5	14	200	42	5.1	140	22	4.2	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.1	3.4	4.2	3.2	6.1	2.8	920	2.9	12	38	17	3.4	30	22	2.2	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	35	0.099 U	0.1 U	0.11 U	0.1 U	0.1 U	0.24	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	2.1 U	1 U	1 U	1 U	9.4	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	4.3	12	14	13	5.8	5.8	28	5.4	20	51	25	5.4	34	11	4.4	--
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	2 U	2.1 U	4.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--
Vanadium	mg/kg	12	33	36	30	14	18	23	16	38	19	34	19	12	16	13	--
Zinc	mg/kg	14	38	40	32	38	16	360	16	50	39	35	18	26	56	11	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
4,4-DDE	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
4,4-DDT	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Aldrin	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
alpha-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
beta-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
delta-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Dieldrin	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endo sulfan I	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Endo sulfan II	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endrin	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endrin aldehyde	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Heptachlor	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Methoxy chlor	ug/kg	--	--	--	--	5 U	5 U	10 U	5 U	5 U	5.3 U	5.1 U	5.1 U	5 U	5 U	5 U	--
Toxaphene	ug/kg	--	--	--	--	50 U	50 U	100 U	50 U	50 U	53 U	51 U	51 U	50 U	50 U	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1221	ug/kg	--	--	--	--	33 U	33 U	66 U	33 U	33 U	35 U	34 U	33 U	33 U	33 U	33 U	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1254	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	110	17 U	17 U	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	25.5 U	25.5 U	49.5 U	25.5 U	25.5 U	27 U	25.5 U	25.5 U	127	25.5 U	25.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
2-Methyl naphthalene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Acenaphthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Acenaphthylene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Anthracene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
B(a)P Equivalent	ug/kg	5.8 U	6 U	6 U	5.9 U	5.9 U	5.8 U	290	5.8 U	290	59	300 U	5.9 U	63	58	5.8 U	--
Benzo (a) anthracene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	5.3 UJ	260 U	5.1 U	51 J	50 U	5 U	--
Benzo (a) pyrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	45 J	50 U	5 U	--
Benzo (b) fluoranthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	82 J	50 U	5 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	23 J	50 U	5 U	--
Benzo (k) fluoranthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	28 J	50 U	5 U	--
Chrysene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	550	31 J	260 U	5.1 U	56 J	50 U	5 U	--
Dibenzo (a,h) anthracene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	5.1 UJ	50 U	5 U	--
Fluoranthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	71	5 U	250 U	34 J	260 U	5.1 U	100 J	15 J	5 U	--
Fluorene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	22 J	50 U	5 U	--
Naphthalene	ug/kg	5 U	4.5 U	4 U	4.9 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
PAH High molecular weight	ug/kg	0	0	0	0	0	0	71	0	820	102	0	0	504	15	0	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	86	0	0	8.2	0	0	27	16	0	--
Phenanthrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	86	5 U	250 U	8.2 J	260 U	5.1 U	27 J	16 J	5 U	--
Pyrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	270	37 J	260 U	5.1 U	97 J	5 U	5 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	340 U	340 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
3-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	340 U	340 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	6600 U	660 U	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	660 U	680 U	690 U	680 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	660 U	660 U	--
4-Chloroaniline	ug/kg	330 U	340 U	340 U	340 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	660 U	660 U	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
4-Nitrophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
Benzyl alcohol	ug/kg	660 UJ	680 UJ	690 UJ	680 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	660 U	660 U	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	3300 U	330 U	--
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	3300 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	17000 U	330 U	830000 U	3500 U	840000 U	330 U	330 U	3300 U	330 U	--
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Pentachlorophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
Phenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 UJ	10 U	10 U	10 U	10 U	10 U	4000	10 U	2100	170	1500	18	24	630	10 U	--
TPH as gasoline	mg/kg	--	0.99 U	0.87 U	0.89 U	--	1.4 U	--	1.6 U	--	2.1 U	1.6 U	1.2 U	--	1.3 U	1.4 U	--
TPH as motor oil	mg/kg	10 UJ	10 U	10 U	10 U	10 U	10 U	8900	17	4900	400	3200	81	69	1600	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1-Dichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1-Dichloropropene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2-Dibromoethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,2-Dichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2-Dichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,2,4-Trimethylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,3-Dichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Isopropyltoluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Acetone	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 UJ	71 UJ	64 UJ	--	--	--	--
Acrolein	ug/kg	--	90 U	79 U	98 U	--	--	--	--	--	210 U	140 U	130 U	--	--	--	--
Acrylonitrile	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 U	71 U	64 U	--	--	--	--
Benzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Bromobenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Bromochloromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Bromodichloromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Bromoform	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Bromomethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Carbon disulfide	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Carbon tetrachloride	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chloro methane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chlorobenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Dibromomethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Ethyl- benzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Hexachlorobutadiene	ug/kg	330 U	4.5 U	4 U	4.9 U	670 U	660 U	3300 U	670 U	170000 U	10 U	400 U	6.4 U	670 U	660 U	660 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	2200	84000 U	330 U	2800	330 U	330 U	--
Isopropylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 UJ	71 UJ	64 UJ	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 U	71 U	64 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
N-Butylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
N-Propylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
p-Chlorotoluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
sec-Butylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Styrene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
tert-Butylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Tetrachloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Toluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Trichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Vinyl chloride	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Xylene, m,p-	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Xylene, o-	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Xylenes, total	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	3000	30 J	0.24 U	2.3 U	2.2 J	--	220	3400	9300	1800	--	450	260	30	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	37 U	--	1.1 U	0.23 U	0.49 U	11 U	21	410	1100	440	--	44	36	6.8 J	--	--
1,2,3,4,7,8-HxCDD	ng/kg	22	0.25 U	0.34 U	0.47 U	0.3 U	--	3 J	29	73	11 J	--	3.4 U	3.3 J	0.22 U	--	--
1,2,3,4,7,8-HxCDF	ng/kg	23 U	0.35 U	0.16 U	0.26 U	0.13 U	--	1.2 U	--	48	12 J	8 J	6.3 U	2.3 U	0.3 U	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	44 U	0.59 U	0.73 U	1.3 U	0.56 U	--	2.6 J	44	110	36	--	4.4 U	4.6 J	1.2 U	--	--
1,2,3,6,7,8-HxCDD	ng/kg	140	--	0.54 U	0.27 U	0.22 U	0.66 U	7.8 J	--	300	80	49	12 J	9.9 J	0.22 U	--	--
1,2,3,6,7,8-HxCDF	ng/kg	23 U	0.31 U	0.28 U	0.56 U	0.12 U	--	1.3 J	60	120	15	--	5.5 U	5.7 J	0.59 U	--	--
1,2,3,7,8-PeCDD	ng/kg	8.1 J	0.16 U	0.14 U	0.5 U	0.14 U	--	1.7 J	--	28	5.7 U	5.6 J	1.1 U	1.8 U	0.21 U	--	--
1,2,3,7,8-PeCDF	ng/kg	4.7 J	0.31 U	0.1 U	0.097 U	0.076 U	--	0.51 J	5.1 J	8.9 U	2.5 J	--	2 U	1.4 U	0.3 U	--	--
1,2,3,7,8,9-HxCDD	ng/kg	49	0.63 J	0.41 U	0.55 U	0.11 U	--	4.9 J	57	140	25	--	7.9 J	5.3 J	0.22 U	--	--
1,2,3,7,8,9-HxCDF	ng/kg	27 U	0.63 U	0.7 U	1 J	0.39 U	--	0.2 U	5.6 J	13	3.9 J	--	7.2 U	1.7 U	0.36 U	--	--
2,3,4,6,7,8-HxCDF	ng/kg	2300 U	--	0.51 U	0.73 J	0.36 U	8 J	50 U	1900 U	3800 U	1100 U	--	6.5 U	100 U	18 U	--	--
2,3,4,7,8-PeCDF	ng/kg	7.9 J	0.66 U	0.14 U	0.1 U	0.2 U	--	1.8 J	6.7 J	13	12 J	--	7.7 J	5 U	0.32 U	--	--
2,3,7,8-TCDD	ng/kg	0.22 J	0.054 U	0.14 U	0.064 U	0.12 U	--	0.15 U	--	0.17 U	0.1 U	0.04 U	0.14 U	0.2 U	0.13 U	--	--
2,3,7,8-TCDF	ng/kg	1 J	--	0.41 U	0.095 U	0.082 U	1.5 J	0.39 U	1.1 J	0.75 J	1.1 J	--	0.71 U	0.47 U	0.25 U	--	--
OCDD	ng/kg	28000	200 J	41 U	18 U	14 U	--	1500	--	54000	15000	6500	6100	1800	260	--	--
OCDF	ng/kg	2100	--	1.6 U	1.8 U	1.7 U	29	41	610	2000	830	--	71	72	17 J	--	--
TEQ Avian	ng/kg	150	--	0.55 U	0.65	0.35	5.9	7.8	140	300	86	--	13	11	1.6	--	--
TEQ Human	ng/kg	190	--	0.35 U	0.6	0.28	4.3	9.5	180	410	100	--	13	13	1.7	--	--
TEQ Mammals	ng/kg	190	--	0.35 U	0.6	0.28	4.3	9.5	180	410	100	--	13	13	1.7	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.86	9.26
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2 U	2.1 U	2 U	--	--	--	3.5	--	--	--	--	--	2 UJ	2.1 U
Arsenic	mg/kg	--	--	4.1	4.8	5.6	3.7	--	--	6.6	--	--	--	--	--	3.1	3.3
Barium	mg/kg	--	--	140 J	160	130	150 J	--	--	200	--	--	--	--	--	160	160
Beryllium	mg/kg	--	1 UJ	1 UJ	1 U	1 U	--	--	--	1.4 U	--	--	--	--	--	2 U	5.1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	--	--	--	1.5	--	--	--	--	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	9.5	--	--	--	--	--	1.9	0.41 U
Chromium, total	mg/kg	--	--	31	25	26	18	--	--	340	--	--	--	--	--	--	43
Cobalt	mg/kg	--	--	9.9	8.2	10	7.3 J	--	--	6.5	--	--	--	--	--	4.6	10
Copper	mg/kg	--	--	11	11	13	9.5	--	--	40	--	--	--	--	--	14	14
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	7.9 J	2.1 J	1.5	1.5	--	--	--	18	--	--	--	--	--	7.8	5.1 U
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	0.15	--	--	--	--	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	1 U	1.4	1 U	1 U	--	--	--	1.4 U	--	--	--	--	--	2 U	5.1 U
Nickel	mg/kg	--	--	21	16	15	14 J	--	--	13	--	--	--	--	--	12	26
Selenium	mg/kg	--	1 UJ	1 UJ	1 UJ	1 UJ	--	--	--	1.4 UJ	--	--	--	--	--	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	1 U	--	--	--	1.4 U	--	--	--	--	--	2 U	5.1 U
Thallium	mg/kg	--	2 UJ	2 UJ	2.1 U	2 U	--	--	--	2.8 UJ	--	--	--	--	--	4 U	10 U
Vanadium	mg/kg	--	--	36 J	30	34	27	--	--	31	--	--	--	--	--	23	43
Zinc	mg/kg	--	--	41	45	42	38	--	--	110	--	--	--	--	--	--	47
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	8900	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	20000	--	--	--	--	--	--	--	--	31000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	21000 J	--	--	--	--	--	--	--	--	13000 J	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	6400	--	--	--	--	--	--	--	--	7700 J	--
Manganese	mg/kg	--	--	--	--	--	300	--	--	--	--	--	--	--	--	260	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	2300	--	--	--	--	--	--	--	--	--	--	--	--	1800	--
Sodium	mg/kg	--	--	--	--	--	290	--	--	--	--	--	--	--	--	480	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
Methoxy chlor	ug/kg	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--
Toxaphene	ug/kg	--	51 U	--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1221	ug/kg	--	34 U	33 U	34 U	34 U	--	--	--	--	--	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1242	ug/kg	--	17 UJ	17 UJ	17 UJ	17 UJ	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1248	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1254	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1260	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Total PCBs	ug/kg	--	25.5 U	25.5 U	25.5 U	25.5 U	--	--	--	--	--	--	--	--	--	25.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Acenaphthene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Acenaphthylene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Anthracene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	--	5.9 U	5.9 U	5.9 U	72	--	--	--	--	--	--	--	--	8.8	5.9 U
Benzo (a) anthracene	ug/kg	--	5.1 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Benzo (a) pyrene	ug/kg	--	7.1 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5.2	5.1 U
Benzo (b) fluoranthene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	99 J	--	--	--	--	--	--	--	--	5.4	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	17 J	--	--	--	--	--	--	--	--	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	32 J	--	--	--	--	--	--	--	--	5.9	5.1 U
Chrysene	ug/kg	--	7.8 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	7	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Fluoranthene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	75 J	--	--	--	--	--	--	--	--	11	5.1 U
Fluorene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	17 J	--	--	--	--	--	--	--	--	5 U	5.1 U
Naphthalene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
PAH High molecular weight	ug/kg	--	--	0	0	0	467	--	--	--	--	--	--	--	--	44.2	0
PAH Low molecular weight	ug/kg	--	--	0	0	0	24	--	--	--	--	--	--	--	--	0	0
Phenanthrene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	24 J	--	--	--	--	--	--	--	--	5 U	5.1 U
Pyrene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	86 J	--	--	--	--	--	--	--	--	9.7	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
2-Chloro naphthalene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Chlorophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Methylphenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
2,4-Dichlorophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,4-Dimethylphenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
3-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U	680 U
4-Chloroaniline	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Methylphenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
Atrazine	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
Benzoic acid	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Benzyl alcohol	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Butylbenzylphthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Caprolactam	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 UJ	--
Carbazole	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Dibenzofuran	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Diethyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Dimethyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Hexachlorobenzene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Hexachloroethane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Pentachlorophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
Phenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1-Dichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1-Dichloropropene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,1-Trichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,1,2-Tetrachloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,2-Trichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,2,2-Tetrachloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dibromo-3-chloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dibromoethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,2-Dichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2,3-Trichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2,3-Trichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2,4-Trichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,2,4-Trimethylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,3-Dichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,3-Dichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,3,5-Trimethylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,4-Dichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,4-Dioxane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
2-Hexanone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
2,2-Dichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
2,4,5-Trichlorophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Isopropyltoluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Acetone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Acrolein	ug/kg	--	110 U	--	--	--	--	--	--	--	--	--	--	--	--	--	140 U
Acrylonitrile	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Benzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
bis (2-chloroethyl) ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Bromobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromochloromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromodichloromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromoform	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromomethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Carbon disulfide	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Carbon tetrachloride	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chloro methane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U

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Dataset for OCS HHERA

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Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
cis-1,2-Dichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
cis-1,3-Dichloropropene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Cyclohexane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Dibromochloromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Dibromomethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Dichlorodifluoromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Ethyl- benzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Hexachlorobutadiene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
Hexachlorocyclopentadiene	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U	--
Isophorone	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Isopropylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methyl acetate	ug/kg	--	5.7 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methyl ethyl ketone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Methyl isobutyl ketone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methylcyclohexane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methylene chloride	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
N-Butylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
N-Propylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Nitrobenzene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
p-Chlorotoluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
sec-Butylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Styrene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
tert-Butylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Tetrachloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Toluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
trans-1,2-Dichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
trans-1,3-Dichloropropene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Trichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Vinyl chloride	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Xylene, m,p-	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Xylene, o-	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Xylenes, total	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	170 J	6.3 UJ	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	13 J	1.4 UJ	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2.2 J	1.3 UJ	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1 UJ	2 UJ	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.7 UJ	1.7 UJ	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	4.5 J	1.6 UJ	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.4 UJ	1.8 UJ	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.26 UJ	1.5 UJ	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.34 UJ	1.4 UJ	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	3.4 J	1.6 UJ	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.75 UJ	2.3 UJ	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	17 UJ	2 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.9 J	1.4 UJ	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.099 UJ	1.1 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.39 UJ	1.6 UJ	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1800 J	5 UJ	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	28 U	5.9 UJ	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	4.3	3.4 U	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	5.2	2.3 U	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	5.2	2.3 U	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.24	--	--	8.2	9.55	9.28	--	7.64	8.22	8.57	--	8.55	7.97	8.05	8.11	7.91
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	4.1 U	--	2 UJ	2 U	2 U	2 U	2 U
Arsenic	mg/kg	5.4	--	7.4	3.5	2.5	5.9	7.7	9.6	8.2	12	--	7	4.2	7.6	8	9.6
Barium	mg/kg	220	--	110	110	130	75	48	500	380	--	1300	220 J	220	250	210	270
Beryllium	mg/kg	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U	--	2 U	1 U	1 U	1 U	2 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.71	--	0.41 U	0.55	0.41 U	0.42 U	0.41 U	1	0.48	0.41 U	--	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	37	64	28	33	26	27	18	39	30	19	--	24	23	22	27	33
Cobalt	mg/kg	9.9	--	9	6.5	7.1	10	7.9	9.6	8.3	8.8	--	7.2	7	6.7	7.9	8.7
Copper	mg/kg	16	--	12	14	16	16	12	27	21	--	41	11	9.5	12	12	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.9	--	2.8	11	4.4	3	2.7	27	34	--	7.3	26	4.1	8.6	8.1	4.4
Mercury	mg/kg	0.1 U	--	0.1 UJ	0.1 U	0.1 U	0.11 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U	--	2 U	1 U	1 U	1.1	2 U
Nickel	mg/kg	25	--	20	15	19	20	14	23	20	16	--	16	16	14	14	20
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U	--	2 U	1 U	1 U	1 U	2 U
Thallium	mg/kg	10 U	--	2.1 U	4 U	4.1 U	10 U	2.1 U	10 U	10 U	10 U	--	4 U	2 U	2 U	2 U	4.1 U
Vanadium	mg/kg	46	--	33	32	33	40	27	52	43	--	37	32	34	29	33	38
Zinc	mg/kg	61	41	50	52	38	63	48	97	77	80	--	58	45	54	58	58
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	7200	--	--	--	--	--	18000	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	44000	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	28000	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	12000	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	1300	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	4100	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	360	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	51 U	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	34 U	34 UJ	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	49	33 J	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	66	50	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	9.8	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	--	6 U	12	5.9 U	6 U	6 U	120	430	--	9.5	54	44	15	5.9	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	44	190	5.1 U	--	22	8.4	5.4 J	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	--	5.2 U	8	5.1 U	5.2 U	5.2 U	76	290	--	5.8	36	39	10 J	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5.2 U	9.2	5.1 U	5.2 U	5.2 U	88 J	370	--	5.9	33	16	9.7 J	5.1 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	--	5.2 U	7.3	5.1 U	5.2 U	5.2 U	62	240	--	5.4	32	5.1 U	8.6 J	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5.2 U	8.9	5.1 U	5.2 U	5.2 U	84	300	--	6.3	46	5.1 U	11 J	5.1 U	5.1 U
Chrysene	ug/kg	5.2 U	--	5.2 U	11	5.1 U	5.2 U	5.2 U	100	350	--	7.6	46	92	13 J	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	20	61	5.1 U	--	9.2	5.1 U	5 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.2 U	--	5.2 U	17	5.1 U	5.2 U	5.2 U	150	530	--	10	70	24	18 J	5.4	5.1 U
Fluorene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5.2 U	6.4	5.1 U	5.2 U	5.2 U	57	230	5.1 U	--	28	5.1 U	7.9 J	5.1 U	5.1 U
Naphthalene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	--	0	83.8	0	0	0	811	3060	--	50.7	386	223	101	10.6	0
PAH Low molecular weight	ug/kg	0	--	0	5.4	0	0	0	42	200	0	--	22	90	5.7	0	0
Phenanthrene	ug/kg	5.2 U	--	5.2 U	5.4	5.1 U	5.2 U	5.2 U	42	190	5.1 U	--	22	90	5.7 J	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	--	5.2 U	16	5.1 U	5.2 U	5.2 U	130	500	--	9.7	64	44	17 J	5.2	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	--	--	660 U	680 U	680 U	--	3400 U	680 U	670 U	--	660 U	1700 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	--	1700 U	1700 U	1700 U	--	8400 U	1700 U	1700 U	--	1700 U	4200 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	--	1700 U	1700 U	1700 U	--	8400 U	1700 U	1700 U	--	1700 U	4200 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	--	--	660 U	680 U	680 U	--	3400 U	680 U	670 U	--	660 U	1700 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	--	10 U	10 U	10 U	--	10 U	10 U	10 U	--	10 U	51.8	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	--	--	--	1.4 U	1.4 U	--	--	1.2 U	1.4 U	--	--	1.5 UJ	--	1.6 UJ	--
TPH as motor oil	mg/kg	10 U	13	--	10 U	10 U	10 U	--	47.1	33.1	19.7	--	15.7	207	26.5	14.5	11.5
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1-Dichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1-Dichloropropene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,1-Trichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,1,2-Tetrachloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,2-Trichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,2,2-Tetrachloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dibromo-3-chloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dibromoethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,2-Dichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2,3-Trichlorobenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2,3-Trichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2,4-Trichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,2,4-Trimethylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,3-Dichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,3-Dichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,3,5-Trimethylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,4-Dichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	77 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
2,4,5-Trichlorophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	77 U	62 U	--	--	11000 U	--	--	--
Acrolein	ug/kg	190 U	--	--	--	140 U	130 U	--	--	150 U	120 U	--	--	22000 U	--	140 U	130 U
Acrylonitrile	ug/kg	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U	--	--	11000 U	--	70 U	64 U
Benzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
bis (2-chloroethyl) ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Bromobenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromochloromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromodichloromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromoform	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromomethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Carbon disulfide	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Carbon tetrachloride	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chloro methane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chlorobenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
cis-1,2-Dichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
cis-1,3-Dichloropropene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Dibromomethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Dichlorodifluoromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Ethyl- benzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Hexachlorobutadiene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	3400 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U	--	--	11000 U	--	70 U	64 U
Methyl isobutyl ketone	ug/kg	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U	--	--	11000 U	--	70 U	64 U
Methyl tert-butyl ether (MTBE)	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
N-Butylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
N-Propylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Nitrobenzene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
sec-Butylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Styrene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
tert-Butylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Tetrachloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Toluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
trans-1,2-Dichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
trans-1,3-Dichloropropene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Trichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Vinyl chloride	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Xylene, m,p-	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Xylene, o-	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Xylenes, total	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	2700	5400	9.5 U	4.8 U	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	550	660	1.3 U	0.52 U	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	5.1 U	18	0.39 U	0.12 U	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	9.7 U	15 U	0.67 U	0.4 U	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	87 U	76 U	0.52 U	0.22 U	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	100	110	0.24 U	0.15 U	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	8.5 U	13 U	0.59 U	0.35 U	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	7.3 J	8 J	0.15 U	0.21 U	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	1 U	2.7 U	0.2 U	0.1 U	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	31	43	0.25 U	0.16 U	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	11 U	17 U	1.6 U	0.45 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1200 U	1000 U	0.67 U	0.65 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	4 J	3.5 U	0.13 U	0.11 U	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.22 U	0.66 J	0.15 U	0.14 U	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.38 U	2.3 J	0.092 U	0.29 U	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	22000	44000	75	34	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	1200	2200	2.3 U	1.8 U	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	88	88	0.49	0.49	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	120	150	0.48	0.36	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	120	150	0.48	0.36	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.44	--	--	--	8.35	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	4 U	2 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U
Arsenic	mg/kg	--	8.6	9.1	4.8	8.8	3.8	3.1	2.9	2.9	3.7	4.7	3.6	3.2	3.6	3.8	3.5
Barium	mg/kg	--	210	82	140	140	65	77	65	290	150	140	82	150	140	130	130
Beryllium	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.4 U	0.2 U	0.2 U	8.3	0.21 U	0.21 U	0.21 U	0.21 U	5.3	1.3	0.21 U	0.21 U	--	--	--
Chromium, total	mg/kg	18	--	19	16	80	13	3.6	3.7	4.6	100	68	45	39	33	11	11
Cobalt	mg/kg	7	--	6.9	6.6	5.7	4.2	2.3	1.9	2.2	7.6	5.7	9	10	10	4.1	3.9
Copper	mg/kg	--	12	12	10	270 J	11	2.9	2.6	3.6	27	25	12	31	30	6.3	6.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	15 J	3.2	2.3	200 J	9.4	2.1	1.9	2.4	4.2	22	1.7	2.3	4	2.6	2.5
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.64	0.12	0.1 U	0.1 U	0.11 U	0.13	0.21	0.19	0.16	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	2 U	1 U	1 U	19	1.1 U	1 U	1 U	1.1 U	1 U	1.4	1 U	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	--	14	15	13	28	7.7	3.4	2.7	3.9	19	16	28	32	25	7.7	7.9
Selenium	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 UJ	1 UJ	1 UJ
Silver	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	--	4 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2 UJ	2 UJ
Vanadium	mg/kg	33	--	29	26	17	18	9.6	9.3	9.9	27	22	40	42	34	19	17
Zinc	mg/kg	--	87	41	49	1000 J	36	10	9.5	12	35	70	34	38	41	20	19
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Aluminum	mg/kg	8100	--	--	--	4100 J	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	23000	--	--	18000	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	4.9 U	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	18000	--	--	--	32000 J	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	6300	--	--	--	3900	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	470	--	--	270	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	1600	--	--	1100	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	170	--	--	540	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Aldrin	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endrin	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	2.1 UJ	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	5.3 UJ	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	53 UJ	53 U	52 U	52 U	52 U	51 U	52 U	52 U	52 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1221	ug/kg	--	33 U	--	--	35 U	35 U	34 U	35 U	35 U	34 U	34 U	34 U	34 U	--	--	--
Aroclor 1232	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1242	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1248	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1254	ug/kg	--	17 U	--	--	71	63	17 U	17 U	17 U	17 U	130	17 U	17 U	--	--	--
Aroclor 1260	ug/kg	--	17 U	--	--	18 U	38	17 U	17 U	17 U	17 U	85	17 U	17 U	--	--	--
Aroclor 1262	ug/kg	--	17 U	--	--	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	--	--	18 U	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	25.5 U	--	--	89	110	25.5 U	25.5 U	25.5 U	25.5 U	224	25.5 U	25.5 U	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	7.3	5.2 U	5.2 U	--	--	--
2-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Acenaphthene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Acenaphthylene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Anthracene	ug/kg	--	5 U	5.1 U	5.1 U	86	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
B(a)P Equivalent	ug/kg	--	5.8 U	5.9 U	5.9 U	1600	12	6 U	6 U	6.1 U	5.9 U	58	6 U	6 U	--	--	--
Benzo (a) anthracene	ug/kg	--	5 U	5.1 U	5.1 U	560	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Benzo (a) pyrene	ug/kg	--	5 U	5.1 U	5.1 U	920	7.4	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Benzo (b) fluoranthene	ug/kg	--	5 U	5.1 U	5.1 U	1600	12	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	5 U	5.1 U	5.1 U	1400	6.7	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Benzo (k) fluoranthene	ug/kg	--	5 U	5.1 U	5.1 U	580	7	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Chrysene	ug/kg	--	5 U	5.1 U	5.1 U	930	7.7	5.2 U	5.2 U	5.3 U	5.1 U	33	5.2 U	5.2 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	5 U	5.1 U	5.1 U	340	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Fluoranthene	ug/kg	--	5 U	5.1 U	5.1 U	1000	11	5.2 U	5.2 U	5.3 U	5.1 U	50	5.2 U	5.2 U	--	--	--
Fluorene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	5 U	5.1 U	5.1 U	1100	6	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
PAH High molecular weight	ug/kg	--	0	0	0	9530	68.8	0	0	0	0	130	0	0	--	--	--
PAH Low molecular weight	ug/kg	--	0	0	0	286	0	0	0	0	0	21.3	0	0	--	--	--
Phenanthrene	ug/kg	--	5 U	5.1 U	5.1 U	200	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	14	5.2 U	5.2 U	--	--	--
Pyrene	ug/kg	--	5 U	5.1 U	5.1 U	1100	11	5.2 U	5.2 U	5.3 U	5.1 U	47	5.2 U	5.2 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	660 U	--	--	42000 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	--	--	110000 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	--	--	110000 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	660 U	--	--	42000 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	--	--	213 UJ	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	10 U	--	--	297 J	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	660 U	--	--	42000 U	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	820 J	4600 J	2600 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	88 J	980 J	650 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	5.8 J	33 J	27 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	2.2 UJ	25 J	11 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	5.3 UJ	83 UJ	56 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	20 J	170 J	1.2 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	4.1 UJ	42 J	56 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	2.7 J	16 J	15 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.59 UJ	1.7 UJ	8.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	12 J	67 J	54 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	2.5 UJ	9.6 UJ	12 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	100 UJ	1700 UJ	1600 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.59 UJ	5.7 UJ	8.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.14 UJ	0.62 UJ	0.17 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.36 UJ	1.6 UJ	0.38 UJ	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	7900 J	38000 J	17000 J	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	230 J	1800 J	930 J	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	13	140	120	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	24	200	150	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	24	200	150	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	9.01	9.75	9.86	--	--	8.93	9.7	9.68	--	8.13	9.41	9.79	--	--	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U
Arsenic	mg/kg	2.2	3.6	3.1	3.1	4.7	--	3	2.9	4.1	5.7	1 U	2.9	5	6.2	--	3.4
Barium	mg/kg	310	130	120	110	120	--	89	100	100	120	120	93	110	120	--	76
Beryllium	mg/kg	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	2 U	1 U	1 U	2.1 U	2.1 U	--	1 U
Cadmium	mg/kg	1.1	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	0.022	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.56	1.4	0.43	0.41 U	--	0.43	1.1	0.45	0.76	27.7	1.8	0.43	0.42 U	--	0.4 U
Chromium, total	mg/kg	47	24	63	20	29	--	29	47	29	39	820	90	38	36	--	12
Cobalt	mg/kg	12	4.8	4.8	3.9	6.2	--	3.8	4.3	5.3	8.2	3.6	5.8	--	11	10	4
Copper	mg/kg	14	9.8	28	8	10	--	11	15	8.8	15	90	23	--	13	16	5.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	0.012 J	--	--	--	--	--
Lead	mg/kg	2.1	8.6	--	4.3	3.7	12 J	8.2	5.2	4.2	3.8	24	5	3.8	3.5	--	41
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	2 U	1.5	1.1	1.1	1	2 U	1.5	1 U	2.1 U	2.1 U	--	1 U
Nickel	mg/kg	35	10	11	8.4	16	--	8.9	10	14	22	9.2	14	--	26	25	9.1
Selenium	mg/kg	1 UJ	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	2 U	1 U	1 U	2.1 U	2.1 U	--	1 U
Thallium	mg/kg	2.1 UJ	2 U	2 U	2 U	4 U	--	2 U	2 U	2 U	4 U	2 U	2 U	4.1 U	4.1 U	--	2 U
Vanadium	mg/kg	43	25	20	16	24	--	17	17	22	29	17	22	--	38	35	17
Zinc	mg/kg	41	38	--	39	29	160 J	40	44	27	38	240	59	40	44	--	29
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Aluminum	mg/kg	--	4900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	4700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	180	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	990	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	33 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	25.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
2-Methyl naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Acenaphthene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Acenaphthylene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
B(a)P Equivalent	ug/kg	--	12	5.8 U	5.9 U	5.9 U	--	21	5.8 U	5.9 U	5.9 U	22	5.9 U	6 U	6 U	--	17
Benzo (a) anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	7.4	5 U	5.1 U	5.1 U	10	5.1 U	5.2 U	5.2 U	--	8.1
Benzo (a) pyrene	ug/kg	--	7.4	5 U	5.1 U	5.1 U	--	14	5 U	5.1 U	5.1 U	10	5.1 U	5.2 U	5.2 U	--	11
Benzo (b) fluoranthene	ug/kg	--	10	5 U	5.1 U	5.1 U	--	22	5 U	5.1 U	5.1 U	34	5.1 U	5.2 U	5.2 U	--	13

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	9.5	5 U	5.1 U	5.1 U	--	15	5 U	5.1 U	5.1 U	18	5.1 U	5.2 U	5.2 U	--	8.6
Benzo (k) fluoranthene	ug/kg	--	10	5 U	5.1 U	5.1 U	--	17	5 U	5.1 U	5.1 U	18	5.1 U	5.2 U	5.2 U	--	16
Chrysene	ug/kg	--	8.9	5 U	5.1 U	5.1 U	--	18	5 U	5.1 U	5.1 U	19	5.1 U	5.2 U	5.2 U	--	16
Dibenzo (a,h) anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	6	5.1 U	5.2 U	5.2 U	--	5 U
Fluoranthene	ug/kg	--	7.4	5 U	5.1 U	5.1 U	--	19	5 U	5.1 U	5.1 U	8.7	5.1 U	5.2 U	5.2 U	--	20
Fluorene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	7.4	5 U	5.1 U	5.1 U	--	13	5 U	5.1 U	5.1 U	16	5.1 U	5.2 U	5.2 U	--	7.7
Naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
PAH High molecular weight	ug/kg	--	67.9	0	0	0	--	144	0	0	0	149	0	0	0	--	119
PAH Low molecular weight	ug/kg	--	0	0	0	0	--	0	0	0	0	0	0	0	0	--	5.6
Phenanthrene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5.6
Pyrene	ug/kg	--	7.3	5 U	5.1 U	5.1 U	--	19	5 U	5.1 U	5.1 U	8.9	5.1 U	5.2 U	5.2 U	--	19
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2-Chlorophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2-Methylphenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,4-Dimethylphenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,4-Dinitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,6-Dinitrotoluene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
3-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Bromophenyl phenyl ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Chloro-3-methylphenol	ug/kg	--	660 U	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	660 U	670 U	680 U	680 U	--	660 U
4-Chloroaniline	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Methylphenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1600 U
Acetophenone	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1600 U
Benzyl alcohol	ug/kg	--	660 U	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	660 U	670 U	680 U	680 U	--	660 U
bis (2-chloroethoxy) methane	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Butylbenzylphthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Caprolactam	ug/kg	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Di-n-octyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Dibenzofuran	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Diethyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Dimethyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Hexachlorobenzene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Hexachloroethane	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
N-nitrosodiphenylamine	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Pentachlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
Phenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	34.2	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	--	10 U
TPH as gasoline	mg/kg	--	--	1.1 U	1.1 UJ	1.5 U	--	--	1.9 U	1.3 U	1.6 U	--	1.3 U	--	1.4 U	1.5 U	--
TPH as motor oil	mg/kg	--	10.9	--	10 U	10 U	14.5	11.2	17	10 U	11	56	14.4	10 U	10 UJ	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,2-Dichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,3-Dichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,3-Dichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,4-Dichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,4-Dioxane	ug/kg	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	68 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Isopropyltoluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Acetone	ug/kg	--	--	69 UJ	75 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	140 U	150 U	140 U	--	--	140 U	130 U	180 U	--	150 U	160 U	170 U	--	--
Acrylonitrile	ug/kg	--	--	--	75 U	70 U	68 U	--	68 U	66 U	92 U	--	75 U	78 U	83 U	--	--
Benzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Bromobenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromochloromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromodichloromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromoform	ug/kg	--	--	--	7.5 UJ	7 U	6.8 UJ	--	6.8 UJ	6.6 UJ	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromomethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Carbon disulfide	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chloro methane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chlorobenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Dibromomethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Ethyl- benzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Hexachlorobutadiene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Isopropylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	75 U	70 U	68 U	--	68 U	66 U	92 U	--	75 U	78 U	83 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	75 U	70 U	68 U	--	68 U	66 U	92 U	--	75 U	78 U	83 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
N-Butylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
N-Propylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Nitrobenzene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
p-Chlorotoluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Styrene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Tetrachloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Toluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Trichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Vinyl chloride	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Xylene, m,p-	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Xylene, o-	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Xylenes, total	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.61	9.25	--	8.93	8.99	9.42	--	8.9	8.78	9.46	--	--	7.84	9.29	9.2	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2 UJ	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	2 U	2.1 U
Arsenic	mg/kg	3.6	3.8	4	4.2	1.2	3.4	4	5.9	--	3.4	4.1	4.5	9.4	--	3.9	3.6
Barium	mg/kg	100	150	85	110	140	110	180	130	--	150	150	86	270	--	140	230
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	1 U	2 U	--	1 U	1 U	1 U	2 U	--	1 U	2.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	0.049	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.42 U	2	27.3	4.8	1.4	1.3	3.8	1.9	--	0.61	2.6	--	0.51	9.3
Chromium, total	mg/kg	14	20	26	55	490	220	63	51	--	110	190	32	110	--	29	690
Cobalt	mg/kg	4.7	6.7	7.4	5.4	5.6	8.2	9.2	5.8	--	8.4	5.6	11	8	--	7.8	7
Copper	mg/kg	6.7	8.9	11	15	41	17	14	19	--	24	37	13	42	--	9	60
CR6 SPLP	mg/L	--	--	--	--	0.041 J	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	10	3.4	2.8	7.8	18	5.4	3.4	12	--	7	17	2.7	32	--	4.5	31
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1.2	2 U	1	2 U	--	1.9	2.2	1 U	2 U	--	1 U	2.1 U
Nickel	mg/kg	9.6	14	18	13	13	20	23	13	--	19	13	22	19	--	17	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	1 U	2 U	--	1 U	1 U	1 U	2 U	--	1 U	2.1 U
Thallium	mg/kg	2 U	2 U	2.1 U	2 U	2 U	4.1 U	2 U	4 U	--	2 U	2 U	2 U	4.1 U	--	2 U	4.1 U
Vanadium	mg/kg	21	30	30	23	21	28	33	24	--	31	24	44	36	--	28	29
Zinc	mg/kg	31	35	42	48	76	42	39	61	--	51	78	50	140	--	36	140
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	7500	--	--	--	8200	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	24000	--	--	--	25000	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	15000	--	--	--	15000	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	6500	--	--	--	6600	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	210	--	--	--	230	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	1500	--	--	--	1900	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	250	--	--	--	330	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	5 U	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	50 U	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	33 U	--	--	--	33 U	--	--	33 UJ	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	16 U	--	--	--	58	--	--	68 J	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	24 U	--	--	--	75	--	--	85	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Acenaphthene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Anthracene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	8.4
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	6 U	16	33	5.9 U	5.9 U	37	--	39	110	5.9 U	98	--	5.9 U	270
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5.2 U	7	15	5.1 U	5.1 U	16	54	18	--	5.1 U	37	--	5.1 U	230 J
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5.2 U	11	21	5.1 U	5.1 U	24	--	25	72	5.1 U	63	--	5.1 U	180 J
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.2 U	11	23	5.1 U	5.1 U	25	--	24	73	5.1 U	76	--	5.1 U	200 J

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5.2 U	11	18	5.1 U	5.1 U	20	--	17	46	5.1 U	60	--	5.1 U	84 J
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.2 U	13	27	5.1 U	5.1 U	32	--	30	89	5.1 U	80	--	5.1 U	170 J
Chrysene	ug/kg	5 U	5.1 U	5.2 U	13	27	5.1 U	5.1 U	30	--	30	92	5.1 U	89	--	5.1 U	260 J
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5.2 U	5 U	6.3	5.1 U	5.1 U	7.1	--	7.5	18	5.1 U	17	--	5.1 U	33 J
Fluoranthene	ug/kg	5 U	5.1 U	5.2 U	18	33	5.1 U	5.1 U	37	--	38	130	5.1 U	110	--	5.1 U	400 J
Fluorene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5.2 U	8.7	17	5.1 U	5.1 U	19	--	16	46	5.1 U	55	--	5.1 U	92 J
Naphthalene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	3.5 U	5.2 U
PAH High molecular weight	ug/kg	0	0	0	111	219	0	0	246	--	243	737	0	686	--	0	2000
PAH Low molecular weight	ug/kg	0	0	0	0	9.3	0	0	9.6	--	10	36	0	30	--	0	80.4
Phenanthrene	ug/kg	5 U	5.1 U	5.2 U	5 U	9.3	5.1 U	5.1 U	9.6	--	10	36	5.1 U	30	--	5.1 U	72 J
Pyrene	ug/kg	5 U	5.1 U	5.2 U	18	32	5.1 U	5.1 U	36	--	37	120	5.1 U	99	--	5.1 U	350 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
2-Nitrophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	680 U	660 U	670 U	670 U	670 U	660 U	--	670 U	660 U	670 U	670 U	--	670 U	680 U
4-Chloroaniline	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 UJ	--	330 U	330 UJ	340 U	340 U	--	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 UJ	--	1700 U	1700 UJ	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	680 U	660 U	670 U	670 U	670 U	660 U	--	670 U	660 U	670 U	670 U	--	670 UJ	680 UJ
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Caprolactam	ug/kg	--	--	--	330 UJ	--	--	--	330 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	330 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
Phenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	--	10 U	10 U	10 UJ	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	1.1 U	1.6 U	--	1.9 UJ	1.6 U	1.3 U	--	--	1.3 U	1.2 U	1.7 U	--	--	1.1 U	1.3 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	20.6	34.1	13.9	10 UJ	23.5	34.4	14.5	--	10 UJ	26.1	82.5	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1-Dichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1-Dichloropropene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,1-Trichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,1,2-Tetrachloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,2-Trichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,2,2-Tetrachloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dibromo-3-chloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dibromoethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,2-Dichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2,3-Trichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2,3-Trichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2,4-Trichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,2,4-Trimethylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,3-Dichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,3-Dichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,3,5-Trimethylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,4-Dichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	330 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
2-Hexanone	ug/kg	--	--	--	--	89 U	--	--	--	--	--	58 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Isopropyltoluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Acetone	ug/kg	--	--	--	--	89 U	--	85 U	--	--	65 U	58 UJ	68 U	--	--	--	--
Acrolein	ug/kg	130 U	140 U	150 U	--	180 U	160 U	170 U	--	--	130 U	120 U	140 U	--	--	70 U	140 U
Acrylonitrile	ug/kg	63 U	70 U	76 U	--	89 U	82 U	85 U	--	--	65 U	58 U	68 U	--	--	35 U	69 U
Benzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Bromobenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromochloromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromodichloromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromoform	ug/kg	6.3 UJ	7 UJ	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromomethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Carbon disulfide	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Carbon tetrachloride	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chloro methane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chlorobenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
cis-1,2-Dichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
cis-1,3-Dichloropropene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Cyclohexane	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	5.8 U	--	--	--	--	--
Dibromochloromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Dibromomethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Dichlorodifluoromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Ethyl- benzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Hexachlorobutadiene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	660 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Isopropylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Methyl acetate	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	5.8 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	63 U	70 U	76 U	--	89 U	82 U	85 U	--	--	65 U	58 U	68 U	--	--	35 U	69 U
Methyl isobutyl ketone	ug/kg	63 U	70 U	76 U	--	89 U	82 U	85 U	--	--	65 U	58 U	68 U	--	--	35 U	69 U
Methyl tert-butyl ether (MTBE)	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Methylcyclohexane	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	5.8 U	--	--	--	--	--
Methylene chloride	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
N-Butylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
N-Propylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Nitrobenzene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
p-Chlorotoluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
sec-Butylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Styrene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
tert-Butylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Tetrachloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Toluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
trans-1,2-Dichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
trans-1,3-Dichloropropene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Trichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Vinyl chloride	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Xylene, m,p-	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Xylene, o-	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Xylenes, total	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	10000 J	1700 J	74 J	--	--	--	--	--	320	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	1600 J	280 J	10 J	--	--	--	--	--	19	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	73 J	12 J	2.2 UJ	--	--	--	--	--	2 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	100 UJ	8.6 J	0.46 UJ	--	--	--	--	--	1.1 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	120 J	21 J	0.4 UJ	--	--	--	--	--	4.7 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	330 J	54 J	0.38 UJ	--	--	--	--	--	9.6 J	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	92 UJ	16 J	0.41 UJ	--	--	--	--	--	3.7 J	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	1.7 UJ	5.1 UJ	0.22 J	--	--	--	--	--	0.26 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	3.6 UJ	1.2 UJ	0.12 UJ	--	--	--	--	--	0.28 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	150 J	24 J	1.2 J	--	--	--	--	--	4.3 J	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	120 UJ	2.6 UJ	0.53 UJ	--	--	--	--	--	1.2 U	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	2600 UJ	530 UJ	30 UJ	--	--	--	--	--	110 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	14 UJ	1.2 UJ	0.12 UJ	--	--	--	--	--	0.3 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	2.4 J	0.23 UJ	0.058 UJ	--	--	--	--	--	0.11 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	6.9 J	1.4 J	0.091 UJ	--	--	--	--	--	0.39 U	--	--	--	--	--	--
OCDD	ng/kg	--	110000 J	15000 J	550 J	--	--	--	--	--	3300	--	--	--	--	--	--
OCDF	ng/kg	--	3400 J	580 J	12 J	--	--	--	--	--	39	--	--	--	--	--	--
TEQ Avian	ng/kg	--	220	44	2.3	--	--	--	--	--	8	--	--	--	--	--	--
TEQ Human	ng/kg	--	360	66	3.1	--	--	--	--	--	12	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	360	66	3.1	--	--	--	--	--	12	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	7.8	9.35	9.57	--	8.14	8.79	9.76	--	--	--	--	--	--	--	8.25
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2 U	--	--	--	--	--	--	2 UJ
Arsenic	mg/kg	4.4	11	5.9	4.6	7.3	6.6	1 U	3.7	4.5	--	--	--	--	--	--	3.4
Barium	mg/kg	64	310	170	120	200	170	230	100	130	--	--	--	--	--	--	120
Beryllium	mg/kg	1 U	2.1 U	2 U	1 U	2.1 U	2 U	2.1 U	2.1 U	1 U	--	--	--	--	--	--	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	0.14	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	2.7	2.1	2.8	0.44	2.5	16.4	1.5	0.42	0.54	0.21 U	0.23 U	0.22 U	0.26 U	0.21 U	0.64
Chromium, total	mg/kg	22	120	90	27	92	81	1500	82	47	40	31	39	32	33	32	49
Cobalt	mg/kg	7.8	8.8	9.9	9.1	5.4	6.3	6.7	8.6	9.1	--	--	--	--	--	--	6.8
Copper	mg/kg	11	46	19	14	25	29	110	12	15	--	--	--	--	--	--	16
CR6 SPLP	mg/L	--	--	--	--	--	--	0.13 J	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.7	36	8.9	2.6	13	15	47	4	3	--	--	--	--	--	--	8.8
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U
Molybdenum	mg/kg	1 U	2.1 U	2 U	1 U	2.1 U	2 U	2.9	2.1 U	1 U	--	--	--	--	--	--	2 U
Nickel	mg/kg	14	21	20	17	13	15	16	19	21	--	--	--	--	--	--	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--	--	1 U
Silver	mg/kg	1 U	2.1 U	2 U	1 U	2.1 U	2 U	2.1 U	2.1 U	1 U	--	--	--	--	--	--	2 U
Thallium	mg/kg	2.1 U	4.1 U	4.1 U	2 U	4.1 U	4 U	4.1 U	4.1 U	2 U	--	--	--	--	--	--	4 U
Vanadium	mg/kg	31	42	31	35	25	27	27	31	34	--	--	--	--	--	--	31
Zinc	mg/kg	41	150	52	47	74	80	170	44	46	--	--	--	--	--	--	58
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	34 UJ	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	25.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
B(a)P Equivalent	ug/kg	6 U	78	14	5.9 U	25	98	110	6 U	5.9 U	5.9 R	--	--	--	--	--	23
Benzo (a) anthracene	ug/kg	5.2 U	24	5.1 U	5.1 U	11	53	52	5.2 U	5.1 U	5.1 R	--	--	--	--	--	9.9
Benzo (a) pyrene	ug/kg	5.2 U	49	8.9	5.1 U	17	59	69	5.2 U	5.1 U	5.1 R	--	--	--	--	--	16
Benzo (b) fluoranthene	ug/kg	5.2 U	79	14	5.1 U	23	71	96	5.2 U	5.1 U	5.1 R	--	--	--	--	--	25

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	43	7.7	5.1 U	17	58	62	5.2 U	5.1 U	5.1 R	--	--	--	--	--	18
Benzo (k) fluoranthene	ug/kg	5.2 U	60	11	5.1 U	24	67	68	5.2 U	5.1 U	5.1 R	--	--	--	--	--	6.2
Chrysene	ug/kg	5.2 U	71	12	5.1 U	24	84	94	5.2 U	5.1 U	5.1 R	--	--	--	--	--	12
Dibenzo (a,h) anthracene	ug/kg	5.2 U	14	5.1 U	5.1 U	5.2 U	21	22	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Fluoranthene	ug/kg	5.2 U	87	15	5.1 U	30	120	100	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14
Fluorene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	38	7	5.1 U	15	50	59	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14
Naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
PAH High molecular weight	ug/kg	0	547	90.6	0	190	683	722	0	0	0 R	--	--	--	--	--	129
PAH Low molecular weight	ug/kg	0	23	0	0	8.6	58	29	0	0	0 R	--	--	--	--	--	0
Phenanthrene	ug/kg	5.2 U	23	5.1 U	5.1 U	8.6	58	29	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Pyrene	ug/kg	5.2 U	82	15	5.1 U	29	100	100	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	680 U	690 U	660 U	680 U	680 U	680 U	--	--	--	--	--	--	660 U
4-Chloroaniline	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Methylphenol	ug/kg	340 U	340 UJ	340 U	340 U	340 U	330 UJ	340 UJ	340 U	340 U	--	--	--	--	--	--	330 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1700 U	1700 U	--	--	--	--	--	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	1700 U
Benzyl alcohol	ug/kg	680 U	680 U	680 U	680 U	690 U	660 U	680 U	680 U	680 U	--	--	--	--	--	--	660 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	--	--	--	--	--	--	10 U
TPH as gasoline	mg/kg	1.3 U	--	1.6 U	1.5 U	1.4 U	--	1.5 U	1.7 U	1.3 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	20.5	21.6	10 U	10 UJ	18.1	70.9	10 U	10 UJ	--	--	--	--	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,2-Dichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,2,4-Trimethylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,3-Dichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Isopropyltoluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Acetone	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Acrolein	ug/kg	140 U	--	140 U	150 U	130 U	--	150 U	150 U	140 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Benzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Bromobenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromoform	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Dibromomethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Isopropylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
p-Chlorotoluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Styrene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Toluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.89	9.02	--	--	7.78	8.63	9.07	--	8.13	8.85	9.42	--	--	7.84	8.54	9.07
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	4.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	4.1 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	3.9	--	9.8	7.1	4.2	3.3	6.6	7.2	3.6	3.4	--	7.3	8.2	9.2	5.4	3.6
Barium	mg/kg	120	--	140	210	180	180	210	150	120	270	330	--	150	340	260	220
Beryllium	mg/kg	2 U	5.2 U	2.1 U	--	2 U	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U
Cadmium	mg/kg	1 U	1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.053	--
Chromium, Hexavalent	mg/kg	2.9	1.1	0.41 U	--	0.4 U	1.2	0.6	0.41 U	0.41 U	1.9	--	0.41 U	0.41 U	0.92	3.9	0.42 U
Chromium, total	mg/kg	150	66	23	--	22	40	33	22	20	64	31	--	21	29	130	66
Cobalt	mg/kg	7.1	11	9.4	--	6.2	5.4	10	8.5	5.9	6.3	--	10	8.5	8.3	6.7	6.5
Copper	mg/kg	31	23	12	--	17	14	16	16	12	18	--	18	11	25	27	21
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.031 J	--
Lead	mg/kg	6.8	--	3.5	5.3	21	16	6.2	3.2	22	21	5.1	--	3.6	25	26	17
Mercury	mg/kg	0.1 U	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	--	0.1 U	0.1 UJ	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	2 U	5.2 U	2.1 U	--	2 U	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U
Nickel	mg/kg	17	27	17	--	16	14	21	16	15	15	--	23	15	21	17	15
Selenium	mg/kg	1 U	1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.1 U	1 U
Silver	mg/kg	2 U	5.2 U	2.1 U	--	2 U	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U
Thallium	mg/kg	4.1 U	10 U	4.1 U	--	4 U	4.1 U	10 U	10 U	4 U	4.1 U	--	10 U	4.1 U	10 U	4.2 U	4.1 U
Vanadium	mg/kg	35	--	31	46	32	30	45	38	29	33	--	43	28	42	35	31
Zinc	mg/kg	76	80	58	--	61	54	70	73	52	61	--	60	56	85	81	64
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	11000	--	--	--	8900	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	28000	--	--	--	20000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	18000	--	--	--	17000	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	8200	--	--	--	6700	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	370	--	--	--	270	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2300	--	--	--	1700	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	210	--	--	--	190	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	2 UJ	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	2 UJ	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	2 UJ	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	5 U	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	50 U	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	33 U	34 UJ	--	--	33 U	34 UJ	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	20	17 UJ	--	--	19	17 UJ	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	37	25.5 U	--	--	36	25.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	7.9	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6 U	6 U	--	170	25	21	5.9 U	280	78	--	9	5.9 U	33	43	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	--	80	11	9.1	5.1 U	140	38	--	5.1 U	5.1 U	13	13	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.2 U	--	120	17	14	5.1 U	190	52	--	5.2	5.1 U	23	29	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	--	160	26	20	5.1 U	250	73	--	7	5.1 U	41	43	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.2 U	--	72	14	12	5.1 U	110	43	--	5.1 U	5.1 U	21	25	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	--	68	11	9.8	5.1 U	120	22	--	5.1 U	5.1 U	11	15	5.1 U
Chrysene	ug/kg	5.1 U	5.2 U	5.2 U	--	140	23	16	5.1 U	220	58	--	5.4	5.1 U	32	31	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	--	22	5.1 U	5.1 U	5.1 U	33	11	--	5.1 U	5.1 U	5.2 U	5.8	5.1 U
Fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	--	230	35	26	5.1 U	360	99	--	7.9	5.1 U	47	44	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.2 U	--	76	14	12	5.1 U	120	41	--	5.1 U	5.1 U	20	23	5.1 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	--	1180	183	143	0	1880	527	--	33.7	0	250	271	0
PAH Low molecular weight	ug/kg	0	0	0	--	77	11	7.8	0	138	34	--	0	0	15	12	0
Phenanthrene	ug/kg	5.1 U	5.2 U	5.2 U	--	77	11	7.8	5.1 U	130	34	--	5.1 U	5.1 U	15	12	5.1 U
Pyrene	ug/kg	5.1 U	5.2 U	5.2 U	--	210	32	24	5.1 U	340	90	--	8.2	5.1 U	42	42	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2-Nitroaniline	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
3-Nitroaniline	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	--	--	1700 U	670 U	670 U	--	670 U	680 U	--	670 U	--	690 U	700 U	680 U
4-Chloroaniline	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Nitroaniline	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	--	4100 U	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	--	4100 U	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	680 U	--	--	1700 U	670 U	670 U	--	670 U	680 U	--	670 U	--	690 U	700 U	680 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Caprolactam	ug/kg	--	--	--	--	830 U	--	--	--	330 UJ	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	830 U	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Pentachlorophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
Phenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	11.1	--	--	10 U	10 U	10 U	--	10 U	10 U	--	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	1.6 U	--	--	--	1.4 U	1.3 U	--	--	1.4 U	--	1.5 U	--	--	1.4 U	1.5 UJ
TPH as motor oil	mg/kg	15.3	27.9	--	--	10 U	27.3 J	38.3 J	--	16.1 J	10 U	--	10 U	--	11.6	16.8	11.6
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1-Dichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1-Dichloropropene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,1-Trichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,1,2-Tetrachloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,2-Trichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,2,2-Tetrachloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dibromo-3-chloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dibromoethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,2-Dichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2,3-Trichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2,3-Trichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2,4-Trichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,2,4-Trimethylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,3-Dichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,3-Dichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,3,5-Trimethylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,4-Dichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,4-Dioxane	ug/kg	--	--	--	--	830 U	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
2-Hexanone	ug/kg	--	--	--	--	--	72 U	--	--	--	68 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Isopropyltoluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Acetone	ug/kg	56 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	110 U	150 U	--	--	--	140 U	130 U	--	--	140 U	--	130 U	--	--	160 U	150 U
Acrylonitrile	ug/kg	56 U	77 U	--	--	--	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U
Benzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Bromobenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromochloromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromodichloromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromoform	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromomethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Carbon disulfide	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Carbon tetrachloride	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chloro methane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chlorobenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
cis-1,2-Dichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
cis-1,3-Dichloropropene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Cyclohexane	ug/kg	--	--	--	--	--	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Dibromomethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Dichlorodifluoromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Ethyl- benzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Hexachlorobutadiene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	1700 U	--	--	--	670 U	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Isopropylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Methyl acetate	ug/kg	--	--	--	--	--	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	56 U	77 U	--	--	--	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U
Methyl isobutyl ketone	ug/kg	56 U	77 U	--	--	--	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--
Methylene chloride	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
N-Butylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
N-Propylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Nitrobenzene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
p-Chlorotoluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
sec-Butylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Styrene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
tert-Butylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Tetrachloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Toluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
trans-1,2-Dichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
trans-1,3-Dichloropropene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Trichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Vinyl chloride	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Xylene, m,p-	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Xylene, o-	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Xylenes, total	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	40 J	1.6 UJ	2.2 UJ	0.17 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	2.9 UJ	0.14 UJ	1.1 UJ	0.097 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	0.88 UJ	0.19 UJ	0.2 UJ	0.088 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.22 UJ	0.13 UJ	0.12 UJ	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.49 UJ	0.14 UJ	0.93 UJ	0.11 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	1.4 J	0.17 UJ	0.19 UJ	0.077 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	0.4 UJ	0.11 UJ	0.1 UJ	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.13 UJ	0.087 UJ	0.32 UJ	0.068 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.31 UJ	0.26 UJ	0.16 UJ	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	1.4 J	0.18 UJ	0.28 UJ	0.083 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.25 UJ	0.15 UJ	0.084 UJ	0.16 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	2.7 UJ	0.21 UJ	0.61 J	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.32 UJ	0.28 UJ	0.17 UJ	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.13 UJ	0.071 UJ	0.068 UJ	0.074 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.3 UJ	0.14 UJ	0.082 UJ	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	300 J	13 J	11 J	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	6.4 J	0.33 UJ	1.5 UJ	0.21 UJ	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	0.9	0.35	0.44	0.25 U	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	1.2	0.2	0.36	0.14 U	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	1.2	0.2	0.36	0.14 U	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.4	8.1	7.8	8.1	8.6	8.4	8.9	10	9.1	8.7	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	2.1 U	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	6.9	2.8	5.3	5.2	4.9	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	220	120	130	190	150	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	5.1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.2 U	0.21 U	0.21 U	0.21 U	--	--	--	--	0.4 UJ	--	--	0.78 J	--	--	0.41 UJ
Chromium, total	mg/kg	32	20	20	27	24	--	--	--	--	43	--	--	44	--	--	170
Cobalt	mg/kg	11	7.3	8.4	8.8	9.1	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	16	8.9	13	17	17	--	--	--	--	--	--	--	--	--	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.2	20	2.4	2.3	2.6	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	5.1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	5.9	--	--	5.8	--	--	13
Nickel	mg/kg	24	16	16	18	20	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	5.1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	10 U	2 U	2.1 U	2.1 U	2.1 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	43	28	31	31	35	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	68	44	48	49	54	--	--	--	--	--	--	--	--	--	--	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	33 R	34 R	--	34 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	25.5 R	25.5 R	--	25.5 R	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	5.9 U	58	6 U	6 U	6 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.1 U	20	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5.1 U	30	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	5.1 U	49	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	0	145	0	0	0	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	10	0	0	0	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.1 U	10	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.1 U	46	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	14	19	29	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	0.5	3	6	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.2 UJ	0.93 UJ	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.83 UJ	0.11 UJ	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.099 UJ	0.033 UJ	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.17 UJ	0.03 UJ	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.21 UJ	0.079 UJ	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.099 UJ	0.033 UJ	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.16 UJ	0.028 UJ	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.068 UJ	0.033 UJ	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.064 UJ	0.032 UJ	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.16 J	0.057 UJ	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.2 UJ	0.023 UJ	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.1 UJ	0.07 UJ	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.066 UJ	0.033 UJ	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.055 UJ	0.036 UJ	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.051 UJ	0.026 UJ	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	70 J	8.7 U	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.99 UJ	0.12 UJ	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.24	0.079 U	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.24	0.062 U	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.24	0.062 U	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	9.1	9.5	8.5	9	9.1	9.7	8.6	--	8.9	9.5	9	8.9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	2.1 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	--	2.1 U	2.4 U	2.8 U
Arsenic	mg/kg	--	--	--	--	3.5	2.5	2.3	1.5	--	1.1	1.5	1.8	--	3.3	3.9	6.1
Barium	mg/kg	--	--	--	--	93	120	130	99	--	100	100	130	--	140	120	140
Beryllium	mg/kg	--	--	--	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1.2 U	1.4 U
Cadmium	mg/kg	--	--	--	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1.2 U	1.4 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.41 U	0.42 U	12	4.1	0.2 U	0.2 U	--	0.2 U	0.21 U	0.2 U	0.21 U	0.21 U	0.24 U	0.28 U
Chromium, total	mg/kg	9.2	11	10	26	410	290	15	17	19	18	16	--	11	11	18	15
Cobalt	mg/kg	--	--	--	--	6.8	7.6	7	7.7	--	8.7	9.5	9	4.8	3.9	5.8	6
Copper	mg/kg	--	--	--	--	14	14	9	9.6	12	9	12	--	9.7	9.5	8.1	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	5.4	4.5	2.6	2.1	1.9	1.3	2.3	--	7.8 J	5.2	5.3	6.1
Mercury	mg/kg	--	--	--	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12 U	0.14 U
Molybdenum	mg/kg	--	--	--	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1.2 U	1.4 U
Nickel	mg/kg	--	--	--	--	11	13	10	11	--	13	12	15 J	9.5	8.3	12	12
Selenium	mg/kg	--	--	--	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1.2 U	1.4 U
Silver	mg/kg	--	--	--	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1.2 U	1.4 U
Thallium	mg/kg	--	--	--	--	2.1 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	--	2.1 U	2.4 U	2.8 U
Vanadium	mg/kg	--	--	--	--	31	35	31	36	35	36	36	--	--	22	29	30
Zinc	mg/kg	--	--	--	--	74	74	34	35	--	39	41	36	67 J	32	38	37
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	14	19	29	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	0.5	3	6	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	34 U	34 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	17 U	19 =	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	17 U	27.5	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
2-Methyl naphthalene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Acenaphthene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Acenaphthylene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Anthracene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
B(a)P Equivalent	ug/kg	--	--	--	--	6.7	5.9 U	5.9 U	5.8 U	--	5.9 U	5.9 U	5.9 U	--	6 U	11	8 U
Benzo (a) anthracene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Benzo (a) pyrene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9	6.9 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	9.3	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	13	6.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	14	19	29	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	0.5	3	6	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Chrysene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	6.7	6.9 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Fluoranthene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	11	6.9 U
Fluorene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Naphthalene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
PAH High molecular weight	ug/kg	--	--	--	--	9.3	0	0	0	--	0	0	0	--	0	46.4	0
PAH Low molecular weight	ug/kg	--	--	--	--	0	0	0	0	--	0	0	0	--	0	0	0
Phenanthrene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	5.9 U	6.9 U
Pyrene	ug/kg	--	--	--	--	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	5.2 U	9.8	6.9 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	690 U	780 U	920 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	690 U	780 U	920 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	690 U	780 U	920 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 UJ	1700 U	1900 U	2300 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	690 U	780 U	920 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	14	19	29	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	0.5	3	6	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1900 U	2300 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	12 U	14 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	42	14 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	14	19	29	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	15	20	30	15	0.5	3	6	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	690 U	780 U	920 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	390 U	460 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3
	SAMPLE	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	9	0	2	5	9	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	10	10	1	3	6	10	10	1	3	0	3	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	10	0.5	3	6	10	10	0.5	3	0	3	0
	SAMPLE TYPE	Field Duplicate				Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	13	0.88 U	0.65 U	0.044 U	--	100	4 J	58	6.6 J	--	43	120	12 J	8.1 J	100
1,2,3,4,6,7,8-HpCDF	ng/kg	--	1.2 U	0.056 U	0.06 U	--	0.028 U	9.3 J	0.47 J	5.9 J	1.3 J	--	3.7 J	5.1 J	1.1 J	0.81 J	8.2 J
1,2,3,4,7,8-HxCDD	ng/kg	--	0.12 U	0.32 J	0.054 U	--	0.025 U	0.8 U	0.1 U	0.62 U	--	0.083 J	0.35 U	0.76 U	0.42 U	0.22 U	0.67 U
1,2,3,4,7,8-HxCDF	ng/kg	--	0.11 U	0.042 U	0.056 U	0.028 U	--	1.1 U	0.13 U	0.23 U	0.091 U	--	0.11 U	0.3 U	0.16 U	0.12 U	1 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.15 U	0.071 U	0.076 U	--	0.041 U	0.68 U	0.11 U	0.23 U	0.18 U	--	0.25 U	0.59 U	0.13 U	0.18 U	0.89 J
1,2,3,6,7,8-HxCDD	ng/kg	--	0.32 U	0.3 J	0.059 U	--	0.024 U	3.9 J	0.1 U	2.1 U	0.065 U	--	1.1 U	2.4 J	0.22 U	0.22 U	2.6 J
1,2,3,6,7,8-HxCDF	ng/kg	--	0.1 U	0.03 U	0.052 U	0.026 U	--	1 U	0.12 U	0.16 U	--	0.13 U	0.27 U	0.28 U	0.15 U	0.12 U	0.5 J
1,2,3,7,8-PeCDD	ng/kg	--	0.059 U	0.05 U	0.027 U	--	0.061 U	0.36 U	0.044 U	0.14 U	0.043 U	--	0.15 U	0.2 U	0.12 U	0.13 U	0.49 U
1,2,3,7,8-PeCDF	ng/kg	--	0.15 U	0.088 U	0.049 U	--	0.066 U	0.12 U	0.04 U	0.11 U	--	0.13 U	0.14 U	0.14 U	0.11 U	0.14 U	0.26 U
1,2,3,7,8,9-HxCDD	ng/kg	--	0.12 U	0.039 U	0.056 U	--	0.023 U	1.7 J	0.097 U	1 U	0.062 U	--	0.89 J	1.2 U	0.21 U	0.21 U	1.3 J
1,2,3,7,8,9-HxCDF	ng/kg	--	0.13 U	0.049 U	0.065 U	0.033 U	--	1.3 U	0.15 U	0.16 U	0.11 U	--	0.34 U	0.35 U	0.2 U	0.16 U	0.23 U
2,3,4,6,7,8-HxCDF	ng/kg	--	1.6 U	0.034 U	0.18 U	0.061 U	--	14 U	1.1 U	9.2 U	--	0.14 U	5.2 U	7.9 U	1.4 U	1.3 J	18 U
2,3,4,7,8-PeCDF	ng/kg	--	0.16 U	0.095 U	0.053 U	0.04 U	--	0.13 U	0.043 U	0.26 U	--	0.14 U	0.15 U	0.15 U	0.12 U	0.16 U	0.45 U
2,3,7,8-TCDD	ng/kg	--	0.052 U	0.054 U	0.065 U	--	0.035 U	0.096 U	0.028 U	0.051 U	0.042 U	--	0.038 U	0.053 U	0.11 U	0.24 U	0.15 U
2,3,7,8-TCDF	ng/kg	--	0.08 U	0.16 U	0.063 U	--	0.098 U	0.25 U	0.17 U	0.19 U	--	0.045 U	0.28 U	0.16 U	0.098 U	0.071 U	0.19 U
OCDD	ng/kg	--	120	0.095 U	6.9 J	0.43 U	--	990	36	520	71	--	390	1200	100	70	1000
OCDF	ng/kg	--	5.3 J	0.13 U	0.54 U	--	0.04 U	33	0.97 U	20 J	5.6 J	--	8.8 J	16 J	2.4 J	1.6 J	25
TEQ Avian	ng/kg	--	0.32	0.21	0.13	--	0.15 U	1.8	0.24	1.1	0.4	--	0.84	1.1	0.38	0.5	2.2
TEQ Human	ng/kg	--	0.39	0.15	0.09	--	0.084 U	3.1	0.2	1.6	0.36	--	1.2	2.6	0.44	0.51	3.3
TEQ Mammals	ng/kg	--	0.39	0.15	0.09	--	0.084 U	3.1	0.2	1.6	0.36	--	1.2	2.6	0.44	0.51	3.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	7.8	8	8.5	--	8.5	8	8.4	8.2	--	8.7	9.5	11	9.1	9	8.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2 UJ	2.1 U	2 U
Arsenic	mg/kg	5.2	5.1	3.5	2.9	2.8	--	3.3	3.6	3.7	3.4	--	3.3	3.5	7.2 J	6.7	3
Barium	mg/kg	200 J	100	73	81	--	37 J	98	120	110	--	90	120	140	200 J	170	150
Beryllium	mg/kg	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 UJ	1.1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 UJ	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.21 U	0.21 U	0.21 U	--	0.21 U	0.2 U	0.21 U	0.21 U	0.21 U	--	0.2 U	1	0.2 U	0.21 U	0.2 U
Chromium, total	mg/kg	--	21	21	30	--	23 J	15	20	20	23	--	25	16	18 J	16	14
Cobalt	mg/kg	--	7.4	7.9	9.4	--	9.4	5.6	7.9	7.7	8.6	--	5.5	5.8	7 J	6.5	5
Copper	mg/kg	--	8.7	10	12	--	9.4	8	10	11	--	7.7	9.1	9	11 J	11	8.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	2.4	1.9	2.2	2.7	--	2.6	2.3	2.4	2.2	--	4.1	4.1	4.2 J	3.5	5.3
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.099 U
Molybdenum	mg/kg	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1.3	1 U	1 UJ	1.1 U	1 U
Nickel	mg/kg	--	15	16	21	--	17	12	15	15	17	--	12	12	14 J	13	10
Selenium	mg/kg	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1.1 U	1 UJ	1.1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 UJ	1.1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2 UJ	2.1 U	2 U
Vanadium	mg/kg	21	36	39	45	--	38	29	40	35	42	--	24	24	32 J	30	27
Zinc	mg/kg	--	51	44	45	46	--	31	43	38	45	--	33	33	47 J	41	35
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3
	SAMPLE	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	9	0	2	5	9	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	10	10	1	3	6	10	10	1	3	0	3	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	10	0.5	3	6	10	10	0.5	3	0	3	0
	SAMPLE TYPE	Field Duplicate				Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	34 U	34 U	34 U	--	34 U	34 U	34 U	34 U	35 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
Anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
B(a)P Equivalent	ug/kg	21	6	6 U	6 U	--	6 U	10	6 U	15	6.1 U	--	5.9 U	6.4	6	6.6	16
Benzo (a) anthracene	ug/kg	7.2	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1	5.2 U	14	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	10
Benzo (a) pyrene	ug/kg	14	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1	5.2 U	7.6	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	9.7
Benzo (b) fluoranthene	ug/kg	28 J	5.2 U	5.2 U	5.2 U	--	5.2 U	17	5.2 U	26	5.3 U	--	5.1 U	5.3	5	7	19

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3
	SAMPLE	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	9	0	2	5	9	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	10	10	1	3	6	10	10	1	3	0	3	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	10	0.5	3	6	10	10	0.5	3	0	3	0
	SAMPLE TYPE	Field Duplicate				Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	7.2	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	6.3
Benzo (k) fluoranthene	ug/kg	7.5	5.2 U	5.2 U	5.2 U	--	5.2 U	5.8	5.2 U	9.7	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5.7
Chrysene	ug/kg	13	5.2 U	5.2 U	5.2 U	--	5.2 U	11	5.2 U	32	5.3 U	--	5.1 U	5.3 U	5 U	5.6	13
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
Fluoranthene	ug/kg	22 J	8.3	5.2 U	5.2 U	--	5.2 U	24	5.2 U	49	5.3 U	--	5.1 U	5.3 U	5 U	9.8	25
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	6.8	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	6.3
Naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U
PAH High molecular weight	ug/kg	126	13.5	0	0	--	0	89	0	184	0	--	0	5.3	5	32.2	117
PAH Low molecular weight	ug/kg	7.5	0	0	0	--	0	5.4	0	0	0	--	0	0	0	0	6.3
Phenanthrene	ug/kg	7.5	5.2 U	5.2 U	5.2 U	--	5.2 U	5.4	5.2 U	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	6.3
Pyrene	ug/kg	20	5.2	5.2 U	5.2 U	--	5.2 U	21	5.2 U	46	5.3 U	--	5.1 U	5.3 U	5 U	9.8	22
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2-Chlorophenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2-Methylphenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2,6-Dinitrotoluene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U
4-Chloroaniline	ug/kg	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
4-Methylphenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Butylbenzylphthalate	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Di-n-octyl phthalate	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Dibenzofuran	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Diethyl phthalate	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Dimethyl phthalate	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Hexachlorobenzene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Hexachloroethane	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3
	SAMPLE	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	9	0	2	5	9	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	10	10	1	3	6	10	10	1	3	0	3	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	10	0.5	3	6	10	10	0.5	3	0	3	0
	SAMPLE TYPE	Field Duplicate				Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
N-nitrosodiphenylamine	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	11 U	--	10 U	11 U	10 U	11 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	--
TPH as motor oil	mg/kg	29	13	10 U	10 U	--	10 U	19	10 U	13	11 U	--	10 U	26	10 U	11 U	10 UJ
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3
	SAMPLE	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	9	0	2	5	9	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	10	10	1	3	6	10	10	1	3	0	3	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	10	0.5	3	6	10	10	0.5	3	0	3	0
	SAMPLE TYPE	Field Duplicate				Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6
	SAMPLE	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124
	DATE	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		2	2	0	2	5	0	2	5	0	2	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	390	--	14	7.8 J	65	490	560 J	350 J	230	76	920	19	3.5 J	0.83 U	19 J	8.5 J
1,2,3,4,6,7,8-HpCDF	ng/kg	32	--	1.2 J	0.78 U	4.9 J	28	0.27 U	0.35 U	22	4.1 J	92	2.4 J	0.57 J	0.22 U	2.3 J	1.5 J
1,2,3,4,7,8-HxCDD	ng/kg	2.9 J	--	0.28 U	0.2 U	0.75 J	2 J	1.5 J	1.4 J	2.2 J	0.31 U	5.9 J	0.26 J	0.13 U	0.12 U	0.22 UJ	0.2 UJ
1,2,3,4,7,8-HxCDF	ng/kg	2.7 J	--	0.097 U	0.12 U	0.42 U	3 J	4.3 J	2.9 U	2 J	0.39 U	7.3 J	0.19 U	0.089 U	0.084 U	0.45 UJ	0.31 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	--	2.4 J	0.12 U	0.15 U	0.53 U	2.3 U	4 J	2.9 J	2 J	0.18 U	7.5 J	0.37 U	0.23 U	0.27 J	0.3 UJ	0.23 UJ
1,2,3,6,7,8-HxCDD	ng/kg	--	9.7 J	0.6 J	0.28 U	2.1 J	11 J	15	11 J	6.9 J	1.7 J	25	0.73 J	0.13 U	0.1 U	0.66 UJ	0.2 UJ
1,2,3,6,7,8-HxCDF	ng/kg	1.5 J	--	0.093 U	0.12 U	0.41 U	1.1 J	1.4 J	0.96 U	1 J	0.19 U	3.2 J	0.22 U	0.087 U	0.093 U	0.43 UJ	0.29 UJ
1,2,3,7,8-PeCDD	ng/kg	1.3 U	--	0.11 U	0.15 U	0.38 U	1 J	0.55 U	0.29 U	1.2 U	0.15 U	3.1 J	0.093 U	0.085 U	0.051 U	0.24 UJ	0.25 UJ
1,2,3,7,8-PeCDF	ng/kg	--	0.87 J	0.11 U	0.12 U	0.19 U	0.43 U	0.24 U	0.47 U	0.47 U	0.16 U	0.95 U	0.13 U	0.081 U	0.059 U	0.14 UJ	0.23 UJ
1,2,3,7,8,9-HxCDD	ng/kg	4.7 J	--	0.29 U	0.18 U	0.99 U	3.4 J	3 J	2.1 J	3.3 U	0.58 U	11 J	0.36 U	0.13 U	0.049 U	0.22 UJ	0.19 UJ
1,2,3,7,8,9-HxCDF	ng/kg	--	0.88 J	0.12 U	0.16 U	0.22 U	0.44 U	1.6 J	1.2 U	0.51 U	0.26 U	2.2 U	0.26 U	0.1 U	0.24 U	0.51 UJ	0.35 UJ
2,3,4,6,7,8-HxCDF	ng/kg	48 U	--	1.8 U	1.3 U	9.7 U	46 U	100 U	71 U	28 U	7.5 U	140 U	3.4 U	1.2 U	0.3 U	2.6 UJ	1.2 UJ
2,3,4,7,8-PeCDF	ng/kg	1.2 J	--	0.12 U	0.13 U	0.21 U	1.3 U	3.7 J	2.6 U	1.3 J	0.18 U	3.1 U	0.081 U	0.086 U	0.062 U	0.37 UJ	0.24 UJ
2,3,7,8-TCDD	ng/kg	0.088 U	--	0.095 U	0.11 U	0.13 U	0.15 U	0.1 U	0.14 U	0.12 U	0.11 U	1 J	0.16 U	0.037 U	3.7 U	0.074 UJ	0.055 UJ
2,3,7,8-TCDF	ng/kg	0.49 U	--	0.1 U	0.11 U	0.18 U	0.48 U	0.83 J	0.72 U	0.65 U	0.11 U	2.3 U	0.24 U	0.24 U	0.24 U	0.11 UJ	0.067 UJ
OCDD	ng/kg	4900	--	120	70	600	6200	7000	4700	2200	980	9700	180	28	3.5 U	180 J	95 J
OCDF	ng/kg	140	--	2.4 U	2 U	16 J	82	130	100	65	11 J	290	5.3 U	0.97 U	0.049 U	4 J	1.6 UJ
TEQ Avian	ng/kg	7	--	0.39	0.38	1.3	6.7	12	7	5.1	0.97	20	0.6	0.33	2.1	0.69	0.47
TEQ Human	ng/kg	11	--	0.51	0.38	2.1	13	17	11	7.1	1.9	30	0.74	0.23	2	0.74	0.46
TEQ Mammals	ng/kg	11	--	0.51	0.38	2.1	13	17	11	7.1	1.9	30	0.74	0.23	2	0.74	0.46
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.4	--	8.6	8.7	9.6	8.6	9.7	9.8	8.4	9.7	8.6	9.2	9.5	9.7	9.4	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.5 U	2.1 U	2.1 U	2 U	2.2 U	2 U
Arsenic	mg/kg	3.1	--	3.4	3.4	3.6	3.4	2.7	3.4	3.1	3	7.1	5.8	5.3	7.1	8.7	8.3
Barium	mg/kg	120	--	150	120	150	110	97	110	140	120	170	150	210	140	500	490
Beryllium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.43	--	0.2 U	0.2 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22	0.21 U	0.25 UJ	0.21 UJ	0.21 UJ	0.2 UJ	0.22 U	0.2 U
Chromium, total	mg/kg	18	--	16	14	17	21	18	20	18	20	27	18	25	21	20	20
Cobalt	mg/kg	5	--	6.2	5.9	6.4	6.8	5.7	6.2	5.7	6.7	7.4	6.9	9.1	8.1	7.2	7.4
Copper	mg/kg	--	7.7	9.6	8.6	10	12	9.3	8.9	9.2	7.7	22	8.9	10	9.3	12	9.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	6.4	--	3.5	3.2	5.5	6.4	5.4	5.6	7.2	3.2	14	1.7	1.7	2	21	24
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.13 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.7	1 U
Nickel	mg/kg	--	9	12	12	12	15	13	15	13	15	16	13	16	15	18	14
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U
Silver	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U
Thallium	mg/kg	2 U	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.5 U	2.1 U	2.1 U	2 U	2.2 U	2 U
Vanadium	mg/kg	23	--	32	33	30	32	28	30	27	29	34	30	37	32	31	32
Zinc	mg/kg	30	--	40	37	38	43	36	40	39	36	70	46	48	56	67	62
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6
	SAMPLE	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124
	DATE	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		2	2	0	2	5	0	2	5	0	2	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate								
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
Acenaphthene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
Acenaphthylene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
Anthracene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
B(a)P Equivalent	ug/kg	--	22	6.1	5.8 U	9.2	31	93	33	52	13	34	29	6 U	5.9 U	6.5	5.9 U
Benzo (a) anthracene	ug/kg	--	11	5 U	5 U	5.1 U	14	34 J	11 J	26	5.3 U	14	24	5.2 U	5.1 U	5.4 U	5.1 U
Benzo (a) pyrene	ug/kg	--	15 J	5 U	5 U	5.1	21	67 J	21 J	34	7.8	23	20	5.2 U	5.1 U	5.4 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	33 J	5.7	5 U	9.6	51	130 J	44 J	110	16	57	28	5.2 U	5.1 U	5.4	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6
	SAMPLE	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124
	DATE	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		2	2	0	2	5	0	2	5	0	2	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	7	--	5 U	5 U	5.1 U	10	25	6.6	11	5.3 U	11	15	5.2 U	5.1 U	5.4 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	11 J	5 U	5 U	5.1 U	16	60 J	19 J	28	6.4	24	15	5.2 U	5.1 U	5.4 U	5.1 U
Chrysene	ug/kg	--	16	5 U	5 U	5.5	31	58 J	18 J	58	7.8	41	23	5.2 U	5.1 U	5.4 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	7	5.2 J	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
Fluoranthene	ug/kg	--	23	6	5 U	7.9	54	89 J	27 J	86	9.5	75	38	5.2 U	5.1 U	5.4 U	5.1 U
Fluorene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.7	--	5 U	5 U	5.1 U	10	24	6.2	12	5.3 U	10	12	5.2 U	5.1 U	5.4 U	5.1 U
Naphthalene	ug/kg	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U
PAH High molecular weight	ug/kg	--	131	16.7	0	35.3	253	579	185	444	57.4	318	210	0	0	10.8	0
PAH Low molecular weight	ug/kg	--	5.4	0	0	0	21	20	7.3	23	0	15	6	0	0	0	0
Phenanthrene	ug/kg	--	5.4	5 U	5 U	5.1 U	21	20	7.3	18	5.3 U	15	6	5.2 U	5.1 U	5.4 U	5.1 U
Pyrene	ug/kg	--	22	5	5 U	7.2	46	85 J	27 J	79	9.9	63	35	5.2 U	5.1 U	5.4	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2-Chlorophenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2-Methylphenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2-Nitroaniline	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
2-Nitrophenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
3-Nitroaniline	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
3,3-Dichlorobenzidene	ug/kg	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U
4-Chloroaniline	ug/kg	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
4-Methylphenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
4-Nitroaniline	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
4-Nitrophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 UJ	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
Benzyl alcohol	ug/kg	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Butylbenzylphthalate	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	4100 U	350 U	340 U	340 U	360 U	3300 U
Dibenzofuran	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Diethyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Dimethyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Hexachlorobenzene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Hexachloroethane	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6
	SAMPLE	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124
	DATE	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		2	2	0	2	5	0	2	5	0	2	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate								
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Pentachlorophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U
Phenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 U	10 U	14	13	10 U	11 U	12 U	11 U	10 U	10 U	11 U	10 U
TPH as gasoline	mg/kg	1.4 U	--	--	1.4 U	1.6 U	--	1.7 U	1.6 U	--	1.4 U	--	--	--	--	--	--
TPH as motor oil	mg/kg	18	--	10 U	10 U	14	26	65	57	15	11 U	72	11 U	15	10 U	26	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6
	SAMPLE	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124
	DATE	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		2	2	0	2	5	0	2	5	0	2	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0	3	6	0	3	6	0	3	0.5	3	6	10	0.5	3
	SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2
	SAMPLE	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	0	2	0	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	1	3	1	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	0.5	3	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	27 J	5.8 J	--	26 J	12 J	22 J	7.4 J	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	3.7 J	2.3 J	--	2.2 UJ	2.2 J	2.5 J	0.83 UJ	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	1.1 UJ	0.41 UJ	--	0.22 UJ	0.23 UJ	0.39 J	0.11 UJ	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	1.2 UJ	0.25 UJ	--	0.45 UJ	0.16 UJ	0.15 UJ	0.12 UJ	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	1.4 J	0.4 UJ	--	0.56 UJ	0.1 UJ	0.23 UJ	0.17 UJ	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	1.9 J	0.41 UJ	--	0.71 UJ	0.23 UJ	0.9 UJ	0.25 UJ	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	1.1 UJ	0.24 UJ	--	0.43 UJ	0.4 J	0.15 UJ	0.58 J	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	1.1 J	0.35 UJ	--	0.18 UJ	0.19 UJ	0.47 J	0.09 UJ	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	1 J	0.45 UJ	--	0.1 UJ	0.23 UJ	0.15 UJ	0.1 UJ	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	1.7 UJ	0.4 UJ	--	0.42 UJ	0.28 UJ	0.43 UJ	0.21 UJ	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	1.4 J	0.29 UJ	--	0.52 UJ	0.18 UJ	0.18 UJ	0.14 UJ	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	5.1 UJ	2.7 UJ	--	5.1 UJ	2.6 UJ	2.5 UJ	0.7 UJ	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	1.7 UJ	1.3 UJ	--	0.11 UJ	0.24 UJ	0.15 UJ	0.1 UJ	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	0.63 J	0.2 UJ	--	0.046 UJ	0.15 UJ	0.075 UJ	0.036 UJ	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	0.23 UJ	0.49 UJ	--	0.072 UJ	0.19 UJ	0.076 UJ	0.11 UJ	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	230 J	79 J	--	340 J	140 J	190 J	59 J	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	7 J	4.8 J	--	16 J	4.4 J	3.4 UJ	0.83 UJ	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	3.5	1.4	--	0.64	0.65	0.89	0.31	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	3.3	0.84	--	0.91	0.63	1.1	0.32	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	3.3	0.84	--	0.91	0.63	1.1	0.32	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.6	9.2	8.2	8.2	8.2	9.3	8.6	9.3	9.3	8.26	8.76	9.8	--	8.19	8.89	8.97
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 UJ	2 U	2 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	7.9	11	4.6	4.1	9	4	3.1	3.3	3.2	6	6.4	4.6	6.9	8.3	5.5	5.5
Barium	mg/kg	300	150	120	170	250	77	62	57	72	170	190	190	190	210	220	1300
Beryllium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U
Cadmium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.22 U	0.52	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.41 U	0.41 U	3	0.42	0.41 U	0.41 U
Chromium, total	mg/kg	25	14	11	15	15	12	9.6	9.6	11	19	23	22	19	32	19	25
Cobalt	mg/kg	8.9	7.4	6.1	5.7	9	5	4.6	5.1	5.5	5.8	6.6	7.1	5.8	6.8	6.9	8.9
Copper	mg/kg	10	9.1	8	11	7.5	9.3	8.1	7.5	8.6	12	14	9	10	20	10	14
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.4	6.1	220	30	8.5	26	28	23	13	9.9	20	4.7	9.2	15	7.7	3.4
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.11 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U
Nickel	mg/kg	18	10	8	9	11	7.5	7.1	7.8	8.6	13	14	14	13	18	14	19
Selenium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	2.1 U	1 U	2 U
Silver	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U
Thallium	mg/kg	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	4 U	4.1 U	2 U	4 U	4.1 U	4.2 U	4.1 U
Vanadium	mg/kg	34	45	25	23	55	29	25	26	32	23	30	31	22	32	32	41
Zinc	mg/kg	59	79	40	70	79	43	45	61	63	46	58	44	44	75	42	56
Metals CLP																	

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PG&E Topock Compressor Station
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	LOCATION	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2
	SAMPLE	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	0	2	0	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	1	3	1	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	0.5	3	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	4400	4300	4600	5100	11000	--	--	--	20000	--	--
Calcium	mg/kg	--	--	--	--	--	15000	16000	14000	20000	33000	--	--	--	45000	--	--
Cyanide	mg/kg	--	--	--	--	--	0.2 U	0.2 U	0.2 U	0.21 U	1 U	--	--	--	1 U	--	--
Iron	mg/kg	--	--	--	--	--	15000	15000	18000	21000	14000	--	--	--	20000	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	2900	2900	3200	3700	8500	--	--	--	12000	--	--
Manganese	mg/kg	--	--	--	--	--	200	200	190	250	330	--	--	--	350	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	1200	1400	1600	1700	2500	--	--	--	5000	--	--
Sodium	mg/kg	--	--	--	--	--	190	280	180	300	580	--	--	--	710	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5 U	--	--	--	5.2 U	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	50 U	--	--	--	52 U	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	33 U	33 U	33 U	34 U	33 U	--	--	--	34 U	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Total PCBs	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Anthracene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	5.9 U	13	58 U	6.2	34	6.3	57	6.1	6.1	6 U	5.9 U	5.9 U	12	6 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.1 U	6.2	5.2 U	5.1 U	15	5.1 U	6.1	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.1 U	8.1	52 U	5.1 U	24	5.1 U	51 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	7.5	5.2 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.1 U	16	52 U	5.8	54	7.1	51 U	5.1	5.2	5.2 U	5.1 U	5.1 U	10	5.2 U	5.1 U

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Needles, California

	LOCATION	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2
	SAMPLE	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	0	2	0	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	1	3	1	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	0.5	3	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	5.1 U	5.5 U	52 U	5.1 U	7.7	5.1 U	51 U	5.1 U	5.2	5.2 U	5.1 U	5.1 U	9.3	5.2 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.1 U	7	52 U	5.1 U	13	5.1 U	51 U	5.1 U	5.2	5.2 U	5.1 U	5.1 U	9	5.2 U	5.1 U
Chrysene	ug/kg	5.2 U	5.1 U	12	5.2 U	5.1 U	30	5.1 U	11	5.1 U	6.8	5.2 U	5.1 U	5.1 U	12	5.2 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.1 U	5.5 U	52 U	5.1 U	5.1 U	5.1 U	51 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.1 U	17	5.2 U	6.1	50	6.1	15	6.1	8	5.2 U	5.1 U	5.1 U	15	5.2 U	5.1 U
Fluorene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.1 U	5.5 U	52 U	5.1 U	8.4	5.1 U	51 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	7.5	5.2 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	0	0	83.3	0	17.4	250	19	47.1	18	38.1	0	0	0	83.3	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	16	5.1 U	5.1 U	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U
Pyrene	ug/kg	5.2 U	5.1 U	17	5.2 U	5.5	48	5.8	15	6.8	7.7	5.2 U	5.1 U	5.1 U	13	5.2 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	710 U	710 U	710 U	710 U	710 U	--	--	--	730 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	710 U	710 U	710 U	710 U	710 U	--	--	--	730 U	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	710 U	710 U	710 U	710 U	710 U	--	--	--	730 U	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	690 U	680 U	730 U	690 U	670 U	670 U	6700 U	670 U	670 U	330 U	340 U	340 U	--	340 U	350 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
4-Chloro-3-methylphenol	ug/kg	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U	670 U	660 U	680 U	670 U	--	690 U	690 U	670 U
4-Chloroaniline	ug/kg	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U	670 U	330 U	340 U	340 U	--	340 U	350 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	710 U	710 U	710 U	710 U	710 U	--	--	--	730 U	--	--
Atrazine	ug/kg	--	--	--	--	--	710 U	710 U	710 U	710 U	710 U	--	--	--	730 U	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	710 U	710 U	710 U	710 U	710 U	--	--	--	730 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U	670 U	660 U	680 U	670 U	--	690 U	690 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	3300 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	3300 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 UJ	--	--	--	340 U	--	--
Carbazole	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	--	--	--	340 U	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	360 U	3400 U	340 U	3300 U	3300 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2
	SAMPLE	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	0	2	0	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	1	3	1	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	0.5	3	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
Phenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	11 U	41	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	1.4 U	1.3 U	--	--	1.5 U	1.4 U
TPH as motor oil	mg/kg	10 U	10 U	11 U	250	23	10	10 U	10 U	10 U	45.7 J	10.1 J	10 U	--	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2-Dichlorobenzene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,2,4-Trichlorobenzene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,3-Dichlorobenzene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
1,4-Dichlorobenzene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U
1,4-Dioxane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	--	--	--	340 U	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	86 U	--	--	--	82 U	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	86 U	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	170 U	120 U	--	--	160 U	130 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	86 U	58 U	--	--	82 U	64 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2
	SAMPLE	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	0	2	0	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	1	3	1	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	0.5	3	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	--	--	--	8.2 U	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Hexachlorobutadiene	ug/kg	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U	670 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	670 U	670 U	670 U	670 U	660 U	--	--	--	690 U	--	--
Isophorone	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	--	--	--	8.2 U	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	86 U	58 U	--	--	82 U	64 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	86 U	58 U	--	--	82 U	64 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	--	--	--	8.2 U	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Nitrobenzene	ug/kg	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1
	SAMPLE	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055
	DATE	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	2	9	0	2	5	9	0	2	5	5	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
	SAMPLE TYPE					Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	1300 J	910 J	3600 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	140 J	73 J	470 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	8.1 J	4.7 J	19 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	5.5 J	3.6 J	18 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	13 J	6.3 J	41 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	30 J	20 J	110 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	9.9 J	2.6 UJ	8.5 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	2.9 UJ	2.5 UJ	6.7 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	1.7 J	0.95 UJ	2.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	14 J	9.2 J	33 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	1.4 UJ	0.86 UJ	4.4 J	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	290 UJ	130 UJ	1400 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	1.8 J	1.6 J	4.4 J	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.41 UJ	0.15 UJ	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	1.1 UJ	0.98 J	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	12000 J	9100 J	32000 J	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	440 J	210 J	1200 J	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	26	15	100	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	42	25	150	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	42	25	150	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.25	--	8.99	8.96	--	7.99	9.09	9.34	--	8.37	9.29	9.61	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2.1 UJ	2 U
Arsenic	mg/kg	5.2	6.9	--	6.8	7.4	5.4	7.7	6.2	5	7.5	7.8	6	4.4	--	7.6	3.6
Barium	mg/kg	480	190	220	410	--	110	180	210	140	640	210	370	--	84	1000	88
Beryllium	mg/kg	1 U	2 U	2.1 U	2.1 U	--	1 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	1 U	--	2.1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	--	0.63	0.42 U	0.41 U	0.41 U	0.41 U	0.41 UJ	0.41 U	0.65	0.41 U	0.41 U	--	0.42 U	0.4 U
Chromium, total	mg/kg	19	22	24	76	--	23	25	27	25	27	32	30	18	--	24	13
Cobalt	mg/kg	8.3	6.1	--	7.4	7.1	8.1	6.4	8.5	8.7	9.6	6.8	8.5	8.7	--	8.4	3.2
Copper	mg/kg	6.5	16	14	15	--	11	18	13	11	14	17	12	--	9.6	9.8	9.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.2	13	17	25	--	2.9	17	8	3.7	3.5	14	9.4	--	3.1	3.1	5.6
Mercury	mg/kg	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 UJ
Molybdenum	mg/kg	1	2 U	--	2.1 U	2.4	1.1	2 U	2 U	2 U	2 U	2.1 U	2.5	--	1.6	2.5	1.1
Nickel	mg/kg	14	15	16	17	--	17	17	20	19	22	16	18	14	--	19	7.8
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	3.2	1 U	1 U
Silver	mg/kg	1 U	2 U	2.1 U	2.1 U	--	1 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	1 U	--	2.1 U	1 U
Thallium	mg/kg	2 U	4.1 U	4.2 U	4.1 U	--	2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.2 U	--	2 U	4.1 U	2 U
Vanadium	mg/kg	35	24	--	36	31	33	28	37	38	43	32	38	34	--	37	13
Zinc	mg/kg	47	62	63	75	--	48	79	52	54	59	71	57	53	--	62	54
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1
	SAMPLE	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055
	DATE	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	2	9	0	2	5	9	0	2	5	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	42000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	16000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	3400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	530	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	51 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	34 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
Anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
B(a)P Equivalent	ug/kg	5.9 U	12	9.1	5.9 U	--	5.9 U	11	5.9	5.9 U	5.9 U	23	11	5.9 U	--	5.9 U	5.8
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	10	5.2 U	5.1 U	--	5.1 U	5 U
Benzo (a) pyrene	ug/kg	5.1 U	7.5	5.3	5.1 U	--	5.1 U	6.3	5.1 U	5.1 U	5.1 U	16	6.9	5.1 U	--	5.1 U	5 U
Benzo (b) fluoranthene	ug/kg	5.1 U	9	5.7	5.1 U	--	5.1 U	8.4	5.1 U	5.1 U	5.1 U	19	8.1	5.1 U	--	5.1 U	5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1
	SAMPLE	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055
	DATE	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	2	9	0	2	5	9	0	2	5	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	8.9	5.2 U	5.1 U	--	5.1 U	8	26	5.1 U	5.1 U	14	5.8	5.1 U	--	5.1 U	6.9
Benzo (k) fluoranthene	ug/kg	5.1 U	9.5	6.2	5.1 U	--	5.1 U	8.9	5.1 U	5.1 U	5.1 U	16	6.5	5.1 U	--	5.1 U	5 U
Chrysene	ug/kg	5.1 U	12	7	5.1 U	--	5.1 U	13	5.1 U	5.1 U	5.1 U	24	7.6	5.1 U	--	5.1 U	6.7
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
Fluoranthene	ug/kg	5.1 U	15	7.5	5.1 U	--	5.1 U	18	5.1 U	5.1 U	5.1 U	30	8	5.1 U	--	5.1 U	6.6
Fluorene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	7.3	5.2 U	5.1 U	--	5.1 U	5.6	5.1 U	5.1 U	5.1 U	12	5.4	5.1 U	--	5.1 U	5 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U
PAH High molecular weight	ug/kg	0	82.2	38.8	0	--	0	82.2	26	0	0	168	56.4	0	--	0	25.9
PAH Low molecular weight	ug/kg	0	0	0	0	--	0	0	0	0	0	8.9	0	0	--	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	8.9	5.2 U	5.1 U	--	5.1 U	5 U
Pyrene	ug/kg	5.1 U	13	7.1	5.1 U	--	5.1 U	14	5.1 U	5.1 U	5.1 U	27	8.1	5.1 U	--	5.1 U	5.7
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	720 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	720 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2-Chlorophenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2-Methylphenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2-Nitroaniline	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
2-Nitrophenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	720 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2,4-Dimethylphenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
2,4-Dinitrotoluene	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
2,6-Dinitrotoluene	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
3-Nitroaniline	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	680 U	690 U	680 U	--	--	680 U	1700 U	670 U	--	680 U	690 U	680 U	--	--	--
4-Chloroaniline	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
4-Methylphenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
4-Nitroaniline	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
4-Nitrophenol	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	--	--	1700 U	4200 U	1700 U	--	1700 U	1700 U	1700 U	--	--	--
Acetophenone	ug/kg	--	720 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	720 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	720 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	--	--	1700 U	4200 U	1700 U	--	1700 U	1700 U	1700 U	--	--	--
Benzyl alcohol	ug/kg	--	680 U	690 U	680 U	--	--	680 U	1700 U	670 U	--	680 U	690 U	680 U	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Butylbenzylphthalate	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Caprolactam	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Di-n-octyl phthalate	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Dibenzofuran	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Diethyl phthalate	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Dimethyl phthalate	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Hexachlorobenzene	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Hexachloroethane	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1
	SAMPLE	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055
	DATE	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	2	9	0	2	5	9	0	2	5	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
N-nitrosodiphenylamine	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Pentachlorophenol	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
Phenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 UJ	--	--	10.3	10 U	10 U	--	10 U	10 U	10 U	--	--	--
TPH as gasoline	mg/kg	--	--	--	1.1 U	1.4 U	--	--	1.1 U	1.6 U	--	--	1.1 U	--	1.1 U	--	--
TPH as motor oil	mg/kg	--	10 U	10 U	35.6 J	--	--	14 J	47.5 J	11.9 J	--	11.2 J	37.4 J	11.3 J	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2-Dichlorobenzene	ug/kg	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,3-Dichlorobenzene	ug/kg	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
1,4-Dichlorobenzene	ug/kg	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--
1,4-Dioxane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
2-Hexanone	ug/kg	--	--	--	--	74 U	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Acetone	ug/kg	--	--	--	61 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	120 U	150 U	--	--	120 U	140 U	--	--	120 U	130 U	--	--	--
Acrylonitrile	ug/kg	--	--	--	61 U	74 U	--	--	61 U	69 U	--	--	62 U	66 U	--	--	--
Benzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Bromobenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Bromochloromethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Bromodichloromethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Bromoform	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Bromomethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Carbon disulfide	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Chloro methane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Chlorobenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Chloroethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
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Needles, California

	LOCATION	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1
	SAMPLE	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055
	DATE	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	2	9	0	2	5	9	0	2	5	5	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	3	10	0.5	3	6	10	0.5	3	6	6	10	0.5
	SAMPLE TYPE					Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	7.4 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Dibromomethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Ethyl- benzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Hexachlorobutadiene	ug/kg	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
Isopropylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	7.4 U	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	61 U	74 U	--	--	61 U	69 U	--	--	62 U	66 U	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	61 U	74 U	--	--	61 U	69 U	--	--	62 U	66 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	7.4 U	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
N-Butylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
N-Propylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Nitrobenzene	ug/kg	--	340 U	340 U	340 U	--	--	340 U	840 U	340 U	--	340 U	340 U	340 U	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Styrene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Tetrachloroethene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Toluene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Trichloroethene	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Vinyl chloride	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Xylene, m,p-	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Xylene, o-	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--
Xylenes, total	ug/kg	--	--	--	6.1 U	7.4 U	--	--	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2
	SAMPLE	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	0	2	5	9	0	2	5	9	0	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	4.9 J	77 J	100 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.1 J	7.5 J	10 J	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.12 UJ	0.87 UJ	0.84 UJ	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.099 UJ	0.55 J	0.87 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.13 UJ	0.88 J	0.83 UJ	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.23 UJ	2.2 J	3.2 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.23 UJ	0.76 UJ	1.3 J	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.11 UJ	0.5 UJ	0.65 UJ	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.16 UJ	0.33 UJ	0.41 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.28 UJ	1.5 UJ	2 J	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.11 UJ	0.21 UJ	0.36 UJ	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.3 UJ	13 UJ	16 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.57 UJ	0.66 J	1.4 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.041 UJ	0.061 UJ	0.06 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.039 UJ	0.24 UJ	0.21 UJ	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	54 J	720 J	920 J	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	2 U	18 J	21 J	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	0.52	2.2	3.5	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	0.36	2.7	3.8	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	0.36	2.7	3.8	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	7.64	8.36	8.39	--	--	7.88	8.24
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2 U	2 U	2.1 U	--	2 U	2 U
Arsenic	mg/kg	7.2	6.1	6.6	5.2	5.3	9	8.8	8.5	7.1	6.7	5.2	6.2	6	--	4.8	13
Barium	mg/kg	130	77	230	120	140	240	270	51	150	200 J	110	230	250	--	190	270
Beryllium	mg/kg	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.41 U	0.41 U	0.4 U	0.62	0.41 U	0.41 U	0.41 U	--	0.4 U	0.41 U	0.41 U	0.55	0.65	0.41 U
Chromium, total	mg/kg	19	16	13	15	19	29	27	19	24	27	17	21	20	--	21	32
Cobalt	mg/kg	6.7	6.7	6.2	5.1	6	6.8	8.5	6.8	7.7	8.1	3.6	6.5	5.7	--	5.6	9.1
Copper	mg/kg	8.9	7.6	7	8.1	15	17	15	9.5	11	16	7	15	13	--	13	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	6	3	3	7.1	5.9	16	5.7	3.7	3	25	8.2	22	13	--	45	7.6
Mercury	mg/kg	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	--	0.1 U	0.1 U
Molybdenum	mg/kg	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1.1	1.4	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U
Nickel	mg/kg	14	13	11	11	14	17	19	14	19	20	8.9	15	15	--	13	20
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U
Thallium	mg/kg	4 U	2 U	2 U	2 U	2 U	4 U	4.1 U	2 U	2.1 U	10 U	4 U	4.1 U	4.1 U	--	4 U	10 U
Vanadium	mg/kg	29	29	29	21	26	27	38	32	30	41	33	37	33	--	30	43
Zinc	mg/kg	48	42	40	42	53	73	57	46	48	71	28	72	65	--	76	74
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2
	SAMPLE	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9	0	2	5	9	0	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	11000	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	27000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	26000	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	8300	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	440	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	2400	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	180	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	50 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	33 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	12	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	5.9 U	6.1	5.8 U	60	5.9 U	5.9 U	5.9 U	97	150	45	80	--	520	26
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	25	5.1 U	5.1 U	5.1 U	--	80	21	56	50	290	14
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	37	5.1 U	5.1 U	5.1 U	65	110	31	54	--	360	18
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.3	5 U	59	5.1 U	5.1 U	5.1 U	98	150	44	52	--	530	24

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2
	SAMPLE	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	0	2	5	9	0	2	5	9	0	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5.1 U	5.4	5 U	36	5.1 U	5.1 U	5.1 U	52	74	19	34	--	170	13
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	43	5.1 U	5.1 U	5.1 U	41	67	21	57	--	140	10
Chrysene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	59	5.1 U	5.1 U	5.1 U	88	130	38	67	--	430	21
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	11	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1	11	--	56	5.1 U
Fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.9	5 U	89	5.1 U	5.1 U	5.1 U	120	190	56	100	--	860	34
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	30	5.1 U	5.1 U	5.1 U	49	75	19	33	--	180	13
Naphthalene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	25 U	5.6 U	5.1 U	5.1 U	--	5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	16.6	0	467	0	0	0	667	1060	307	558	--	3680	177
PAH Low molecular weight	ug/kg	0	0	0	0	0	26	0	0	0	30	45	14	25	--	192	9.5
Phenanthrene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	26	5.1 U	5.1 U	5.1 U	30	45	14	25	--	180	9.5
Pyrene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	78	5.1 U	5.1 U	5.1 U	110	180	53	94	--	660	30
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	4100 U	4200 U	4200 U	--	--	4200 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	4100 U	4200 U	4200 U	--	--	4200 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	830 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	830 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2
	SAMPLE	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	0	2	5	9	0	2	5	9	0	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	101 U	10 U	10 U	--	--	101 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	1.2 U	1.3 U	--	--	--	1.4 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	101 U	10 U	16	--	--	101 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	830 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	56 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	56 U	71 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	110 U	140 U	--	--	--	120 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	56 U	71 U	--	--	--	62 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U

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Needles, California

	LOCATION	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2
	SAMPLE	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	0	2	5	9	0	2	5	9	0	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	56 U	71 U	--	--	--	62 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	56 U	71 U	--	--	--	62 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4
	SAMPLE	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147
	DATE	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	2	9	0	2	5	9	14	19	29	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	0.5	3
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	520 J	22 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56 J	2.4 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.1 J	0.15 UJ
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5 UJ	0.19 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6 J	0.28 UJ
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15 J	0.15 UJ
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7 UJ	0.18 UJ
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 J	0.16 UJ
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3 J	0.28 UJ
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.4 J	0.14 UJ
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38 UJ	0.22 UJ
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110 UJ	5.7 UJ
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	0.24 UJ
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.19 UJ	0.12 UJ
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.81 J	0.19 UJ
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4800 J	510 J
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	180 J	3.7 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	0.79
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18	0.93
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18	0.93
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.13	--	8.74	8.03	7.9	--	--	8.56	7.92	7.99	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	--	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2.1 UJ	2 U
Arsenic	mg/kg	10	9	4.8	--	7.7	7.9	5.3	5.1	7.6	6.6	6.3	4.3	4.3	2.9	3.6	3.6
Barium	mg/kg	150	330	120	--	200	220	140	170	220	190	160	38	53	53	89 J	58
Beryllium	mg/kg	5.1 U	5.1 U	2 U	--	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	0.04	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	0.4 U	--	2	2	3.3	0.74	2.7	1.3	2.1	0.67 J	0.21 UJ	0.2 UJ	0.38	0.2 U
Chromium, total	mg/kg	24	24	26	--	64	64	130	26	81	56	70	18	17	27	16	12
Cobalt	mg/kg	8.3	8.3	4.8	--	7.4	6.5	5.8	5.7	6.8	6	6.2	7.7	8.1	10	5.4	6.2
Copper	mg/kg	14	15	9.7	--	20	20	17	12	21	16	16	8.4	9.7	14	7.4	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	0.016 J	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.9	8.2	30	--	24	26	11	11	28	18	10	2.2	1.6	1 U	3.1	1.8
Mercury	mg/kg	0.1 U	0.1 UJ	0.098 U	--	0.1 U	0.11 U	0.1 UJ	0.1 U	0.11 U	0.11 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	5.1 U	5.1 U	2.7	2.3	2.1 U	--	2 U	2 U	2.7	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	18	18	9.8	--	18	16	13	12	16	14	14	15	12	19	11	10
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 UJ	1 U
Silver	mg/kg	5.1 U	5.1 U	2 U	--	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	10 U	10 U	4 U	--	4.1 U	4.1 U	4.1 U	4 U	4.3 U	4.2 U	4 U	2.1 U	2.1 U	2 U	2.1 U	2 U
Vanadium	mg/kg	40	40	19	--	35	32	24	23	32	27	27	33	36	42	21	29
Zinc	mg/kg	75	86	47	--	110	110	62	52	130	93	70	42	42	39	31	34
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4
	SAMPLE	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147
	DATE	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	2	9	0	2	5	9	14	19	29	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	0.5	3
SAMPLE TYPE					Field Duplicate												
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	9000	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	33000	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	13000	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	8400	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	300	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2500	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	430	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	--	--	--	5.3 U	5.2 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	--	--	--	53 U	52 U	51 U	51 U	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	33 U	35 UJ	--	--	35 U	34 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	29	190 J	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	18 UJ	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	37.5	199	--	--	17 U	17 U	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	7.3	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	50	--	71	110	5.9 U	28	170	140	35	21	6 U	5.9 U	6.4	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	27	--	31	52	5.1 U	14	75	77	17	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	35	--	46	68	5.1 U	20	110	89	23	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	36	--	49	66	5.1 U	21	99	82	23	5.3 U	5.2 U	5.1 U	6.9	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4
	SAMPLE	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147
	DATE	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	2	9	0	2	5	9	14	19	29	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	0.5	3
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	21	--	46	60	5.1 U	13	98	73	20	15	5.2 U	5.1 U	5.2 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	32	--	54	73	5.1 U	18	140	120 J	30	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Chrysene	ug/kg	5.1 U	5.1 U	45	--	60	90	5.1 U	26	140	120	31	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	6.7	--	12	19	5.1 U	5 U	28	24	5.7	16	5.2 U	5.1 U	5.2 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.1 U	67	--	78	400	5.1 U	37	180	170	40	5.3 U	5.2 U	5.1 U	5.5	5.1 U
Fluorene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	21	--	44	58	5.1 U	13	95	69	18	18	5.2 U	5.1 U	5.2 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	0	0	352	--	494	1260	0	196	1140	984	245	49	0	0	17.9	0
PAH Low molecular weight	ug/kg	0	0	25	--	24	48	0	15	61	78.3	12	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	25	--	24	48	5.1 U	15	61	71	12	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	61	--	74	370	5.1 U	34	170	160	37	5.3 U	5.2 U	5.1 U	5.5	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	680 U	--	660 U	680 U	690 U	--	--	660 U	710 U	690 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	--	1700 U	1700 U	--	1700 U	1800 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	--	1700 U	1700 U	--	1700 U	1800 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	680 U	--	660 U	680 U	690 U	--	--	660 U	710 U	690 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4
	SAMPLE	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147
	DATE	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	2	9	0	2	5	9	14	19	29	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	0.5	3
SAMPLE TYPE					Field Duplicate												
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
Phenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 U	78 J	10 U	--	--	10 U	10	10 U	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.3 U	--	--	2.4 UJ	1.5 UJ	--	--	--	2.3 UJ	1.5 UJ	--	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	--	10 U	71.2	76.5	--	--	10 U	79.2	43.1	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	160 UJ	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	110 U	--	--	230 UJ	140 UJ	--	--	--	320 UJ	140 UJ	--	--	--	--	--	--
Acrylonitrile	ug/kg	56 U	--	--	120 UJ	69 UJ	--	--	--	160 UJ	69 UJ	--	--	--	--	--	--
Benzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Bromobenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Bromochloromethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Bromodichloromethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Bromoform	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Bromomethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Carbon disulfide	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Chloro methane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Chlorobenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Chloroethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4
	SAMPLE	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147
	DATE	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	2	9	0	2	5	9	14	19	29	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	3	10	0.5	3	6	10	15	20	30	0.5	3
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Chloroform	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	16 UJ	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Dibromomethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Ethyl- benzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	660 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	16 UJ	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	56 U	--	--	120 UJ	69 UJ	--	--	--	160 UJ	69 UJ	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	56 U	--	--	120 UJ	69 UJ	--	--	--	160 UJ	69 UJ	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	16 UJ	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
N-Butylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
N-Propylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	--	330 U	--	340 U	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Styrene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Toluene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Trichloroethene	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Vinyl chloride	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Xylene, m,p-	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Xylene, o-	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--
Xylenes, total	ug/kg	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1
	SAMPLE	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044
	DATE	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	5	9	14	19	9	0	2	5	9	0	2	5	9	0	2.5	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE					Field Duplicate											
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	26 J	--	--	--	--	--	--	--	--	--	--	--	--	180 J	20 J	8.8 J
1,2,3,4,6,7,8-HpCDF	ng/kg	3.8 UJ	--	--	--	--	--	--	--	--	--	--	--	--	15 J	2.9 J	1.2 J
1,2,3,4,7,8-HxCDD	ng/kg	0.26 UJ	--	--	--	--	--	--	--	--	--	--	--	--	3.1 J	0.25 UJ	0.11 UJ
1,2,3,4,7,8-HxCDF	ng/kg	0.22 UJ	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	0.11 UJ	0.059 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	0.13 UJ	--	--	--	--	--	--	--	--	--	--	--	--	1.2 J	0.22 UJ	0.25 UJ
1,2,3,6,7,8-HxCDD	ng/kg	0.19 UJ	--	--	--	--	--	--	--	--	--	--	--	--	6.6 J	0.64 J	0.33 UJ
1,2,3,6,7,8-HxCDF	ng/kg	0.34 UJ	--	--	--	--	--	--	--	--	--	--	--	--	1.4 J	0.11 UJ	0.13 UJ
1,2,3,7,8-PeCDD	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--	--	1.8 J	0.1 UJ	0.13 UJ
1,2,3,7,8-PeCDF	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--	--	0.44 J	0.059 UJ	0.056 UJ
1,2,3,7,8,9-HxCDD	ng/kg	0.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--	4.8 J	0.53 UJ	0.4 J
1,2,3,7,8,9-HxCDF	ng/kg	0.26 UJ	--	--	--	--	--	--	--	--	--	--	--	--	0.27 UJ	0.13 UJ	0.069 UJ
2,3,4,6,7,8-HxCDF	ng/kg	20 UJ	--	--	--	--	--	--	--	--	--	--	--	--	19 UJ	2.5 UJ	1.3 UJ
2,3,4,7,8-PeCDF	ng/kg	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--	--	0.73 J	0.062 UJ	0.099 UJ
2,3,7,8-TCDD	ng/kg	0.031 UJ	--	--	--	--	--	--	--	--	--	--	--	--	0.078 UJ	0.047 UJ	0.032 UJ
2,3,7,8-TCDF	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--	--	0.42 UJ	0.11 UJ	0.036 UJ
OCDD	ng/kg	230 J	--	--	--	--	--	--	--	--	--	--	--	--	1800 J	210 J	81 J
OCDF	ng/kg	3.1 J	--	--	--	--	--	--	--	--	--	--	--	--	38 J	4.7 J	2.2 J
TEQ Avian	ng/kg	1.4	--	--	--	--	--	--	--	--	--	--	--	--	5.2	0.42	0.3
TEQ Human	ng/kg	1.6	--	--	--	--	--	--	--	--	--	--	--	--	7.2	0.63	0.36
TEQ Mammals	ng/kg	1.6	--	--	--	--	--	--	--	--	--	--	--	--	7.2	0.63	0.36
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	8.06	8.7	8.91
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2.1 U	2.1 U
Arsenic	mg/kg	3.5	3.3	2.4	3.4	--	3.6	4.3	6.9	5.8	3.5	3.6	3.6	3.4	9.5	4.5	5.9
Barium	mg/kg	39	70 J	240	270	--	75	91	160	110	71	77	100	98	310 J	86	94
Beryllium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1 U	2.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.25	0.2 U	--	0.4 U	0.4 U	1.1	0.41 U	0.4 U	0.4 U	7.8	2.1	0.68	0.41 U	0.42 U
Chromium, total	mg/kg	13	18	21	17	--	12	16	37	19	14	16	32	73	--	24	29
Cobalt	mg/kg	7.4	8.4	7.8	6.8	--	3.3	4.4	6.1	5.9	3.4	3.9	4.2	3.4	--	9	8.4
Copper	mg/kg	8.9	8.4	7.8	8.1	--	5.2	11	13	6.2	4.9	4.9	11	30	--	12	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.5	1.7	1 U	1.1	--	6.8	5.5	11	5	8	6.5	8.9	8.6	16	4.8	5
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	2.9	2 U	1 U	1 U	1 U	1 U	--	1.2	2.1 U
Nickel	mg/kg	12	13	12	10	--	6.8	8.6	14	12	6.6	7.5	9.2	7.7	--	17	21
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1 U	2.1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	--	2 U	2 U	4.1 U	4.1 U	2 U	2 U	2 U	2.1 U	--	2.1 U	4.1 U
Vanadium	mg/kg	35	36	32	30	--	14	17	25	21	14	16	18	15	--	32	39
Zinc	mg/kg	62	67	38	37	--	23	30	57	31	25	30	54	290	--	48	52
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1
	SAMPLE	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044
	DATE	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	9	0	2	5	9	0	2	5	9	0	2.5	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	19000 J	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	43000 J	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	450	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	6.1	--	--
4,4-DDT	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	12 J	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	6.7	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	13 J	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	51 U	51 U	51 U	51 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1221	ug/kg	34 U	--	34 U	34 U	33 U	--	--	--	--	--	--	--	--	--	34 UJ	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	76	17 UJ	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Total PCBs	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	84.5	17 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	5.9 U	5.9 U	--	5.8	5.8	5.9	5.9 U	11	61	29	5.9	68	5.9 U	6 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	34	9	5.1 U	--	5.1 U	5.2 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	6.9	41	18	5.1 U	44	5.1 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	7.3	40	16	5.1 U	46	5.1 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1
	SAMPLE	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044
	DATE	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	5	9	14	19	9	0	2	5	9	0	2	5	9	0	2.5	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE					Field Duplicate											
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5	5 U	5.1 U	5.1 U	6.3	31	17	5.1 U	43	5.1 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	8.3	48	21	5.1 U	61 J	5.1 U	5.2 U
Chrysene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	8.6	51	16	5.1 U	--	5.1 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	9.1	7	5.1 U	12	5.1 U	5.2 U
Fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1	6	5.7	5.1 U	12	69	18	5.9	--	5.1 U	5.2 U
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.3	29	17	5.1 U	38	5.1 U	5.2 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	4.4 U	3.5 U
PAH High molecular weight	ug/kg	0	0	0	0	--	15.4	12	11	0	65.7	418	155	5.9	--	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	--	0	0	0	0	0	25	8.2	0	--	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	25	8.2	5.1 U	--	5.1 U	5.2 U
Pyrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	5.3	6	5.3	5.1 U	11	66	16	5.1 U	--	5.1 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U	680 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1
	SAMPLE	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044
	DATE	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	9	0	2	5	9	0	2	5	9	0	2.5	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	0.96 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44 U	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87 U	70 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44 U	35 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 UJ	3.5 UJ
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U

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Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1
	SAMPLE	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044
	DATE	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	5	9	14	19	9	0	2	5	9	0	2	5	9	0	2.5	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	15	20	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE					Field Duplicate											
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44 U	35 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44 U	35 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3
	SAMPLE	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016
SAMPLE TOP DEPTH (FT)		0	9	0	2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13
SAMPLE BOTTOM DEPTH (FT)		0.5	10	0.5	3	6	10	0.5	3	6	10	3	1	3	6	10	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	14
SAMPLE TYPE		Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	240 J	110 J	54 J	76 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	21 J	14 J	5.7 J	7.2 J	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 UJ	1.4 UJ	0.25 UJ	0.86 UJ	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.4 UJ	1.1 UJ	0.33 UJ	0.39 UJ	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2 J	0.9 UJ	0.33 UJ	0.88 UJ	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	7.8 J	2.9 UJ	0.25 UJ	2.3 UJ	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.9 UJ	0.73 UJ	0.32 UJ	0.66 UJ	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.6 UJ	1.3 UJ	0.29 UJ	0.79 UJ	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.87 UJ	0.4 UJ	0.25 UJ	0.22 UJ	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	5 J	0.71 UJ	1.1 UJ	1.8 J	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.79 UJ	0.42 UJ	0.38 UJ	0.45 UJ	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	31 UJ	14 UJ	9.2 UJ	11 UJ	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.5 J	0.3 UJ	0.6 UJ	0.4 UJ	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.43 UJ	0.14 UJ	0.074 UJ	0.1 UJ	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.31 UJ	0.14 UJ	0.17 UJ	0.15 UJ	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1800 J	830 J	430 J	570 J	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	39 J	17 J	9.8 J	13 J	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	5.8	2.2	1.3	1.8	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	7.8	3.3	1.6	2.5	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	7.8	3.3	1.6	2.5	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	7.94	8.3	7.87	--	8.05	7.72	7.8	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U	2.2 U	2.1 U	2 U
Arsenic	mg/kg	--	8.6	5.8	3.4	4	4.6	4.8	--	3.3	5.2	3.3	3.8	3.6	4.9	4.5	4
Barium	mg/kg	--	180	180	110	100	110	140	88	100	100	--	80 J	110	180	170	120
Beryllium	mg/kg	2 U	2.1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	--	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	0.011	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.66	0.96	3.2	0.96	3.2	1.4	3.8	2.3	0.44 U	--	2.3 J	0.2 U	0.22 U	0.21 U	0.2 U
Chromium, total	mg/kg	33	28	43	92	48	84	37	130	98	36	--	--	11	19	12	11
Cobalt	mg/kg	8.6	7.1	5.4	5.8	5.8	4.6	5.1	--	4.7	8.6	3.5	--	4.1	5.4	4.7	3.9
Copper	mg/kg	20	11	10	41	17	31	12	19	30	19	--	--	6.7	7.5	6.9	5.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	0.0044 J	--	--	--	--	--	--	--	--
Lead	mg/kg	--	9.3	10	9	6.4	13	28	11	9.6	4.6	--	5.9	3.6	4.5	4.4	3.3
Mercury	mg/kg	--	0.1 UJ	0.098 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.099 U	0.1 U	0.11 UJ	--	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	2 U	2.1 U	2 U	1 U	1 U	1 U	1.1	--	1.3	2.1 U	2.9	1 U	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	19	16	11	12	12	9.8	11	--	9.3	19	7.3	--	7.3	12	8.9	7.3
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1 U
Silver	mg/kg	2 U	2.1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	--	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	4 U	4.1 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	4.2 U	--	2 U	2 U	2.2 U	2.1 U	2 U
Vanadium	mg/kg	44	31	22	26	28	20	24	--	20	38	15	17	19	26	22	18
Zinc	mg/kg	76	49	54	170	59	140	160	130	150	53	--	--	21	29	25	35
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3
	SAMPLE	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016
SAMPLE TOP DEPTH (FT)		0	9	0	2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13
SAMPLE BOTTOM DEPTH (FT)		0.5	10	0.5	3	6	10	0.5	3	6	10	3	1	3	6	10	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	14
SAMPLE TYPE		Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	7900	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	23000	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Iron	mg/kg	23000	--	--	--	--	--	12000	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	12000	--	--	--	--	--	6400	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	400	--	--	--	--	--	220	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	5300	--	--	--	--	--	2300	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	580 U	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
4,4-DDT	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Aldrin	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Endrin	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Endrin aldehyde	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Endrin ketone	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	--	--	--	--	--	5 U	--	--	--	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
Toxaphene	ug/kg	51 U	--	--	--	--	--	50 U	--	--	--	--	51 U	51 U	56 U	52 U	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	--	--	--	--	--	33 U	34 U	34 U	35 U	--	34 U	34 U	37 U	34 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	190	--	18	17 U	26	--	38	18 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	240	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	430	--	26.5	17 U	34.5	--	46.5	18 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	--	6 U	110	24	10	60	480	--	6.2	6.1 U	6.4	62	100	65	60	57 U
Benzo (a) anthracene	ug/kg	31	5.2 U	47	16	5.5	45	440	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	5.1 U
Benzo (a) pyrene	ug/kg	--	5.2 U	67	17	6	35	380	5 U	5.1 U	5.3 U	--	51 U	61	56 U	52 U	51 U
Benzo (b) fluoranthene	ug/kg	--	5.2 U	68	18	6.9	49	400	5 U	5.6	5.3 U	--	58	100	56 U	52 U	51 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3
	SAMPLE	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016
SAMPLE TOP DEPTH (FT)		0	9	0	2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13
SAMPLE BOTTOM DEPTH (FT)		0.5	10	0.5	3	6	10	0.5	3	6	10	3	1	3	6	10	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	14
SAMPLE TYPE		Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	5.2 U	61	14	5.4	32	22	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U
Benzo (k) fluoranthene	ug/kg	--	5.2 U	85 J	22 J	8.1 J	48	380	5 U	5.1 U	5.3 U	--	51 U	51	56 U	52 U	51 U
Chrysene	ug/kg	65	5.2 U	91	27	9.1	60	530	5 U	5.6	5.3 U	--	51 U	61	56 U	52 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.2 U	21	5 U	5.1 U	12	6.4	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U
Fluoranthene	ug/kg	120	5.2 U	130	50	17	87	1500	--	10	5.3 U	10	--	79 J	13 J	16 J	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.2 U	56	13	5.1 U	30	20	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U
Naphthalene	ug/kg	5.1 U	5.1 U	5 U	5 U	4.6 U	5 U	5	5 U	4.5 U	4 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	534	0	756	220	73	476	4880	--	29.4	0	21	124	427	26	31	0
PAH Low molecular weight	ug/kg	36	0	56	26	8.6	43	595	--	0	0	6	15	19	0	0	0
Phenanthrene	ug/kg	36	5.2 U	56	26	8.6	43	590	--	5.1 U	5.3 U	6	15 J	19 J	5.6 U	5.2 U	5.1 U
Pyrene	ug/kg	100	5.2 U	130	43	15	78	1200	--	8.2	5.3 U	11	--	75 J	13 J	15 J	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	660 U	670 U	680 U	680 U	660 U	660 U	670 U	690 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	680 U	660 U	670 U	680 U	680 U	660 U	660 U	670 U	690 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Caprolactam	ug/kg	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3
	SAMPLE	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016
SAMPLE TOP DEPTH (FT)		0	9	0	2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13
SAMPLE BOTTOM DEPTH (FT)		0.5	10	0.5	3	6	10	0.5	3	6	10	3	1	3	6	10	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	14
SAMPLE TYPE		Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
Phenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 UJ	10 U	10 U	10 U	10 UJ	13.8	--	15.6	10 UJ	10.1	--	--	--	--	--
TPH as gasoline	mg/kg	--	0.92 U	--	0.99 U	1.1 U	0.93 U	--	0.9 UJ	1 UJ	0.79 U	--	--	--	--	--	--
TPH as motor oil	mg/kg	15.4	10 UJ	11.7	42.2 J	23.6	17.7 J	166	--	105	10 UJ	544	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--
1,4-Dioxane	ug/kg	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	51 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	51 U	45 U	40 U	--	--	--	--	--	--
Acrolein	ug/kg	--	100 U	--	110 U	92 U	100 U	--	--	91 U	79 U	99 U	--	--	--	--	--
Acrylonitrile	ug/kg	--	51 U	--	54 U	46 U	50 U	--	--	45 U	40 U	50 U	--	--	--	--	--
Benzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Bromobenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Bromochloromethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Bromodichloromethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Bromoform	ug/kg	--	5.1 UJ	--	5.4 UJ	4.6 UJ	5 UJ	--	--	4.5 UJ	4 UJ	5 U	--	--	--	--	--
Bromomethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Carbon disulfide	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Chloro methane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Chlorobenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Chloroethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3
	SAMPLE	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016
SAMPLE TOP DEPTH (FT)		0	9	0	2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13
SAMPLE BOTTOM DEPTH (FT)		0.5	10	0.5	3	6	10	0.5	3	6	10	3	1	3	6	10	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	14
SAMPLE TYPE		Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Dibromomethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Ethyl- benzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	670 U	--	--	--	--	--	660 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	51 U	--	54 U	46 U	50 U	--	--	45 U	40 U	50 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	51 U	--	54 U	46 U	50 U	--	--	45 U	40 U	50 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
N-Butylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
N-Propylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Styrene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Tetrachloroethene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Toluene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Trichloroethene	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Vinyl chloride	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Xylene, m,p-	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Xylene, o-	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--
Xylenes, total	ug/kg	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077
	DATE	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	0	0	2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5
	SAMPLE BOTTOM DEPTH (FT)	1	1	3	6	15	15	20	30	40	50	60	70	1	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	470 J	19000 J	6900 J	--	--	--	--	--	--	--	--	49 J	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	39 J	5000 J	920 J	--	--	--	--	--	--	--	--	3.5 UJ	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	4 J	110 J	27 J	--	--	--	--	--	--	--	--	0.3 UJ	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	1.4 UJ	130 J	29 J	--	--	--	--	--	--	--	--	1.6 UJ	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	3 UJ	390 J	76 J	--	--	--	--	--	--	--	--	0.7 UJ	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	14 J	680 J	160 J	--	--	--	--	--	--	--	--	1.6 J	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	1.8 UJ	73 J	14 UJ	--	--	--	--	--	--	--	--	1.4 UJ	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	2.5 UJ	53 J	17 J	--	--	--	--	--	--	--	--	0.63 UJ	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.46 UJ	14 J	4 J	--	--	--	--	--	--	--	--	4.6 J	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	6.3 J	180 J	54 J	--	--	--	--	--	--	--	--	0.97 UJ	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.34 UJ	22 J	9.2 J	--	--	--	--	--	--	--	--	0.54 UJ	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	80 UJ	8900 UJ	2000 UJ	--	--	--	--	--	--	--	--	24 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.48 UJ	25 J	4.9 J	--	--	--	--	--	--	--	--	2.6 J	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.15 UJ	0.45 UJ	0.25 UJ	--	--	--	--	--	--	--	--	0.093 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.32 UJ	3 J	1.1 UJ	--	--	--	--	--	--	--	--	10 J	--	--	--
OCDD	ng/kg	--	3200 J	220000 J	82000 J	--	--	--	--	--	--	--	--	230 J	--	--	--
OCDF	ng/kg	--	100 J	30000 J	3200 J	--	--	--	--	--	--	--	--	5.5 UJ	--	--	--
TEQ Avian	ng/kg	--	8.1	680	160	--	--	--	--	--	--	--	--	15	--	--	--
TEQ Human	ng/kg	--	14	940	250	--	--	--	--	--	--	--	--	4.5	--	--	--
TEQ Mammals	ng/kg	--	14	940	250	--	--	--	--	--	--	--	--	4.5	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	7.7	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2 UJ	2 U	2 U
Arsenic	mg/kg	--	4.8	2.7	2.7	1.8	2.7	2.2	2.3	3.8	2	3.1	4.7	4.6	4.6	4.6	4.6
Barium	mg/kg	--	58	51	45	36	93 J	60	30	37	55	54	28	130	96 J	87	110
Beryllium	mg/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	1.2	2.1	0.74	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	16	0.7	0.41 U	0.41 U
Chromium, total	mg/kg	17	16	32	27	17	34 J	40	18	30	17	25	24	320	20	21	9.2
Cobalt	mg/kg	3.7	4.1	4.2	3.4	8	11	11	8	9.1	8.9	10	8.5	4.9	3.9	4.5	3.8
Copper	mg/kg	6.5	7.4	9	22	22	21 J	16	11	8.3	11	12	12	12	8.7	7.7	5.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	4.3	7	3.5	1.7	2	2.4	1.7	2	1.4	2	2.8	8.4	8.6	4.8	5.2
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Molybdenum	mg/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1.5	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.6	1 U	1 U	1 U
Nickel	mg/kg	6.5	9.1	7.2	6.8	15	25 J	19	14	21	12	20	22	9.6	8.7	8.3	6
Selenium	mg/kg	--	1 U	1 U	1.1 U	1 U	1.1 UJ	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2 U	2 U
Vanadium	mg/kg	--	20	16	15	34	41 J	35	30	36	31	41	41	18	18	20	16
Zinc	mg/kg	27	33	42	76	35	48 J	38	34	38	36	45	47	37	35 J	27	20
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077
	DATE	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		0	0	2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	15	15	20	30	40	50	60	70	1	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	45000	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	14000	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10000	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	260	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2400	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	4300	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
4,4-DDE	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
4,4-DDT	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Aldrin	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
alpha-BHC	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
beta-BHC	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
delta-BHC	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
Dieldrin	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Endrin	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
Heptachlor	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--
Methoxy chlor	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	--	--	--	--
Toxaphene	ug/kg	--	51 U	52 U	53 U	51 U	54 U	52 U	53 U	54 U	51 U	53 U	55 U	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	34 U	34 U	35 U	34 U	35 U	34 U	35 U	35 U	34 U	35 U	37 U	--	33 U	33 U	33 U
Aroclor 1232	ug/kg	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	30	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	30	17 U	17 U
Aroclor 1260	ug/kg	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Total PCBs	ug/kg	38.5	17 U	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	38.5	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U
Anthracene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	--	15	6.5	6.1 U	5.9 U	6.2 U	6 U	6.1 U	6.2 U	5.9 U	6.1 U	6.4 U	5.9 R	39	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	--	7.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	16	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	--	9.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	25	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	16	7.3	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	34	5.1 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077
	DATE	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	0	0	2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5
	SAMPLE BOTTOM DEPTH (FT)	1	1	3	6	15	15	20	30	40	50	60	70	1	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	8.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	25	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	6.8	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	27	5.1 U	5.1 U
Chrysene	ug/kg	--	11	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	36	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	6.6	5.1 U	5.1 U
Fluoranthene	ug/kg	42 J	15	8.4	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	53	5.1 U	5.1 U
Fluorene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	7.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	23	5.1 U	5.1 U
Naphthalene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	4.5 U	3.9 U
PAH High molecular weight	ug/kg	--	95.8	22.7	0	0	0	0	0	0	0	0	0	0 R	295	0	0
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	0	0	0 R	19	0	0
Phenanthrene	ug/kg	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	19	5.1 U	5.1 U
Pyrene	ug/kg	35 J	14	7	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	49	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077
	DATE	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		0	0	2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	15	15	20	30	40	50	60	70	1	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 UJ	10 UJ
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	0.97 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 UJ	10.5 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90 U	78 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 UJ	3.9 UJ
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077
	DATE	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		0	0	2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5
SAMPLE BOTTOM DEPTH (FT)		1	1	3	6	15	15	20	30	40	50	60	70	1	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		9.5	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	41	1.3 U	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	4.2 J	0.32 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.66 U	0.17 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.41 U	0.11 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.68 U	0.093 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	1.5 J	0.15 U	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.45 U	0.095 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	1.4 U	0.064 U	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.4 U	0.057 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	1.1 J	0.15 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.23 U	0.29 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	5.3 U	0.11 U	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.16 U	0.057 U	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.08 U	0.046 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.14 U	0.053 U	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	300	21 J	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	8.1 J	0.83 U	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	1.5	0.17	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	1.9	0.15	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	1.9	0.15	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	8	7.8	7.8	7.8	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	--	--	--	--	2 U	2.1 U	2 UJ	2 U	2 U	2 U	2 U
Arsenic	mg/kg	4.7	4.5	6.6	--	4.5	4.8	--	--	--	8.3	2.2	1.7	1.7	1 U	1 U	1.5
Barium	mg/kg	100	120	110	100	100	--	--	--	--	220	110	180	130	74	92	73
Beryllium	mg/kg	1 U	1 U	2 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	1.4	0.44	--	0.5	0.47	--	--	--	0.4 UJ	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	10	28	21	27	21	--	--	--	--	26	20	18 J	19	18	13	16 J
Cobalt	mg/kg	3.2	4.3	6.2	--	7.4	6.3	--	--	--	9.6	7.9	8	8.7	6.7	7.9	7.8
Copper	mg/kg	10	8.1	9.7	--	11	10	--	--	--	11	9.1	9.1	11	6.3	8.1	7.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.4	9.5	7.4	5.5	3.8	--	--	--	--	4.1	4.2	1.9	1.8	1	1	1.5
Mercury	mg/kg	0.1 UJ	0.1 UJ	0.1 UJ	--	0.11 UJ	0.1 UJ	--	--	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	2 U	--	1.1 U	1 U	--	--	--	7.1	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	6.3	8.7	13	--	15	13	--	--	--	18	15	12	13	13	8.5	12 J
Selenium	mg/kg	1 U	1 U	1 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	2 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	4.1 U	2 U	2.1 U	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	15	17	24	--	34	28	--	--	--	45	35	31	32	25	35	30
Zinc	mg/kg	19	39	35	--	37	39	--	--	--	61	38	36	36	28	34	35
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		9.5	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1221	ug/kg	34 U	33 U	34 U	--	35 U	34 U	33 U	33 U	33 U	33 U	34 U	33 U	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	17 U	40	17 U	--	18 U	30	140	190	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	17 U	17 U	17 U	--	18 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	17 U	--	18 U	17 U	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	48.5	17 U	--	18 U	38.5	149	199	17 U	17 U	17 U	17 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	100 U	50 U	50 U	50 U	--	--	--	--	--	--
Acenaphthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	--	--	--	--	--	--
Anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	5.9 U	36	5.9 U	--	6.2 U	17	340	56	6	6.1	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.1 U	14	5.1 U	--	5.4 U	13	120	20	5 U	5 U	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.1 U	23	5.1 U	--	5.4 U	11	240	40	5 U	5 U	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.1 U	29	5.1 U	--	5.4 U	16	300	55	5	5.4	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		9.5	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	24	5.1 U	--	5.4 U	7.7	170	26	5 U	5 U	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.1 U	26	5.1 U	--	5.4 U	12	10 U	5 U	5 U	5 U	--	--	--	--	--	--
Chrysene	ug/kg	5.1 U	31	5.1 U	--	5.4 U	20	200	31	5 U	5 U	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	6.7	5.1 U	5.1 U	5.4 U	--	42	6.4	5 U	5 U	--	--	--	--	--	--
Fluoranthene	ug/kg	5.1 U	44	5.1 U	--	5.4 U	38 J	300	40	5 U	5 U	--	--	--	--	--	--
Fluorene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	21	5.1 U	--	5.4 U	7.3	150	23	5 U	5 U	--	--	--	--	--	--
Naphthalene	ug/kg	4.3 U	5 U	4.5 U	4.7 U	4.7 U	--	100 U	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
PAH High molecular weight	ug/kg	0	261	0	--	0	156	1810	278	5	5.4	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	16	0	--	0	28	65	7.4	0	0	--	--	--	--	--	--
Phenanthrene	ug/kg	5.1 U	16	5.1 U	--	5.4 U	28 J	65	7.4	5 U	5 U	--	--	--	--	--	--
Pyrene	ug/kg	5.1 U	42	5.1 U	--	5.4 U	31 J	290	37	5 U	5 U	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	330 U	340 U	--	350 U	340 U	1300 U	660 U	660 U	660 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	660 U	670 U	670 U	710 U	--	1300 U	660 U	660 U	660 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	330 U	340 U	--	350 U	340 U	1300 U	660 U	660 U	660 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1800 U	1700 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1800 U	1700 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	660 U	670 U	670 U	710 U	--	1300 U	660 U	660 U	660 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		9.5	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Phenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 UJ	10 UJ	10 UJ	--	10 J	10 UJ	75	20	15	10 U	--	--	--	--	--	--
TPH as gasoline	mg/kg	0.97 U	--	1 U	0.84 U	1.1 UJ	--	--	1.7 U	1.6 U	1.7 U	--	--	--	--	--	--
TPH as motor oil	mg/kg	10 UJ	10 UJ	10 UJ	--	10 UJ	10 UJ	340	65	31	10 U	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 UJ	8.9 UJ	6.8 UJ	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1700 U	1600 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Acetone	ug/kg	43 U	--	45 U	47 U	--	--	--	95 U	89 U	68 U	--	--	--	--	--	--
Acrolein	ug/kg	86 U	--	91 U	93 U	94 U	--	--	190 U	180 U	140 U	--	--	--	--	--	--
Acrylonitrile	ug/kg	43 U	--	45 U	47 U	47 U	--	--	95 U	89 U	68 U	--	--	--	--	--	--
Benzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Bromobenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Bromochloromethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Bromodichloromethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Bromoform	ug/kg	4.3 UJ	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Bromomethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Carbon disulfide	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Chloro methane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Chlorobenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Chloroethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		9.5	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	6	0.5	3	6	9	0.5	3	6	10	15	20
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Chloroform	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Dibromomethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Ethyl- benzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	1300 U	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	43 U	--	45 U	47 U	47 U	--	--	95 U	89 U	68 U	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	43 U	--	45 U	47 U	47 U	--	--	95 U	89 U	68 U	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
N-Butylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
N-Propylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Styrene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Tetrachloroethene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Toluene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Trichloroethene	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Vinyl chloride	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Xylene, m,p-	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Xylene, o-	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--
Xylenes, total	ug/kg	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-2	AOC1-2	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	AOC1-2-164	AOC1-2-165	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	1/23/2016	1/23/2016	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		20	29	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	7.97	9.93	8.31	8.98	8.86	9.61	8.34	9.12	8.47	9.28	7.88	9.2	8.52	8.23
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 UJ	2 U	2 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	1.4	1.1	3.6	3.7	7	8.4	4.4	4.9	4.9	5.8	5.4	4.9	6	5.1	6.5	4.7
Barium	mg/kg	84	94	79	14	240	110	58	25	81	88	110 J	150	120	140	160	93
Beryllium	mg/kg	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.42 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.42 U	0.42 U	0.41 U	0.41 U	0.42 U	0.43 U	0.42 U	0.42 U
Chromium, total	mg/kg	13 J	15	13	4.9	22	17	13	15	26	26	28	25	25	23	27	22
Cobalt	mg/kg	7.6	7.8	3.4	1.6	7.8	6.7	6.6	6.9	14	9.6	8.4	9.3	8.7	8.4	9.4	7.8
Copper	mg/kg	8	7.6	5.6	2 U	12	8.6	9	7.8	18	14	13	11	9.6	13	12	9.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.3	1.2	8.3	2.4	3.8	3.9	3.1	3.5	4.5	4.9	7.1	4	4	5.7	6.4	3.9
Mercury	mg/kg	0.1 U	0.1 U	0.098 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	2 U	1 U	1	1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nickel	mg/kg	9.4 J	11	6.9	2.7	17	13	10	12	20	20	18	18	18	19	19	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	4.1 U	2.1 U	2 U	2 U	4.1 U	4.2 U	4 U	4.1 U	4.2 U	4.1 U	4.1 U	4.1 U
Vanadium	mg/kg	33	31	19	13	32	36	28	32	41	42	38	39	39	36	40	35
Zinc	mg/kg	36	31	26	9	51	42	39	44	57	58	77	51	50	49	57	45
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-2	AOC1-2	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	AOC1-2-164	AOC1-2-165	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	1/23/2016	1/23/2016	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		20	29	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	4500	--	--	--	--	--	--	--	12000	--	--	--	--	--
Calcium	mg/kg	--	--	10000 J	--	--	--	--	--	--	--	31000	--	--	--	--	--
Cyanide	mg/kg	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Iron	mg/kg	--	--	9900 J	--	--	--	--	--	--	--	23000	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	3000 J	--	--	--	--	--	--	--	8300	--	--	--	--	--
Manganese	mg/kg	--	--	130	--	--	--	--	--	--	--	290	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1300	--	--	--	--	--	--	--	2700	--	--	--	--	--
Sodium	mg/kg	--	--	210	--	--	--	--	--	--	--	340	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	--	--	51 U	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	33 U	33 UJ	--	--	--	--	--	--	33 U	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	31	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Total PCBs	ug/kg	--	--	31	8.5 U	--	--	--	--	--	--	8.5 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Acenaphthene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Anthracene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	--	--	19	5.8 U	5.9 U	6 U	5.9 U	5.9 U	6 U	6	5.9	6 U	6 U	16	61	6 U
Benzo (a) anthracene	ug/kg	--	--	7.3	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	8.1	30	5.2 U
Benzo (a) pyrene	ug/kg	--	--	13	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	11	39	5.2 U
Benzo (b) fluoranthene	ug/kg	--	--	14	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	9.9	45	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-2	AOC1-2	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	AOC1-2-164	AOC1-2-165	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	1/23/2016	1/23/2016	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		20	29	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	12	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	10	35	5.2 U
Benzo (k) fluoranthene	ug/kg	--	--	20 J	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	14	45	5.2 U
Chrysene	ug/kg	--	--	20	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	13	49	5.2 U
Dibenzo (a,h) anthracene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	11	5.2 U
Fluoranthene	ug/kg	--	--	29	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	6.5	5.7	5.2 U	5.2 U	16	61	5.2 U
Fluorene	ug/kg	--	--	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	11	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	9.3	32	5.2 U
Naphthalene	ug/kg	--	--	5 U	4.1 U	4.2 U	5.2 U	4.4 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	4.3 U	5 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	--	--	154	0	0	0	0	0	0	6.5	5.7	0	0	107	407	0
PAH Low molecular weight	ug/kg	--	--	9.4	0	0	0	0	0	0	0	0	0	0	0	14	0
Phenanthrene	ug/kg	--	--	9.4	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	14	5.2 U
Pyrene	ug/kg	--	--	28	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	16	60	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
2-Nitrophenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	1600 UJ	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	660 U	660 U	680 U	680 U	670 U	670 U	680 U	690 U	670 U	680 U	690 U	680 U	680 U	680 U
4-Chloroaniline	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
4-Nitrophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
Benzoic acid	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	660 U	660 U	680 U	680 U	670 U	670 U	680 U	690 U	670 U	680 U	690 U	680 U	680 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	330 UJ	--	--	--	--	--	--	--	330 UJ	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-2	AOC1-2	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	AOC1-2-164	AOC1-2-165	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	1/23/2016	1/23/2016	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		20	29	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
Phenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	1.1 U	1.1 U	0.97 U	1 UJ	0.84 U	1.2 U	160 U	--	1 U	1.2 U	1 U	--	0.98 U
TPH as motor oil	mg/kg	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22.5	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1-Dichloroethene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1-Dichloropropene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,1-Trichloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,2-Trichloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dibromoethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dichlorobenzene	ug/kg	--	--	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dichloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dichloropropane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,3-Trichloropropane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,3-Dichlorobenzene	ug/kg	--	--	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,3-Dichloropropane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,4-Dichlorobenzene	ug/kg	--	--	330 U	4.1 UJ	4.2 UJ	5.6 UJ	4.4 UJ	5.1 UJ	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
2-Hexanone	ug/kg	--	--	--	41 U	--	--	--	--	--	--	--	65 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
2,4,5-Trichlorophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Acetone	ug/kg	--	--	--	41 U	42 U	--	44 U	--	51 U	63 U	--	65 UJ	--	--	56 U	54 UJ
Acrolein	ug/kg	--	--	--	81 U	84 U	110 U	89 U	100 U	100 U	130 U	--	130 UJ	86 U	99 UJ	110 U	110 UJ
Acrylonitrile	ug/kg	--	--	--	41 U	42 U	56 U	44 U	51 U	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U
Benzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Bromobenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromochloromethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromodichloromethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromoform	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromomethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Carbon disulfide	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Carbon tetrachloride	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chloro methane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chlorobenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chloroethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-2	AOC1-2	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	AOC1-2-164	AOC1-2-165	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	1/23/2016	1/23/2016	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		20	29	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	30	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Cyclohexane	ug/kg	--	--	--	4.1 U	--	--	--	--	--	--	--	6.5 U	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Dibromomethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Dichlorodifluoromethane	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Ethyl- benzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Hexachlorobutadiene	ug/kg	--	--	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	--	--	670 U	--	--	--	--	--
Isophorone	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Methyl acetate	ug/kg	--	--	--	4.1 U	--	--	--	--	--	--	--	6.5 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	41 U	42 U	56 U	44 U	51 U	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U
Methyl isobutyl ketone	ug/kg	--	--	--	41 U	42 U	56 U	44 U	51 U	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Methylcyclohexane	ug/kg	--	--	--	4.1 U	--	--	--	--	--	--	--	6.5 U	--	--	--	--
Methylene chloride	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
N-Butylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
N-Propylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Nitrobenzene	ug/kg	--	--	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
sec-Butylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Styrene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
tert-Butylbenzene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Tetrachloroethene	ug/kg	--	--	--	4.1 UJ	4.2 UJ	5.6 UJ	4.4 UJ	5.1 UJ	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Toluene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Trichloroethene	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Vinyl chloride	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Xylene, m,p-	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Xylene, o-	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Xylenes, total	ug/kg	--	--	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	6200 J	3600	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	670 J	300	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	62 J	31	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	40 U	18 U	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	35 U	15 U	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	230 J	120	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	35 U	26	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	37 J	15	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	3.4 U	10 U	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	140 J	76	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	47 U	3.3 U	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	3100 U	1700 U	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	15 J	11 U	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.47 U	0.33 U	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	3.4 U	0.95 U	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	45000 J	33000 J	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	730 J	480	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	250	130	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	330	180	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	330	180	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.25	--	9.25	7.76	9	9.5	10	8.6	8.5	8.8	9.9	10	9.8	9.9	9.9	9.9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	5	--	4.2	4.8	3	2.4	1.2	1.3	1.8	1.5	1.3	2.7	2.8	4	2.2	2.4
Barium	mg/kg	--	150	67	84	100	110	130	97	110	120	66	40	42	42	64	86
Beryllium	mg/kg	--	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1 U	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	--	0.42 U	0.42 U	14	3.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	23	--	19	21	410	210	24	13	--	19	15	22	23	39	20	17
Cobalt	mg/kg	--	7.7	7.2	7.5	7.9	8.6	8.6	7.5	--	9.5	7.5	9.7	11	10	8.9	7.1
Copper	mg/kg	--	12	10	10	13	11	14	7.7	10	11	11	10	14	14	19	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.8	--	3.4	3.9	3.7	3.3	1.5	1.4	1.4	1.6	2.2	1.7	2.3	2.2	1.5	1.3
Mercury	mg/kg	--	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Molybdenum	mg/kg	--	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Nickel	mg/kg	--	17	16	16	14	14	12	8.9	--	14	11	18	19	23	15	13
Selenium	mg/kg	1 U	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Silver	mg/kg	--	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Thallium	mg/kg	--	4.2 U	2.1 U	4.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	36	--	33	34	37	36	37	33	38	42	34	35	45	45	35	29
Zinc	mg/kg	50	--	50	45	90	60	39	32	--	38	34	39	42	42	38	31
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	34 U	34 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Acenaphthene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Anthracene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
B(a)P Equivalent	ug/kg	6 U	--	6.2 U	6 U	5.9 U	5.9 U	5.8 U	5.8 U	5.9 U	5.8 U	5.9 U	6.2 U	6.1 U	6.1 U	6.1 U	6 U
Benzo (a) anthracene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Benzo (a) pyrene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Chrysene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Fluoranthene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Fluorene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Naphthalene	ug/kg	4.8 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
PAH High molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Pyrene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	690 U	--	710 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1800 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1800 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	690 U	--	710 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	1100	--	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	0.82 U	0.9 U	0.86 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	120 J	--	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	48 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	48 UJ	--	--	54 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	96 UJ	--	120 UJ	110 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	48 U	--	59 U	54 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	20	30	40	50	60	70	80
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Chloroform	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	48 U	--	59 U	54 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	48 U	--	59 U	54 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	350 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	4.8 U	--	5.9 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10
	SAMPLE	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051
	DATE	1/25/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	0	2	5	9	14	19	29	19	0	2	5	9	14	0	2
SAMPLE BOTTOM DEPTH (FT)		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
	SAMPLE TYPE	Field Duplicate								Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	9.2	9.2	9.7	9.6	9.5	9.7	8.9	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	--	1.9	2	1.8	1.8	1.8	1.6	2.5	--	4.8	4.8	2.2	2.3	2.7	3.6	2.9
Barium	mg/kg	--	82	110	84	90	95	--	1400	110 J	190 J	220	180	160	140	69	65
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21 U	--	0.84	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.4 U
Chromium, total	mg/kg	19	13	19	14	14	35	--	16	21	25	25	27	17	18	10	11
Cobalt	mg/kg	8.3	6.7	7.7	6.8	7	7.6	--	8.1	9.9	7.2	8.4	8.5	7.4	8.6	2.4	2.4
Copper	mg/kg	--	7	8.7	10	9.3	9.1	--	7.9	11	11	8.5	9.5	8.2	12	3.5	3.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	1.9	3	2.9	2.2	2	--	2.2	1.3	18	8.7	2.3	2.7	2.1	3.5	2.9
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	--	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	2 U	2 U	1.6	1 U	1 U	1 U	1 U
Nickel	mg/kg	13	9	13	9.5	11	14	--	14	15	11	11	12	11	11	4.2	3.9
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	4 U	4.1 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	--	26	32	30	31	33	--	32	39	30	36	34	31	29	13	11
Zinc	mg/kg	43	35	30	31	33	35	--	39	43 J	70	47	38	34	34	14	14
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10
	SAMPLE	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051
	DATE	1/25/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	0	2	5	9	14	19	29	19	0	2	5	9	14	0	2
SAMPLE BOTTOM DEPTH (FT)		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
	SAMPLE TYPE	Field Duplicate								Field Duplicate							
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	8700	--	--	--	--	3000	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	48000	--	--	--	--	11000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	20000	--	--	--	--	6800	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	8500	--	--	--	--	2600	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	270	--	--	--	--	120	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	2700	--	--	--	--	690	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	850	--	--	--	--	210	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	--	--	--	--	5 U	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	51 U	--	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1221	ug/kg	--	34 U	33 U	--	--	--	--	--	--	33 U	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	--	17 U	17 U	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1242	ug/kg	--	17 U	17 U	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1248	ug/kg	--	17 U	17 U	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1254	ug/kg	--	17 U	17 U	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1260	ug/kg	--	17 U	17 U	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--
Total PCBs	ug/kg	--	17 U	17 U	--	--	--	--	--	--	8.5 U	--	--	--	--	8.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Acenaphthene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Acenaphthylene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Anthracene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
B(a)P Equivalent	ug/kg	--	6.6	5.9 U	58 U	5.8 U	5.8 U	5.8 U	6.1 U	--	11	5.9 U	5.9 U	5.8 U	5.9 U	5.8 U	5.8 U
Benzo (a) anthracene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.8	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Benzo (a) pyrene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	6.1	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Benzo (b) fluoranthene	ug/kg	--	9.9	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	8.2	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10
	SAMPLE	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051
	DATE	1/25/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	0	2	5	9	14	19	29	19	0	2	5	9	14	0	2
SAMPLE BOTTOM DEPTH (FT)		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
	SAMPLE TYPE	Field Duplicate								Field Duplicate							
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	10	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Benzo (k) fluoranthene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	8.1	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Chrysene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	9.6	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Fluoranthene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	9.2	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Fluorene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.3	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Naphthalene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	4.7 U
PAH High molecular weight	ug/kg	--	9.9	0	0	0	0	0	0	--	71.7	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0
Phenanthrene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Pyrene	ug/kg	--	5.1 U	5.1 U	50 U	5 U	5 U	5 U	5.3 U	--	9.4	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	700 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	700 UJ	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	700 U	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	670 U	680 U	670 U	660 U	670 U	660 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	700 UJ	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	700 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	700 UJ	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	670 U	680 U	670 U	660 U	670 U	660 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	330 UJ	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10
	SAMPLE	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051
	DATE	1/25/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	0	2	5	9	14	19	29	19	0	2	5	9	14	0	2
SAMPLE BOTTOM DEPTH (FT)		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
	SAMPLE TYPE	Field Duplicate								Field Duplicate							
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	1 U	1.2 U	1.3 U	1.3 U	--	0.99 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	30.8 J	13.5	28.6	10 U	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	67 U	--	--	--	--	47 U
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	66 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	130 U	130 U	200 U	130 UJ	--	94 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	67 U	66 U	100 U	64 U	--	47 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 UJ
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10
	SAMPLE	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051
	DATE	1/25/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	0	2	5	9	14	19	29	19	0	2	5	9	14	0	2
SAMPLE BOTTOM DEPTH (FT)		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	0.5	3	6	10	15	20	30	20	0.5	3	6	10	15	0.5	3
	SAMPLE TYPE	Field Duplicate								Field Duplicate							
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	--	--	--	--	4.7 U
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	670 U	--	--	--	--	660 U	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	--	--	--	--	4.7 U
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	67 U	66 U	100 U	64 U	--	47 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	67 U	66 U	100 U	64 U	--	47 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	--	--	--	--	4.7 U
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	340 U	330 U	330 U	340 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E
	SAMPLE	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		5	9	14	5	5	9	14	5	9	14	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	6	6	10	15	6	10	15	6	10	15	15	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	6	6	10	15	6	10	15	6	10	15	15	0.5	3
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160 J	510
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 J	0.44 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 U	2.7 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.1 J	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.81 U	0.43 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.22 U	0.9 J
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.47 U	0.3 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	3.5 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2 U	0.52 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.64 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.16 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.21 U	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2200	5900
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27	94
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	7.4
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	14
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	14
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.1	8.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U
Arsenic	mg/kg	3.3	5	7.1	--	5.5	2.4	4	3.2	2.3	3.2	3.3	1.9	3.2	--	3.2	3.3
Barium	mg/kg	110	81	110	--	140	140	80	190	150	140	130	140	110	--	140	--
Beryllium	mg/kg	1 U	1 U	4 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.41 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	--	0.27	--
Chromium, total	mg/kg	12	11	9.8	--	15	18	20	27	17	20	22	16	16	--	16	30
Cobalt	mg/kg	2.9	4.5	4 U	--	5.9	8.4	8.5	7.5	7.4	7.7	5.8	7.7	--	7.5	7.2	8.5
Copper	mg/kg	4.6	7.1	8.1 U	--	7.3	13	9	8.4	7.7	9.8	11	7.2	--	13	11	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.4	5.9	2.6	--	4.2	2	3	3.2	3	2.8	3.6	2.1	--	2.4	7.2	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	4 U	--	1	1 U	1 U	2.4	1 U	1.2	2	1 U	1 U	--	1 U	1 U
Nickel	mg/kg	5.2	8.7	4.6	--	9.9	12	14	9.8	11	13	9	10	11	--	10	17
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1.5	1.2	1 U	1 U	1.6	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	4 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	2 U	2.2	8.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1
Vanadium	mg/kg	14	21	13	--	28	34	35	29	29	29	21	28	29	--	27	--
Zinc	mg/kg	17	28	13	--	28	37	39	36	37	35	30	34	33	--	44	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E
	SAMPLE	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		5	9	14	5	5	9	14	5	9	14	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	6	6	10	15	6	10	15	6	10	15	15	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	6	6	10	15	6	10	15	6	10	15	15	0.5	3
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51 U	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	22	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	5.9 U	--	5.9 U	5.9 U	5.9 U	130	5.9 U	5.8 U	5.8 U	5.9 U	5.9 U	--	14	5.9 U
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	180	5.1 U	5 U	5 U	5.1 U	5.1 U	--	10	5.1 U
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	84	5.1 U	5 U	5 U	5.1 U	5.1 U	--	7.8	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	110	5.1 U	5 U	5 U	5.1 U	5.1 U	--	15	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E
	SAMPLE	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		5	9	14	5	5	9	14	5	9	14	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	6	6	10	15	6	10	15	6	10	15	15	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	6	6	10	15	6	10	15	6	10	15	15	0.5	3
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	40	5.1 U	5 U	5 U	5.1 U	5.1 U	--	8.1	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	82	5.1 U	5 U	5 U	5.1 U	5.1 U	--	6.4	5.1 U
Chrysene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	210	5.1 U	5 U	5 U	5.1 U	5.1 U	--	8.8	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	17	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Fluoranthene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	350	5.1 U	5 U	5 U	5.1 U	5.1 U	--	13	5.1 U
Fluorene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	39	5.1 U	5 U	5 U	5.1 U	5.1 U	--	6.1	5.1 U
Naphthalene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.1 U	5.1 U	4.8 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	--	0	0	0	1420	0	0	0	0	0	--	89.2	0
PAH Low molecular weight	ug/kg	0	0	0	--	0	0	0	142	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	120	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Pyrene	ug/kg	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	310	5.1 U	5 U	5 U	5.1 U	5.1 U	--	14	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	--	670 U	670 U	680 U	670 U	670 U	660 U	670 U	670 U	670 U	--	670 U	670 U
4-Chloroaniline	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 UJ	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	670 U	--	670 U	670 U	680 U	670 U	670 U	660 U	670 U	670 U	670 U	--	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E
	SAMPLE	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		5	9	14	5	5	9	14	5	9	14	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	6	6	10	15	6	10	15	6	10	15	15	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	6	6	10	15	6	10	15	6	10	15	15	0.5	3
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 UJ	--	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	0.86 U	1.1 U	0.8 U	--	0.95 U	0.83 U	1.2 U	1.4 U	1.1 U	0.87 U	1.4 U	1.3 U	--	0.92 U	--	1.1 U
TPH as motor oil	mg/kg	--	10 U	10 UJ	23.3	23	10 U	10 UJ	33	10 U	10 U	28	10 U	10 U	--	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1-Dichloroethene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1-Dichloropropene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1,1-Trichloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1,1,2-Tetrachloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1,2-Trichloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,1,2,2-Tetrachloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2-Dibromo-3-chloropropane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2-Dibromoethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2-Dichlorobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U
1,2-Dichloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2-Dichloropropane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2,3-Trichlorobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2,3-Trichloropropane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,2,4-Trichlorobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U
1,2,4-Trimethylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,3-Dichlorobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U
1,3-Dichloropropane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,3,5-Trimethylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
1,4-Dichlorobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	330 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
4-Isopropyltoluene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Acetone	ug/kg	44 U	46 U	48 U	--	44 U	46 U	56 U	--	--	--	--	--	--	--	--	51 U
Acrolein	ug/kg	88 U	92 U	95 U	--	88 U	91 U	110 U	140 U	97 U	100 UJ	140 U	200 U	120 UJ	--	--	100 U
Acrylonitrile	ug/kg	44 U	46 U	48 U	--	44 U	46 U	56 U	72 U	48 U	52 U	68 U	99 U	58 U	--	--	51 U
Benzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Bromobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Bromochloromethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Bromodichloromethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Bromoform	ug/kg	4.4 UJ	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Bromomethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Carbon disulfide	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Carbon tetrachloride	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Chloro methane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Chlorobenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Chloroethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E
	SAMPLE	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		5	9	14	5	5	9	14	5	9	14	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	6	6	10	15	6	10	15	6	10	15	15	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	6	6	10	15	6	10	15	6	10	15	15	0.5	3
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
cis-1,2-Dichloroethene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
cis-1,3-Dichloropropene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Dibromomethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Dichlorodifluoromethane	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Ethyl- benzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Hexachlorobutadiene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	670 U	5.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
Isopropylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	44 U	46 U	48 U	--	44 U	46 U	56 U	72 U	48 U	52 U	68 U	99 U	58 U	--	--	51 U
Methyl isobutyl ketone	ug/kg	44 U	46 U	48 U	--	44 U	46 U	56 U	72 U	48 U	52 U	68 U	99 U	58 U	--	--	51 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
N-Butylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
N-Propylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Nitrobenzene	ug/kg	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U
p-Chlorotoluene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
sec-Butylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Styrene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
tert-Butylbenzene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Tetrachloroethene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Toluene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
trans-1,2-Dichloroethene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
trans-1,3-Dichloropropene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Trichloroethene	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Vinyl chloride	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Xylene, m,p-	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Xylene, o-	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U
Xylenes, total	ug/kg	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E
	SAMPLE	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135
	DATE	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016
SAMPLE TOP DEPTH (FT)		5	6	9	2	0	2	5	6	9	0	2	5	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		5.5	7	10	3	1	3	5.5	7	10	1	3	6	8	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	7	10	3	0.5	3	5.5	7	10	0.5	3	6	8	0.5	3	6
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	800	72	240	--	84	15	3700	490	260	94	180	140	16	220	140	26
1,2,3,4,6,7,8-HpCDF	ng/kg	140	9.1 J	23	35	9.3 J	3 J	1700	150	12 J	16	28	19	1.8 J	0.099 U	0.15 U	1.6 J
1,2,3,4,7,8-HxCDD	ng/kg	4.2 J	0.29 U	0.7 U	0.72 U	0.74 U	0.37 U	130	6.2 J	0.59 J	0.52 U	1.1 U	0.57 U	0.12 U	1.1 J	0.42 U	0.13 U
1,2,3,4,7,8-HxCDF	ng/kg	4 U	0.43 U	0.21 U	--	0.12 U	0.37 J	350 U	16	0.59 U	0.13 U	0.21 U	0.11 U	0.27 U	0.32 U	0.36 U	0.25 J
1,2,3,4,7,8,9-HpCDF	ng/kg	12 J	0.74 U	1.8 U	--	0.87 J	0.22 U	140	8.1 J	1.5 J	1.4 J	1.4 U	1.5 J	0.18 U	1.9 J	0.76 U	0.27 U
1,2,3,6,7,8-HxCDD	ng/kg	22	1.5 J	4.6 J	9.1 J	3 J	0.37 U	260	16	2.8 J	3.1 J	5.1 J	3.9 J	0.44 J	5.8 J	2.5 J	0.69 U
1,2,3,6,7,8-HxCDF	ng/kg	3.9 U	0.42 U	0.58 J	--	0.38 U	0.19 U	380	16	0.58 U	0.5 U	0.59 U	0.37 U	0.13 U	5.6 U	0.35 U	0.082 U
1,2,3,7,8-PeCDD	ng/kg	2.1 J	0.16 J	0.42 U	--	0.51 J	0.13 U	110 U	5.6 U	0.44 U	0.34 U	0.76 U	0.49 U	0.12 U	0.55 J	0.12 U	0.067 U
1,2,3,7,8-PeCDF	ng/kg	0.34 U	0.63 U	0.19 U	--	0.31 U	0.093 U	210	9.8 J	0.51 U	1.7 U	0.22 U	0.45 U	0.062 U	0.32 U	0.21 U	0.051 U
1,2,3,7,8,9-HxCDD	ng/kg	9.3 J	0.69 J	1.9 J	--	1.6 U	0.16 U	220	9.6 J	1.2 J	1.1 U	2 J	2.1 J	0.14 U	2.4 J	1.3 J	0.44 J
1,2,3,7,8,9-HxCDF	ng/kg	4.6 U	0.5 U	0.24 U	--	0.14 U	0.22 U	83	4.3 J	0.69 U	0.35 U	0.25 U	0.29 U	0.15 U	0.38 U	0.42 U	0.061 U
2,3,4,6,7,8-HxCDF	ng/kg	260 U	15 U	38 U	82 U	22 U	12 U	640	19	26 U	20 U	44 U	26 U	3.6 U	66 U	27 U	15 U
2,3,4,7,8-PeCDF	ng/kg	1.3 U	0.66 U	0.2 U	0.39 J	0.35 U	0.19 U	490	18	0.76 U	0.14 U	0.23 U	0.33 U	0.11 U	0.29 U	0.17 U	0.054 U
2,3,7,8-TCDD	ng/kg	0.13 U	0.071 U	0.049 U	0.12 U	0.18 J	0.031 U	20	1.4 J	0.13 U	0.055 U	0.14 U	0.15 U	0.039 U	0.022 U	0.099 U	0.022 U
2,3,7,8-TCDF	ng/kg	0.15 U	0.14 U	0.16 U	0.18 U	0.24 U	0.2 J	17 U	0.22 U	0.44 J	0.3 U	0.17 U	0.4 U	0.11 J	0.24 U	0.25 U	0.16 U
OCDD	ng/kg	8300	880	3300	--	880	150	16000	4900	3300	740	1500	1500	140	2500	1400	270
OCDF	ng/kg	380	34	64	--	21 J	8.2 J	740	120	62	49	98	57	4.5 J	53	20 J	5 J
TEQ Avian	ng/kg	21	1.8	3.5	--	2.5	1.1	780	33	3.4	2	3.8	2.8	0.52	5.3	2.2	1.1
TEQ Human	ng/kg	32	2.5	6.6	--	3.5	1.1	480	27	6	3	6.1	4.4	0.59	8.2	3.8	1.3
TEQ Mammals	ng/kg	32	2.5	6.6	--	3.5	1.1	480	27	6	3	6.1	4.4	0.59	8.2	3.8	1.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.6	8.4	8.4	--	9.2	8.3	8.7	8.3	8.2	9	8.9	9.4	8.7	8.7	8.3	8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U
Arsenic	mg/kg	2.6	3.2	3.4	--	2.5	2	5.9	3.4	2.5	4	3	2.9	3.9	2	2.3	1.7
Barium	mg/kg	98	77	110	87 J	150	120	160	160	95	140	190	170	150	120	150	110
Beryllium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1.4	1 U	1.9	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.8	0.2 U	0.2 U	0.35	0.33	0.2 U	6.7	2.7	0.66	0.2 U	0.21	0.2 U	0.2 U	0.26	0.21 U	0.22
Chromium, total	mg/kg	27	19	20	--	16	13	420	65	15	14	16	11	16	20	12	12
Cobalt	mg/kg	7.8	8.3	7.4	--	7.2	7.1	7.3	7.7	7	7.8	6.5	6.3	6.9	7.6	7.1	5.7
Copper	mg/kg	9.8	9.9	8	--	12	12	170	80	9.7	11	12	9.7	8.9	9.6	9	6.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.1	2.1	2.6	3.5	15	3.4	160	70	2.6	2.2	4.6	3.1	2.5	5.9	3	3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.22	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	--	1 U	1 U	4.5	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	11	13	11	--	11	8.9	27	16	10	12	9.9	8.9	12	12	8.6	7.6
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.2	2.1 U	2.6	--	2 U	2 U	2.1 U	2 U	2 U	2 U	2.3	2.2	2.2	2 U	2.1 U	2 U
Vanadium	mg/kg	29	33	29	34	30	30	58	27	29	29	26	24	30	32	31	23
Zinc	mg/kg	38	38	39	43	65	32	310	260	34	36	40	34	33	62	33	30
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E
	SAMPLE	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135
	DATE	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016
SAMPLE TOP DEPTH (FT)		5	6	9	2	0	2	5	6	9	0	2	5	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		5.5	7	10	3	1	3	5.5	7	10	1	3	6	8	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	7	10	3	0.5	3	5.5	7	10	0.5	3	6	8	0.5	3	6
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U
4,4-DDE	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U
4,4-DDT	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ
Aldrin	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U
Endosulfan sulfate	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ
Endrin	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ
Endrin aldehyde	ug/kg	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 UJ
Toxaphene	ug/kg	51 U	51 U	51 U	--	51 U	51 U	52 U	51 U	51 U	51 U	51 U	50 U	51 U	51 U	52 U	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	34 U	34 U	--	34 U	34 U	34 U	34 U	33 U	34 U	33 U	33 U	33 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	--	17 U	17 U	52	33	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	--	8.5 U	8.5 U	52	33	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	6.1	6 U	5.9 U	--	740	5.9 U	6 U	5.9	5.9 U	5.9 U	5.9 U	8.2 U	8.2 U	58	17	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	--	1000	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	51 U	15	17	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	--	550	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	10	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1	5.2 U	5.1 U	--	840	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	17	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E
	SAMPLE	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135
	DATE	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016
SAMPLE TOP DEPTH (FT)		5	6	9	2	0	2	5	6	9	0	2	5	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		5.5	7	10	3	1	3	5.5	7	10	1	3	6	8	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	7	10	3	0.5	3	5.5	7	10	0.5	3	6	8	0.5	3	6
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.1 U	--	9.6	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	8.3	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	--	360	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	12 J	5.1 U
Chrysene	ug/kg	5.1 U	5.2 U	5.1 U	--	1100	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	51 U	15	15	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	5.2 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	--	2100	5.1 U	5.2 U	390	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	22	38	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	--	8.2	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	6.2	5.1 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	--	4.6 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	5.1	0	0	--	8070	0	0	390	0	0	0	0	0	72	157	0
PAH Low molecular weight	ug/kg	0	0	0	--	380	0	0	0	0	0	0	0	0	0	7.3	0
Phenanthrene	ug/kg	5.1 U	5.2 U	5.1 U	--	380	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	7.3	5.1 U
Pyrene	ug/kg	5.1 U	5.2 U	5.1 U	--	2100	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	20	33	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	680 U	670 U	--	670 U	680 U	6900 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	670 U	--	670 U	680 U	690 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U
4-Chloroaniline	ug/kg	670 U	680 U	670 U	--	670 U	680 U	690 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	680 U	670 U	--	670 U	680 U	690 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	--	340 U	340 U	3400 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	--	340 U	340 U	3400 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	3300 U	3300 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E
	SAMPLE	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135
	DATE	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016
SAMPLE TOP DEPTH (FT)		5	6	9	2	0	2	5	6	9	0	2	5	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		5.5	7	10	3	1	3	5.5	7	10	1	3	6	8	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	7	10	3	0.5	3	5.5	7	10	0.5	3	6	8	0.5	3	6
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	10 U	10 U	53	29	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.2 U	1.2 U	1.1 U	--	--	1.1 U	1.6 U	1.5 U	1.3 U	--	1.2 U	1.1 UJ	1.1 U	--	1.2 U	1.3 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	--	19	10 U	460	240	10 U	10 U	10 U	10 U	10 U	10 U	13	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1-Dichloroethene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1-Dichloropropene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1,1-Trichloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1,1,2-Tetrachloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1,2-Trichloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,1,2,2-Tetrachloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2-Dibromo-3-chloropropane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2-Dibromoethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2-Dichlorobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2-Dichloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2-Dichloropropane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2,3-Trichlorobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2,3-Trichloropropane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2,4-Trichlorobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,2,4-Trimethylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,3-Dichlorobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,3-Dichloropropane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,3,5-Trimethylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,4-Dichlorobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
2,4,5-Trichlorophenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Acetone	ug/kg	58 U	59 U	62 U	--	46 UJ	60 UJ	76 UJ	67 UJ	63 UJ	66 U	53 U	56 U	60 U	70 U	62 U	56 U
Acrolein	ug/kg	120 U	120 U	120 U	--	93 U	120 U	150 U	130 U	130 U	130 U	110 U	110 U	120 U	140 U	120 U	110 U
Acrylonitrile	ug/kg	58 U	59 U	62 U	--	46 U	60 U	76 U	67 U	63 U	66 U	53 U	56 U	60 U	70 U	62 U	56 U
Benzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Bromobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Bromochloromethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Bromodichloromethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Bromoform	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Bromomethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Carbon disulfide	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Carbon tetrachloride	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Chloro methane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Chlorobenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Chloroethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E
	SAMPLE	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135
	DATE	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016
SAMPLE TOP DEPTH (FT)		5	6	9	2	0	2	5	6	9	0	2	5	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		5.5	7	10	3	1	3	5.5	7	10	1	3	6	8	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	7	10	3	0.5	3	5.5	7	10	0.5	3	6	8	0.5	3	6
SAMPLE TYPE					Field Duplicate												
ANALYTE	UNITS																
Chloroform	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
cis-1,2-Dichloroethene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
cis-1,3-Dichloropropene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Dibromomethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Dichlorodifluoromethane	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Ethyl- benzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Hexachlorobutadiene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	58 U	59 U	62 U	--	46 UJ	60 UJ	76 UJ	67 UJ	63 UJ	66 U	53 U	56 U	60 U	70 U	62 U	56 U
Methyl isobutyl ketone	ug/kg	58 U	59 U	62 U	--	46 U	60 U	76 U	67 U	63 U	66 U	53 U	56 U	60 U	70 U	62 U	56 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
N-Butylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
N-Propylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Nitrobenzene	ug/kg	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
sec-Butylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Styrene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
tert-Butylbenzene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Tetrachloroethene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Toluene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
trans-1,2-Dichloroethene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
trans-1,3-Dichloropropene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Trichloroethene	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Vinyl chloride	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Xylene, m,p-	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Xylene, o-	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U
Xylenes, total	ug/kg	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18
	SAMPLE	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124
	DATE	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	7	9	9	9	0	1	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	10	1	3	6	8	10	10	10	1	2	3	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	8	10	10	10	0.5	2	3	6	10	0.5	3	6
	SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	3.8 J	5.6 J	230	44	62	0.45 U	--	0.23 J	14	35	14	0.44 U	1.1 U	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.29 J	0.9 J	27	8.1 U	19	--	0.059 U	0.088 J	1.7 J	3.2 J	1 U	0.16 U	0.16 U	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.047 U	0.06 U	4.5 U	0.6 U	1.3 J	0.066 U	--	0.02 U	0.18 U	0.43 U	0.15 U	0.029 U	0.039 U	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.053 U	0.044 U	5 U	0.38 U	0.48 U	--	0.075 U	0.026 U	0.16 U	0.14 U	0.063 U	0.049 U	0.047 U	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.12 U	0.11 U	2.6 U	0.34 U	0.98 U	--	0.07 U	0.062 U	0.13 U	0.3 U	0.16 U	0.071 U	0.19 U	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.03 U	0.13 U	4.5 U	0.43 U	2 J	--	0.051 U	0.02 U	0.47 U	1 U	0.39 U	0.03 U	0.043 U	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.053 U	0.043 U	4.9 U	0.73 U	0.94 U	--	0.073 U	0.032 U	0.15 U	0.12 U	0.062 U	0.058 U	0.046 U	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.02 U	0.044 U	3 U	0.22 U	0.39 U	--	0.029 U	0.066 U	0.083 U	0.24 U	0.065 U	0.029 U	0.021 U	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.068 U	0.054 U	1.4 U	0.23 U	0.19 U	--	0.042 U	0.034 U	0.11 U	0.12 U	0.083 U	0.059 U	0.11 U	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.074 U	0.16 J	4.3 U	0.41 U	0.83 U	0.064 U	--	0.019 U	0.39 U	0.78 J	0.42 U	0.028 U	0.038 U	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.037 U	0.051 U	5.9 U	0.52 U	0.56 U	--	0.087 U	0.053 U	0.18 U	0.046 U	0.11 U	0.055 U	0.055 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.71 U	1 U	21 U	5.5 U	10 U	--	0.28 U	0.23 U	1.7 U	3.4 U	1.3 U	0.041 U	0.31 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.053 U	0.056 U	1.5 U	0.25 U	0.41 U	--	0.044 U	0.036 U	0.11 U	0.12 U	0.088 U	0.062 U	0.12 U	--	--	--
2,3,7,8-TCDD	ng/kg	0.013 U	0.024 U	1.5 U	0.13 U	0.1 U	--	0.018 U	0.018 U	0.049 U	0.049 U	0.087 U	0.086 U	0.037 U	--	--	--
2,3,7,8-TCDF	ng/kg	0.087 U	0.16 J	1.2 U	0.35 U	0.3 U	--	0.046 U	0.07 U	0.073 U	0.043 U	0.11 U	0.19 U	0.2 J	--	--	--
OCDD	ng/kg	30	52	1800	370	650	--	4.7 J	1.9 J	110	270	120	2 J	6.1 J	--	--	--
OCDF	ng/kg	0.92 U	2.2 J	42 U	9.8 J	17 J	--	0.18 U	0.15 U	2.9 J	6.3 J	2.4 J	0.089 U	0.28 U	--	--	--
TEQ Avian	ng/kg	0.15	0.32	6.6	1	1.7	0.17	--	0.12	0.34	0.61	0.31	0.2	0.32	--	--	--
TEQ Human	ng/kg	0.13	0.22	8.2	1.3	2.3	0.11	--	0.075	0.44	0.97	0.4	0.096	0.11	--	--	--
TEQ Mammals	ng/kg	0.13	0.22	8.2	1.3	2.3	0.11	--	0.075	0.44	0.97	0.4	0.096	0.11	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.3	8.4	8.5	8.8	8.5	--	8.6	8.5	8.8	8	8.7	8.2	7.8	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 UJ	3.3	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U
Arsenic	mg/kg	1.3	2.1	19	4.3	2.8	1.4	--	1.4	2.6	3.4	2.7	3.1	4.1	4	3.8	4.5
Barium	mg/kg	97	140 J	100	130	140	110	--	92	66	90	130	180	110	250	280	86
Beryllium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	4.2	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.2 U	20	3	0.96	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U
Chromium, total	mg/kg	15	13	360	50	23	13	--	11	9	12	13	12	12	14	13	13
Cobalt	mg/kg	7	6.2	11	7.7	7.6	7.5	--	6.4	3.3	4.8	6.4	5	6.2	7.1	7.8	8
Copper	mg/kg	9	7.3	1300	100	35	8.7	--	7.8	4.7	9.2	7.7	10	8.6	13	12	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.6	2.7	110	28	14	2.3	--	2.7	3.9	8.5	3.7	3.4	2.6	14	3.5	4.4
Mercury	mg/kg	0.1 U	0.41	180	72	17	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	63	14	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3
Nickel	mg/kg	10	8.4	170	17	11	9	--	9.1	5	7.9	8	7.3	8	9.6	9.5	12
Selenium	mg/kg	1 U	1 UJ	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 UJ	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U
Vanadium	mg/kg	27	27 J	26	30	31	32	--	27	17	18	27	24	33	30	30	33
Zinc	mg/kg	31	27	110	61	45	31	--	31	21	26	29	24	29	41	34	36
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18
	SAMPLE	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124
	DATE	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	7	9	9	9	0	1	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	8	10	10	10	1	2	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	8	10	10	10	0.5	2	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate									
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
4,4-DDE	ug/kg	2.1 U	2 U	2.1 U	2.6	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
4,4-DDT	ug/kg	2.1 UJ	2 UJ	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Dieldrin	ug/kg	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Endo sulfan II	ug/kg	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Endosulfan sulfate	ug/kg	2.1 UJ	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Endrin	ug/kg	2.1 UJ	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Heptachlor	ug/kg	1 UJ	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Methoxy chlor	ug/kg	5.2 UJ	5.1 UJ	5.1 U	5.5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--
Toxaphene	ug/kg	52 UJ	51 U	51 U	55 U	51 U	51 U	--	51 UJ	51 U	51 UJ	51 U	51 UJ	51 UJ	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1221	ug/kg	34 U	34 U	34 U	36 U	34 U	33 U	--	33 U	33 U	34 U	33 U	34 U	34 U	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	9 U	8.5 U	8.5 U	--	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
Acenaphthene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
Anthracene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
B(a)P Equivalent	ug/kg	6 U	59 U	290 U	61 U	5.9 U	56 U	--	59 U	5.9 U	5.9 U	22	5.9 U	5.9 U	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	51 U	26 U	5.5 U	5.1 U	5 U	--	51 U	5.1 U	5.1 U	20	5.1 U	5.1 U	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U	5.1 U	14	5.1 U	5.1 U	--	--	--
Benzo (b) fluoranthene	ug/kg	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U	5.1 U	25	5.1 U	5.1 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18
	SAMPLE	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124
	DATE	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	7	9	9	9	0	1	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	8	10	10	10	1	2	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	8	10	10	10	0.5	2	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U	5.1 U	9.4	5.1 U	5.1 U	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U	5.1 U	15 J	5.1 U	5.1 U	--	--	--
Chrysene	ug/kg	5.2 U	51 U	26 U	5.5 U	5.1 U	5 U	--	51 U	5.1 U	5.1 U	21	5.1 U	5.1 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
Fluoranthene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	39	5.1 U	5.1 U	--	--	--
Fluorene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U	5.1 U	8.1	5.1 U	5.1 U	--	--	--
Naphthalene	ug/kg	5.2 U	5.1 U	7.4 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--
PAH High molecular weight	ug/kg	0	0	0	0	0	0	--	0	0	0	184	0	0	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	--	0	0	0	7.1	0	0	--	--	--
Phenanthrene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	7.1	5.1 U	5.1 U	--	--	--
Pyrene	ug/kg	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	32	5.1 U	5.1 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
3,3-Dichlorobenzidene	ug/kg	690 U	670 U	170000 U	730 U	670 U	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
4-Chloro-3-methylphenol	ug/kg	690 U	670 U	17000 U	730 U	670 U	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--
4-Chloroaniline	ug/kg	690 U	670 U	17000 U	730 U	670 U	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
Benzyl alcohol	ug/kg	690 U	670 U	17000 U	730 U	670 U	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	85000 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	85000 U	360 U	330 U	630	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	8500 U	3600 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18
	SAMPLE	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124
	DATE	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	7	9	9	9	0	1	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	8	10	10	10	1	2	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	8	10	10	10	0.5	2	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--
Phenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	630	76	37	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
TPH as gasoline	mg/kg	1.2 U	--	1.6 U	1.5 U	1.3 U	1.2 U	--	1.2 U	--	1.3 U	1.2 U	1.4 U	1.4 UJ	--	--	--
TPH as motor oil	mg/kg	10 U	10 U	4500	540	230	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1-Dichloroethene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1-Dichloropropene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1,1-Trichloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1,2-Trichloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2-Dibromoethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2-Dichlorobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2-Dichloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2-Dichloropropane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2,3-Trichloropropane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,3-Dichlorobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,3-Dichloropropane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,4-Dichlorobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
4-Isopropyltoluene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Acetone	ug/kg	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--
Acrolein	ug/kg	120 U	110 U	150 U	130 U	100 U	120 U	--	120 U	100 U	120 U	130 U	130 U	120 U	--	--	--
Acrylonitrile	ug/kg	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--
Benzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Bromobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Bromochloromethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Bromodichloromethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Bromoform	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Bromomethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Carbon disulfide	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Carbon tetrachloride	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Chloro methane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Chlorobenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Chloroethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18
	SAMPLE	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124
	DATE	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	7	9	9	9	0	1	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	10	1	3	6	8	10	10	10	1	2	3	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	8	10	10	10	0.5	2	3	6	10	0.5	3	6
	SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS																
Chloroform	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Dibromomethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Dichlorodifluoromethane	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Ethyl- benzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Hexachlorobutadiene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
Isopropylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--
Methyl isobutyl ketone	ug/kg	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
N-Butylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
N-Propylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--
p-Chlorotoluene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
sec-Butylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Styrene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
tert-Butylbenzene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Tetrachloroethene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Toluene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Trichloroethene	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Vinyl chloride	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Xylene, m,p-	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Xylene, o-	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--
Xylenes, total	ug/kg	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21
	SAMPLE	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145
	DATE	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
SAMPLE TOP DEPTH (FT)		2	3	3	0	2	5	9	14	9	0	2	5	8	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	610	15	--	--	--	--	--	--	--	6.1 J	3.6 J	8.7 J	1.8 U	12 J	89	1.3 U
1,2,3,4,6,7,8-HpCDF	ng/kg	390	0.48 U	--	--	--	--	--	--	--	0.79 U	0.64 U	0.73 U	0.61 U	2.5 J	8.6 J	0.25 U
1,2,3,4,7,8-HxCDD	ng/kg	29	0.9 U	--	--	--	--	--	--	--	0.19 U	0.18 U	0.14 U	0.21 U	0.25 J	--	0.12 U
1,2,3,4,7,8-HxCDF	ng/kg	110	0.3 U	--	--	--	--	--	--	--	0.21 U	0.11 U	0.18 U	0.1 U	0.38 J	0.48 J	0.067 U
1,2,3,4,7,8,9-HpCDF	ng/kg	23	0.57 U	--	--	--	--	--	--	--	0.3 J	0.12 U	0.14 U	0.32 U	0.25 U	0.69 J	0.094 U
1,2,3,6,7,8-HxCDD	ng/kg	60	0.43 U	--	--	--	--	--	--	--	0.49 U	0.18 U	0.073 U	0.13 U	0.88 U	2.9 J	0.14 U
1,2,3,6,7,8-HxCDF	ng/kg	110	1.3 U	--	--	--	--	--	--	--	0.27 U	0.11 U	0.18 U	0.23 U	0.35 J	0.75 J	0.17 U
1,2,3,7,8-PeCDD	ng/kg	49 U	0.91 U	--	--	--	--	--	--	--	0.089 U	0.15 U	0.1 U	0.34 U	0.45 U	--	0.15 U
1,2,3,7,8-PeCDF	ng/kg	92	0.11 U	--	--	--	--	--	--	--	0.2 U	0.16 U	0.33 J	0.25 U	0.19 U	0.47 J	0.053 U
1,2,3,7,8,9-HxCDD	ng/kg	52	0.41 U	--	--	--	--	--	--	--	0.58 J	0.31 U	0.28 U	0.43 U	0.61 U	1.2 J	0.14 U
1,2,3,7,8,9-HxCDF	ng/kg	11 U	1.1 U	--	--	--	--	--	--	--	0.22 U	0.15 U	0.076 U	0.13 U	0.11 U	0.14 U	0.1 U
2,3,4,6,7,8-HxCDF	ng/kg	220	1 U	--	--	--	--	--	--	--	1.1 U	1.3 U	1.5 U	0.97 U	3.1 U	--	0.43 U
2,3,4,7,8-PeCDF	ng/kg	190 U	0.12 U	--	--	--	--	--	--	--	0.2 U	0.13 U	0.17 U	0.082 U	0.26 U	--	0.053 U
2,3,7,8-TCDD	ng/kg	17	0.43 U	--	--	--	--	--	--	--	0.042 U	0.044 U	0.056 U	0.07 U	0.1 U	0.073 U	0.064 U
2,3,7,8-TCDF	ng/kg	5.8 U	0.66 U	--	--	--	--	--	--	--	0.045 U	0.094 U	0.53 J	0.061 U	0.32 J	0.085 U	0.047 U
OCDD	ng/kg	1800	43	--	--	--	--	--	--	--	40	22 J	66	15 J	82	780	10 U
OCDF	ng/kg	79	1.3 U	--	--	--	--	--	--	--	1.2 J	1.1 J	1.4 U	1.2 U	3.7 U	--	0.43 U
TEQ Avian	ng/kg	210	1.3	--	--	--	--	--	--	--	0.37	0.33	0.86	0.4	1.1	2.2	0.21 U
TEQ Human	ng/kg	140	1.2	--	--	--	--	--	--	--	0.36	0.29	0.4	0.35	0.85	3.2	0.19 U
TEQ Mammals	ng/kg	140	1.2	--	--	--	--	--	--	--	0.36	0.29	0.4	0.35	0.85	3.2	0.19 U
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.6	9.5	8.88 J	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	19	2.1 U	2.3 U	2 U	2.1 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	--	2 U
Arsenic	mg/kg	14	2.3	15	5.8	11	8.5	2.6	3.1	--	1.5	1 U	1.6	1 U	1 U	1.5	1.1
Barium	mg/kg	410	190	120	190	130	150	180	120	--	120	140	130	68	140	--	60
Beryllium	mg/kg	1 U	1 U	11 U	2 U	11 U	5.2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Cadmium	mg/kg	7.1 J	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	0.043	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	2.2	0.77	1	1.3	--	0.41 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Chromium, total	mg/kg	380 J	13	26	28	42	42	21	15	--	14	12	14	9.9	15	17	13
Cobalt	mg/kg	17	6.7	11 U	6.8	11 U	6.6	8.5	7.2	--	6.7	5.8	6.8	5.7	7	--	5.7
Copper	mg/kg	1800	19	23 U	44	21 U	19	16 J	9.1	--	9	7.1	11	6.5	10	12	40
CR6 SPLP	mg/L	--	--	--	--	--	0.044 J	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1600 J	6.3	1.1 U	18	7.6	21	--	2.1	1.9	5.6	3.4	2.6	1.1	11	9.8	1.4
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	16	1 U	11 U	2 U	11 U	5.2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Nickel	mg/kg	270	9.7	4.5	12	12	13	11	11	--	9	7.6	9	7.1	9	--	8
Selenium	mg/kg	1 UJ	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	11 U	2 U	11 U	5.2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Thallium	mg/kg	2.1 U	2.1 U	23 U	4.1 U	21 U	10 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	--	2 U
Vanadium	mg/kg	24 J	27	13	28	25	27	--	28	33	25	25	26	23	26	--	24
Zinc	mg/kg	2000 J	41	11 U	49	34	51	--	35	41	37	31	29	24	41	--	39
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21
	SAMPLE	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145
	DATE	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
SAMPLE TOP DEPTH (FT)		2	3	3	0	2	5	9	14	9	0	2	5	8	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	8500	--	--	--	--	--	7700	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	37000	--	--	--	--	--	21000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	0.1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	19000	--	--	--	--	--	16000	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	7200	--	--	--	--	--	6700	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	270	--	--	--	--	--	230	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2600	--	--	--	--	--	2700	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	630	--	--	--	--	--	190	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	4.4	2.1 U	--	2.9	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.1 U	--	3	--	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.2 U	5.2 U	--	5.1 U	--	--	--	--	--	5 U	--	--	--	--	--	--
Toxaphene	ug/kg	52 U	52 U	--	51 U	--	--	--	--	--	50 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	34 U	--	34 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	35	17 U	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	35	8.5 U	--	8.5 U	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Acenaphthene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Anthracene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	59	6 U	6.6 U	5.9	6.2 U	14	5.8 U	5.9 U	--	380 U	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	12	5.2 U	5.7 UJ	5.1 U	5.4 U	9.5	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	8.7	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	12	5 U	5.1 U	--	330 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21
	SAMPLE	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145
	DATE	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
SAMPLE TOP DEPTH (FT)		2	3	3	0	2	5	9	14	9	0	2	5	8	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	52 U	5.2 U	5.7 UJ	11	5.4 U	12	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	12	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Chrysene	ug/kg	16	5.2 U	5.7 UJ	5.1 U	5.4 U	12	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--
Fluoranthene	ug/kg	17	5.2 U	5.7 UJ	5.9	5.4 U	12	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--
Fluorene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	7.6	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--
Naphthalene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U	--	6.5 U	--	--	--	--	--	--
PAH High molecular weight	ug/kg	63	0	0	22.8	0	98.8	0	0	--	0	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	5.2	0	0	0	0	--	0	--	--	--	--	--	--
Phenanthrene	ug/kg	5.2 U	5.2 U	5.7 UJ	5.2	5.4 U	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--
Pyrene	ug/kg	18	5.2 U	5.7 UJ	5.9	5.4 U	13	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	710 U	--	--	--	--	--	700 UJ	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	710 U	--	--	--	--	--	700 UJ	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	1700 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	710 U	--	--	--	--	--	700 UJ	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	1700 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	1700 R	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 UJ	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	1700 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	690 U	690 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	660 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	690 U	690 U	750 UJ	670 U	710 U	690 U	670 U	670 U	--	660 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	690 U	690 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	660 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	370 UJ	430	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	1700 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	1700 UJ	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1900 UJ	1700 U	1800 U	1700 U	1700 U	1700 U	--	1700 R	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	710 U	--	--	--	--	--	700 UJ	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	710 U	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	710 U	--	--	--	--	--	700 UJ	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1900 UJ	1700 U	1800 U	1700 U	1700 U	1700 U	--	1700 R	--	--	--	--	--	--
Benzyl alcohol	ug/kg	690 U	690 U	750 UJ	670 U	710 U	690 U	670 U	670 U	--	660 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	340 U	--	--	--	--	--	330 UJ	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	340 U	--	--	--	--	--	330 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	3400 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 UJ	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21
	SAMPLE	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145
	DATE	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
SAMPLE TOP DEPTH (FT)		2	3	3	0	2	5	9	14	9	0	2	5	8	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	1700 UJ	--	--	--	--	--	--
Phenol	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	13	47	10 UJ	34.1	14.1	10 U	10 U	10 U	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.9 U	1.7 UJ	--	--	1.4 U	1.5 U	0.92 U	1.6 U	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	79	410	10 UJ	252	64.1	164	26.2	10 U	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	340 U	--	--	--	--	--	330 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	89 U	--	--	--	--	70 UJ	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U	--	330 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Acetone	ug/kg	100 UJ	3600 U	--	--	--	--	--	--	--	65 U	--	--	--	--	--	--
Acrolein	ug/kg	200 U	7300 U	--	--	180 U	130 U	--	170 UJ	120 U	130 U	--	--	--	--	--	--
Acrylonitrile	ug/kg	100 U	3600 U	--	--	89 U	65 U	--	86 U	59 U	65 U	--	--	--	--	--	--
Benzene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 UJ	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Bromobenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Bromochloromethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Bromodichloromethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Bromoform	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Bromomethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Carbon disulfide	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Chloro methane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Chlorobenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Chloroethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21
	SAMPLE	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145
	DATE	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017
SAMPLE TOP DEPTH (FT)		2	3	3	0	2	5	9	14	9	0	2	5	8	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	4	3.25	0.5	3	6	10	15	10	0.5	3	6	9	0.5	3	6
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 UJ	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Dibromomethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Ethyl- benzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	670 U	--	--	--	--	--	660 R	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	8.9 U	--	--	--	--	7 UJ	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	100 UJ	3600 U	--	--	89 U	65 U	--	86 U	59 U	65 U	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	100 U	3600 U	--	--	89 U	65 U	--	86 U	59 U	65 U	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	8.9 U	--	--	--	--	7 UJ	--	--	--	--	--	--
Methylene chloride	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
N-Butylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
N-Propylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Styrene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Tetrachloroethene	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Toluene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Trichloroethene	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Vinyl chloride	ug/kg	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Xylene, m,p-	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Xylene, o-	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--
Xylenes, total	ug/kg	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5
	SAMPLE	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025
	DATE	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	14	0	2	5	9	14	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	4.1 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.61 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.061 U	0.63 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.047 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.027 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.061 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.045 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.1 U	0.57 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.13 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.067 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.053 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.75 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.14 U	0.34 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.052 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.11 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	1.8 J	23 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Arsenic	mg/kg	1	--	3.7	3.3	3.4	2.1	2.7	4.5	4.5	4.1	--	3.4	3.1	6.8	9	3.2
Barium	mg/kg	98	130	140	90	130	140	110	99	130	110	--	130	96	300	240	240
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.4 U	0.41 U	0.88	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	--	0.4 U	0.41 U	0.4 U
Chromium, total	mg/kg	14	--	31	26	32	19	17	13	16	16	8.2	15	--	15	17	15
Cobalt	mg/kg	6.7	7.9	7.5	8.1	6.6	7.5	7.6	4.3	4.4	4.4	3.4	6.4	--	6.8	6.1	7.3
Copper	mg/kg	8.1	--	12	13	11	7.1	12	7.3	6.2	5.3	2.9	7.9	--	9.6	16	7.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	--	8.4	6.4	9	2	2.2	7.2	3.5	3.5	--	2.2	2.9	5.3	16	2.7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.099 U	0.1 U	0.099 U
Molybdenum	mg/kg	1 U	1 U	1.6	1 U	2.1	1 U	1 U	1 U	1.5	1.5	1.2	1 U	--	2 U	2 U	1 U
Nickel	mg/kg	9.2	9.7	11	13	11	10	11	7.1	7.6	7.3	4.8	10	--	10	13	10
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	4 U	4 U	2 U
Vanadium	mg/kg	25	29	30	34	26	30	29	20	21	21	19	27	--	29	28	28
Zinc	mg/kg	30	45	52	46	40	33	32	31	23	23	16	29	--	35	46	35
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5
	SAMPLE	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025
	DATE	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	14	0	2	5	9	14	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	8800	--	--	--	--	5400	--	--	--	--	--	9000	--	--
Calcium	mg/kg	--	--	20000	--	--	--	--	12000	--	--	--	--	--	31000	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
Iron	mg/kg	--	--	20000	--	--	--	--	11000	--	--	--	--	--	17000	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	7200	--	--	--	--	4300	--	--	--	--	--	7000	--	--
Manganese	mg/kg	--	--	290	--	--	--	--	170	--	--	--	--	--	260	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	2800 J	--	--	--	--	1600	--	--	--	--	--	2500	--	--
Sodium	mg/kg	--	--	350	--	--	--	--	340	--	--	--	--	--	390	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	5 U	--	--	--	--	--	5 U	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	50 U	--	--	--	--	--	50 U	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	33 U	--	--	--	--	--	33 U	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	17 U	--	--
Total PCBs	ug/kg	--	--	8.5 U	--	--	--	--	8.5 U	--	--	--	--	--	8.5 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
Acenaphthene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
Acenaphthylene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
Anthracene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	--	--	16	6.1	6.1	5.8 U	5.9 U	5.8 U	5.9 U	5.8 U	5.8 U	5.9 U	--	5.8 U	17	5.8 U
Benzo (a) anthracene	ug/kg	--	--	15	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.6	5 U
Benzo (a) pyrene	ug/kg	--	--	10	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	9.5	5 U
Benzo (b) fluoranthene	ug/kg	--	--	15	5.2	5.5	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	31	5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5
	SAMPLE	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025
	DATE	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	14	0	2	5	9	14	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	7.1	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	14	5 U
Benzo (k) fluoranthene	ug/kg	--	--	12	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	22	5 U
Chrysene	ug/kg	--	--	18	6.1	5.4	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	24	5 U
Dibenzo (a,h) anthracene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
Fluoranthene	ug/kg	--	--	22	5 U	6.6	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	27	5 U
Fluorene	ug/kg	--	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	6.1	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	12	5 U
Naphthalene	ug/kg	--	--	5 U	5 U	5 U	4.5 U	4.9 U	5 U	4.6 U	4.5 U	3.9 U	4.5 U	--	5 U	4.6 U	4.9 U
PAH High molecular weight	ug/kg	--	--	125	16.9	24.6	0	0	0	0	0	0	0	--	0	166	0
PAH Low molecular weight	ug/kg	--	--	6	0	0	0	0	0	0	0	0	0	--	0	11	0
Phenanthrene	ug/kg	--	--	6	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	11	5 U
Pyrene	ug/kg	--	--	20	5.6	7.1	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	21	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	700 U	--	--	--	--	--	700 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	700 U	--	--	--	--	--	700 U	--	--
2-Chloro naphthalene	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2-Chlorophenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2-Methylphenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
2-Nitrophenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	700 U	--	--	--	--	--	700 U	--	--
2,4-Dichlorophenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
3-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	660 U	670 U	660 U	670 U	670 U	660 U	670 U	660 U	--	670 U	660 U	660 U	1700 U	660 U
4-Chloroaniline	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
4-Methylphenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
4-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
4-Nitrophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	4100 U	1700 U
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	700 U	--	--	--	--	--	700 U	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	700 U	--	--	--	--	--	700 U	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	700 U	--	--	--	--	--	700 U	--	--
Benzoic acid	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	4100 U	1700 UJ
Benzyl alcohol	ug/kg	--	--	660 U	670 U	660 U	670 U	670 U	660 U	670 U	660 U	--	670 U	660 U	660 U	1700 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	640	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Butylbenzylphthalate	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Caprolactam	ug/kg	--	--	330 U	--	--	--	--	330 U	--	--	--	--	--	330 U	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	330 U	--	--	--	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Dibenzofuran	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Diethyl phthalate	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Dimethyl phthalate	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Hexachlorobenzene	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Hexachloroethane	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5
	SAMPLE	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025
	DATE	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	14	0	2	5	9	14	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Pentachlorophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
Phenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	1 U	0.91 U	1.1 U	1.1 UJ	--	0.94 U	0.95 U	--	1 U	0.83 U	--	0.88 U	0.98 U
TPH as motor oil	mg/kg	--	--	10.9	10 U	11.6	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10.3	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1-Dichloroethene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1-Dichloropropene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1,1-Trichloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1,2-Trichloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2-Dibromoethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2-Dichlorobenzene	ug/kg	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U
1,2-Dichloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2-Dichloropropane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2,3-Trichloropropane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,3-Dichlorobenzene	ug/kg	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U
1,3-Dichloropropane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
1,4-Dichlorobenzene	ug/kg	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	330 U	--	--	--	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
2-Hexanone	ug/kg	--	--	--	51 U	--	--	--	--	46 U	--	--	--	--	--	46 U	--
2,2-Dichloropropane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
2,4,5-Trichlorophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	39 U	45 U	--	--	46 U	49 U
Acrolein	ug/kg	--	--	--	100 U	100 U	89 U	98 U	--	93 U	90 UJ	78 U	90 U	--	--	93 U	98 U
Acrylonitrile	ug/kg	--	--	--	51 U	51 U	45 U	49 U	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U
Benzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Bromobenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Bromochloromethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Bromodichloromethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Bromoform	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Bromomethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Carbon disulfide	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Carbon tetrachloride	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Chloro methane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Chlorobenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Chloroethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5
	SAMPLE	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025
	DATE	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	14	0	2	5	9	14	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Cyclohexane	ug/kg	--	--	--	5.1 U	--	--	--	--	4.6 U	--	--	--	--	--	4.6 U	--
Dibromochloromethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Dibromomethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Dichlorodifluoromethane	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Ethyl- benzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Hexachlorobutadiene	ug/kg	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U	330 U	4.6 U	4.5 U	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	660 U	--	--	--	--	--	660 U	--	--
Isophorone	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
Isopropylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Methyl acetate	ug/kg	--	--	--	5.1 U	--	--	--	--	4.6 U	--	--	--	--	--	4.6 U	--
Methyl ethyl ketone	ug/kg	--	--	--	51 U	51 U	45 U	49 U	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U
Methyl isobutyl ketone	ug/kg	--	--	--	51 U	51 U	45 U	49 U	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Methylcyclohexane	ug/kg	--	--	--	5.1 U	--	--	--	--	4.6 U	--	--	--	--	--	4.6 U	--
Methylene chloride	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
N-Butylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
N-Propylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Nitrobenzene	ug/kg	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
sec-Butylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Styrene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
tert-Butylbenzene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Tetrachloroethene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Toluene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Trichloroethene	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Vinyl chloride	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Xylene, m,p-	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Xylene, o-	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U
Xylenes, total	ug/kg	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8
	SAMPLE	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.8	3.2	5	6	3.4	--	3.3	2.8	5	5	5.3	3.9	3.7	6.8	6.9	2.8
Barium	mg/kg	110	90	120	210	140	120	110	--	160	170	210	120	150	110	93	210
Beryllium	mg/kg	1 U	1 U	1 U	2 U	1 U	1 U	1 U	--	1 U	1 U	2 U	1 U	1 U	2 U	2 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	0.41 U	0.4 U	--	0.4 U	0.41 U	0.41 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U
Chromium, total	mg/kg	15	16	11	23	18	18	16	--	15	13	18	26	25	12	15	18
Cobalt	mg/kg	7.6	6.8	4	7.8	7.7	--	5.9	8.4	4.7	6.1	7.5	10	6.5	4.9	5.5	8.6
Copper	mg/kg	9.5	7.3	6.1	9.5	9.1	--	7.2	9.7	7.4	10	10	14	9.9	7.9	8.8	6.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.3	2.2	7.4	3.3	2.3	2.4	2.2	--	6.1	7.1	4.8	2.9	3.5	6.4	6.8	2.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	--	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1.2	2.4	1 U	1 U	1 U	--	1 U	1 U	2 U	1 U	2.4	2 U	2 U	1 U
Nickel	mg/kg	10	12	7	11	11	12	9.3	--	9.6	9.3	12	16	11	9.4	11	11
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	2 U	1 U	1 U	1 U	--	1 U	1 U	2 U	1 U	1 U	2 U	2 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	4 U	2 U	2 U	2 U	--	2 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U
Vanadium	mg/kg	30	28	20	34	31	33	25	--	25	23	30	38	25	24	26	35
Zinc	mg/kg	35	30	35	37	35	39	28	--	31	30	35	46	32	30	31	39
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8
	SAMPLE	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	6800	--	--	--	--	6500	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	23000	--	--	--	--	32000	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	13000	--	--	--	--	14000	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	6100	--	--	--	--	6600	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	250	--	--	--	--	260	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	1500	--	--	--	--	1400	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	600	--	--	--	--	340	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	5.1 U	--	--	--	--	5 U	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	51 U	--	--	--	--	50 U	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	33 U	--	--	--	--	33 U	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	17 U	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	8.5 U	--	--	--	--	8.5 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
Acenaphthene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
Acenaphthylene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	6.8	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
Anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	17	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	6.2	5.8 U	5.8 U	5.9 U	5.8 U	--	5.9	11	5.9 U	5.9 U	5.8 U	5.8 U	5.9 U	29
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	13
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5.9	5.1 U	5.1 U	5 U	5 U	5.1 U	12
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.9 J	5 U	5 U	5.1 U	5 U	--	5.1 U	16	5.1 U	5.1 U	5 U	5 U	5.1 U	13

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8
	SAMPLE	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	17	5.1 U	5.1 U	5 U	5 U	5.1 U	12
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.9 J	5 U	5 U	5.1 U	5 U	--	5.1 U	10	5.1 U	5.1 U	5 U	5 U	5.1 U	14
Chrysene	ug/kg	5 U	5.1 U	5.2 J	5 U	5 U	5.1 U	5 U	--	7.7	10	5.1 U	5.1 U	5 U	5 U	5.1 U	14
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	13
Fluoranthene	ug/kg	5 U	5.1 U	5.9 J	5 U	5 U	5.1 U	5 U	--	5.1 U	6.6	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1
Fluorene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	10	5.1 U	5.1 U	5 U	5 U	5.1 U	12
Naphthalene	ug/kg	4.2 U	4 U	5 U	4.6 U	5 U	--	4.3 U	4.2 U	5.1 U	4.1 U	4.6 U	4.8 U	4.6 U	5 U	4.7 U	4.6 U
PAH High molecular weight	ug/kg	0	0	28.2	0	0	0	0	--	7.7	82.1	0	0	0	0	0	114
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	--	0	23.8	0	0	0	0	0	0
Phenanthrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U
Pyrene	ug/kg	5 U	5.1 U	5.3 J	5 U	5 U	5.1 U	5 U	--	5.1 U	6.6	5.1 U	5.1 U	5 U	5 U	5.1 U	5.7
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	700 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	700 U	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	700 U	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	660 U	660 U	670 U	670 U	660 U	--	1700 U	1700 U	670 U	670 U	660 U	660 U	670 U	660 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	4200 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	700 U	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	700 U	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	1800 U	--	--	--	--	700 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	4200 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	660 U	660 U	670 U	670 U	660 U	--	1700 U	1700 U	670 U	670 U	660 U	660 U	670 U	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	830 U	--	--	--	--	330 U	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	830 U	--	--	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8
	SAMPLE	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 J	17	10 U	10 U	10 U	10 J	--	10 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U
TPH as gasoline	mg/kg	0.79 U	0.95 U	--	1.1 U	0.92 U	0.82 U	1 U	--	--	0.84 U	0.86 U	0.96 U	0.89 U	--	0.96 U	0.86 U
TPH as motor oil	mg/kg	10 U	10 J	67.4	10.6	10 U	10 U	10 J	--	21.1	14.3	10 U	14.8	11.4 J	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1-Dichloroethene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1-Dichloropropene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1,1-Trichloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1,1,2-Tetrachloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1,2-Trichloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,1,2,2-Tetrachloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2-Dibromo-3-chloropropane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2-Dibromoethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2-Dichlorobenzene	ug/kg	4.2 U	4 U	330 U	4.6 U	5.3 U	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U
1,2-Dichloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2-Dichloropropane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2,3-Trichlorobenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2,3-Trichloropropane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,2,4-Trichlorobenzene	ug/kg	4.2 U	4 U	330 U	4.6 U	5.3 U	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U
1,2,4-Trimethylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,3-Dichlorobenzene	ug/kg	4.2 U	4 U	330 U	4.6 U	5.3 U	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U
1,3-Dichloropropane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,3,5-Trimethylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
1,4-Dichlorobenzene	ug/kg	4.2 U	4 U	330 U	4.6 U	5.3 U	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	830 U	--	--	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	41 U	--	--	--	--	47 U	--
2,2-Dichloropropane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Acetone	ug/kg	42 U	40 U	--	46 U	53 U	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U
Acrolein	ug/kg	85 U	80 U	--	91 U	110 U	--	86 U	83 U	--	83 U	92 U	97 U	92 U	--	95 U	93 U
Acrylonitrile	ug/kg	42 U	40 U	--	46 U	53 U	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U
Benzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Bromochloromethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Bromodichloromethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Bromoform	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Bromomethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Carbon disulfide	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Carbon tetrachloride	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Chloro methane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Chlorobenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Chloroethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8
	SAMPLE	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
cis-1,2-Dichloroethene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
cis-1,3-Dichloropropene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	4.1 U	--	--	--	--	4.7 U	--
Dibromochloromethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Dibromomethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Dichlorodifluoromethane	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Ethyl- benzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Hexachlorobutadiene	ug/kg	4.2 U	4 U	330 U	4.6 U	5.3 U	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	--	--	660 U	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	4.1 U	--	--	--	--	4.7 U	--
Methyl ethyl ketone	ug/kg	42 U	40 U	--	46 U	53 U	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U
Methyl isobutyl ketone	ug/kg	42 U	40 U	--	46 U	53 U	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	4.1 U	--	--	--	--	4.7 U	--
Methylene chloride	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
N-Butylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
N-Propylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
sec-Butylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Styrene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
tert-Butylbenzene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Tetrachloroethene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Toluene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
trans-1,2-Dichloroethene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
trans-1,3-Dichloropropene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Trichloroethene	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Vinyl chloride	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Xylene, m,p-	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Xylene, o-	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U
Xylenes, total	ug/kg	4.2 U	4 U	--	4.6 U	5.3 U	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2
	SAMPLE	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073
	DATE	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 UJ	--	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	3.3	4.7	--	5.3	6.3	3	4.4	6.2	5	7.2	6	2.8	3.1	4.8	7	7
Barium	mg/kg	--	73 J	92	140	170	61	220	120 J	150	150	240	120	110	160	160	150
Beryllium	mg/kg	1 U	1 U	--	1 U	2 U	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	--	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	0.46	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U
Chromium, total	mg/kg	19	23 J	--	13	12	9	15	13	15	22	18	17	13	14	14	10
Cobalt	mg/kg	8.5	9.7	--	4.8	4.8	2.8	5.5	5.9	5.2	5.7	6.7	7	6.7	4.8	4.9	4.2
Copper	mg/kg	12	18	--	7.6	7.2	4.1	7.6	8.2	9.4	15	15	7.4	9	8.8	7.6	6.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	3.7	3	5.4	6	2.8	3.6	5	7.2	11	4.8	1.6	2.6	4.8	5.5	5.5
Mercury	mg/kg	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	2 U	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1.1	2 U	2 U
Nickel	mg/kg	13	16	--	9.5	9.1	5	9.1	9.4	8.8	13	12	10	10	10	9.4	8.2
Selenium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	--	1 U	2 U	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U
Thallium	mg/kg	2 U	2.1 U	--	2 U	4 U	2 U	2 U	4.1 U	2 U	4 U	4.1 U	2 U	2 U	2 U	4 U	4.1 U
Vanadium	mg/kg	--	36 J	35	23	23	13	23	22	23	23	25	26	27	24	22	19
Zinc	mg/kg	--	42 J	39	28	29	13	29	32	34	32	35	33	31	27	29	25
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2
	SAMPLE	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073
	DATE	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	--	5.8 U	5.9 U	5.8 U	5.8 U	5.9 U	6.8	5.9 U	5.9 U	5.8 U	5.9 U	29	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	11 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2
	SAMPLE	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073
	DATE	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.3 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	9.8 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Chrysene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	11 J	5.1 U	5.1 U	5 U	5.1 U	26	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	8.1 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Fluorene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Naphthalene	ug/kg	4.5 U	4.9 U	--	5 U	5.1 U	4.9 U	4.4 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	4.3 U	25 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	--	0	0	0	0	0	52.3	0	0	0	0	26	0	0
PAH Low molecular weight	ug/kg	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Pyrene	ug/kg	5 U	5.1 U	--	5 U	5.1 U	5 U	5 U	5.1 U	7.1 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	680 U	--	660 U	670 U	660 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	6600 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	17000 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	17000 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	680 U	--	660 U	670 U	660 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	6600 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2
	SAMPLE	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073
	DATE	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
Phenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 UJ	--	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	11 J	10 UJ	10 UJ
TPH as gasoline	mg/kg	0.8 U	0.9 U	--	--	0.79 U	0.89 UJ	0.91 U	0.94 UJ	--	0.97 U	1 UJ	1.1 UJ	1 UJ	--	0.99 U	0.98 U
TPH as motor oil	mg/kg	10 U	10 UJ	--	57.5 J	22.1 J	57 J	14 J	10 UJ	10 UJ	56.7 J	38.9 J	10 UJ	10 UJ	134 J	28.2 J	10.9 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1-Dichloroethene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1-Dichloropropene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1,1-Trichloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1,1,2-Tetrachloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1,2-Trichloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,1,2,2-Tetrachloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2-Dibromo-3-chloropropane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2-Dibromoethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2-Dichlorobenzene	ug/kg	4.5 U	4.9 U	--	330 U	8 U	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U
1,2-Dichloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2-Dichloropropane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2,3-Trichlorobenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2,3-Trichloropropane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,2,4-Trichlorobenzene	ug/kg	4.5 U	4.9 U	--	330 U	8 U	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U
1,2,4-Trimethylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,3-Dichlorobenzene	ug/kg	4.5 U	4.9 U	--	330 U	8 U	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U
1,3-Dichloropropane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,3,5-Trimethylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
1,4-Dichlorobenzene	ug/kg	4.5 U	4.9 U	--	330 U	8 U	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
4-Isopropyltoluene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Acetone	ug/kg	45 U	49 U	--	--	--	49 U	44 U	--	--	59 U	53 U	61 U	43 U	--	61 U	62 U
Acrolein	ug/kg	89 U	99 U	--	--	160 U	97 U	87 U	110 U	--	120 U	110 U	120 U	87 U	--	120 U	120 U
Acrylonitrile	ug/kg	45 U	49 U	--	--	80 U	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U
Benzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Bromobenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Bromochloromethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Bromodichloromethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Bromoform	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Bromomethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Carbon disulfide	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Carbon tetrachloride	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Chloro methane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Chlorobenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Chloroethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2
	SAMPLE	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073
	DATE	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Chloroform	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
cis-1,2-Dichloroethene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
cis-1,3-Dichloropropene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Dibromomethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Dichlorodifluoromethane	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Ethyl- benzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Hexachlorobutadiene	ug/kg	4.5 U	4.9 U	--	330 U	8 U	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
Isopropylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	45 U	49 U	--	--	80 U	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U
Methyl isobutyl ketone	ug/kg	45 U	49 U	--	--	80 U	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
N-Butylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
N-Propylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Nitrobenzene	ug/kg	330 U	340 U	--	330 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U
p-Chlorotoluene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
sec-Butylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Styrene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
tert-Butylbenzene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Tetrachloroethene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Toluene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
trans-1,2-Dichloroethene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
trans-1,3-Dichloropropene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Trichloroethene	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Vinyl chloride	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Xylene, m,p-	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Xylene, o-	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U
Xylenes, total	ug/kg	4.5 U	4.9 U	--	--	8 U	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC1-5	AOC1-5
	SAMPLE	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC1-5-365	AOC1-5-366
	DATE	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120	6.5 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.5 U	0.2 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37 U	0.11 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.44 U	0.053 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 U	0.24 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.47 U	0.17 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.58 U	0.048 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.47 U	0.07 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11 U	0.064 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6 U	0.16 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	0.063 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U	0.2 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12 U	0.067 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.087 U	0.071 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.098 U	0.1 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1300	44 U
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28	1.3 U
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2	0.2
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4	0.2
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4	0.2
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2.1 U	2.1 U
Arsenic	mg/kg	4.6	3.3	--	5.4	4	2.9	3	3.2	5	5	4.5	3	2.7	--	1.3	1.6
Barium	mg/kg	130	--	130	190	180	100	160	89	190	130	120	120	120	--	65	76
Beryllium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.4 U	--	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	--	0.21 U	0.21 U
Chromium, total	mg/kg	9.5	--	18	17	18	12	16	17	15	14	16	16	17	--	14	24
Cobalt	mg/kg	4.2	--	7.3	7.1	8.3	5.4	7	8.9	6.3	4.4	4.1	8	--	8.6	7.2	8.8
Copper	mg/kg	6.7	9.6	--	11	9.5	6.7	8.4	9.5	8.1	6.9	6.4	11	11	--	7.3	8.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.3	3	--	3.8	2.7	2	2.2	2.4	5.1	10	11	2.3	3	--	1.5	1 U
Mercury	mg/kg	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	--	1 U	1 U
Nickel	mg/kg	8.1	13	--	10	12	7.2	11	11	9.6	7	6.7	11	11	--	9.7	12
Selenium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 UJ	1 UJ
Silver	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2.1 U	2.1 U
Vanadium	mg/kg	18	--	28	30	33	23	31	34	27	20	19	31	32	--	28	42
Zinc	mg/kg	24	--	33	35	36	29	32	35	31	27	27	32	37	--	26	32
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC1-5	AOC1-5
	SAMPLE	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC1-5-365	AOC1-5-366
	DATE	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Acenaphthene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Acenaphthylene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Anthracene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	--	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U	--	--	--
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC1-5	AOC1-5
	SAMPLE	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC1-5-365	AOC1-5-366
	DATE	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Chrysene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Fluoranthene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Fluorene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Naphthalene	ug/kg	5.1 U	--	4.2 U	5 U	5 U	4.4 U	3.9 U	4.8 U	5 U	5 U	3.8 U	4.5 U	3.3 U	--	--	--
PAH High molecular weight	ug/kg	0	0	--	0	0	0	0	0	0	0	0	0	0	--	--	--
PAH Low molecular weight	ug/kg	0	0	--	0	0	0	0	0	0	0	0	0	0	--	--	--
Phenanthrene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Pyrene	ug/kg	5.1 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2-Chlorophenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2-Methylphenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
2-Nitrophenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	--	660 U	660 U	670 U	670 U	670 U	660 U	660 U	670 U	670 U	670 U	--	--	--
4-Chloroaniline	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
4-Methylphenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--
Benzyl alcohol	ug/kg	670 U	670 U	--	660 U	660 U	670 U	670 U	670 U	660 U	660 U	670 U	670 U	670 U	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Butylbenzylphthalate	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Dibenzofuran	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Diethyl phthalate	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Dimethyl phthalate	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Hexachlorobenzene	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Hexachloroethane	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC1-5	AOC1-5
	SAMPLE	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC1-5-365	AOC1-5-366
	DATE	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
Phenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 UJ	10 UJ	--	30.4 J	10 J	10 J	10 J	10 J	10 J	10 J	10 J	10 UJ	--	10 J	--	--
TPH as gasoline	mg/kg	0.92 U	--	0.92 U	--	0.84 U	0.96 U	0.85 U	0.97 U	--	0.96 U	0.83 U	0.85 U	0.63 U	--	--	--
TPH as motor oil	mg/kg	10 UJ	10 UJ	--	172 J	16.4 J	24.7 J	10 J	10 J	14.3 J	11.2 J	10.1 J	10 UJ	--	10 J	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1-Dichloroethene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1-Dichloropropene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1,1-Trichloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1,2-Trichloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2-Dibromoethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2-Dichlorobenzene	ug/kg	5.1 U	--	4.2 U	330 U	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2-Dichloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2-Dichloropropane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2,3-Trichloropropane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.1 U	--	4.2 U	330 U	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,3-Dichlorobenzene	ug/kg	5.1 U	--	4.2 U	330 U	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,3-Dichloropropane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,4-Dichlorobenzene	ug/kg	5.1 U	--	4.2 U	330 U	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
4-Isopropyltoluene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Acetone	ug/kg	51 U	--	42 U	--	51 U	44 U	39 U	--	--	64 U	38 U	45 U	--	37 UJ	--	--
Acrolein	ug/kg	100 U	--	84 U	--	100 U	88 U	78 U	97 U	--	130 U	75 U	90 U	65 U	--	--	--
Acrylonitrile	ug/kg	51 U	--	42 U	--	51 U	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	--	--
Benzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Bromobenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Bromochloromethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Bromodichloromethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Bromoform	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Bromomethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Carbon disulfide	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Carbon tetrachloride	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Chloro methane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Chlorobenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Chloroethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC1-5	AOC1-5
	SAMPLE	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC1-5-365	AOC1-5-366
	DATE	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Dibromomethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Dichlorodifluoromethane	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Ethyl- benzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Hexachlorobutadiene	ug/kg	5.1 U	--	4.2 U	330 U	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
Isopropylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	51 U	--	42 U	--	51 U	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	--	--
Methyl isobutyl ketone	ug/kg	51 U	--	42 U	--	51 U	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
N-Butylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
N-Propylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Nitrobenzene	ug/kg	340 U	330 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	--	--
p-Chlorotoluene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
sec-Butylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Styrene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
tert-Butylbenzene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Tetrachloroethene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Toluene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Trichloroethene	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Vinyl chloride	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Xylene, m,p-	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Xylene, o-	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--
Xylenes, total	ug/kg	5.1 U	--	4.2 U	--	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7
	SAMPLE	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380
	DATE	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	0	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
SAMPLE TYPE												Field Duplicate		Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	280	8.1 J	1.8 J	440	77	8.9 U	3.5 U	3.5 J	820 J	7.9 U	--	480	97 J	4 J	0.27 U	1.1 J
1,2,3,4,6,7,8-HpCDF	ng/kg	45	1.6 U	0.13 U	42	10 U	1.1 U	0.37 U	0.34 U	54	0.57 U	--	38 J	9.8 J	1.3 U	0.42 U	0.11 U
1,2,3,4,7,8-HxCDD	ng/kg	1.3 J	0.29 U	0.3 U	1.6 U	0.49 U	0.12 U	0.052 U	0.11 U	3.8 J	0.069 U	--	1.4 J	0.64 U	0.32 U	0.19 U	0.068 U
1,2,3,4,7,8-HxCDF	ng/kg	1.2 U	0.14 U	0.067 U	1.3 U	0.51 U	0.13 U	0.092 U	0.14 U	9 J	0.081 U	--	1.8 J	0.45 U	0.11 U	0.28 U	0.032 U
1,2,3,4,7,8,9-HpCDF	ng/kg	2.5 U	1.1 U	0.39 U	4.5 U	0.72 U	0.24 U	0.38 U	0.13 U	5.9 J	0.18 U	--	0.85 U	0.79 U	1.2 J	0.59 U	0.33 U
1,2,3,6,7,8-HxCDD	ng/kg	0.22 U	0.19 U	0.09 U	12 J	2.4 J	0.14 U	0.051 U	0.11 U	26	0.34 U	--	7.7 J	--	0.061 U	0.083 U	0.067 U
1,2,3,6,7,8-HxCDF	ng/kg	1.7 U	0.13 U	0.061 U	2.8 U	0.46 U	0.32 U	0.084 U	0.097 U	3.1 U	0.078 U	--	1.8 U	0.41 U	0.099 U	0.07 U	0.03 U
1,2,3,7,8-PeCDD	ng/kg	0.49 U	0.14 U	0.064 U	1 U	0.19 U	0.06 U	0.098 U	0.21 U	--	0.065 U	1.3 U	0.8 U	--	0.36 U	0.048 U	0.079 U
1,2,3,7,8-PeCDF	ng/kg	0.24 U	0.11 U	0.043 U	0.52 U	0.39 U	0.051 U	0.11 U	0.047 U	0.23 U	0.047 U	--	0.13 U	0.14 U	0.2 U	0.1 U	0.059 U
1,2,3,7,8,9-HxCDD	ng/kg	2.2 U	1.1 U	0.27 J	5.1 J	0.79 U	0.28 U	0.05 U	0.11 U	8.4 J	0.11 U	--	0.29 U	1.6 J	0.63 U	0.24 U	0.066 U
1,2,3,7,8,9-HxCDF	ng/kg	0.52 U	0.56 U	0.079 U	1.6 U	0.6 U	0.15 U	0.11 U	0.13 U	--	0.094 U	1.3 J	0.8 U	--	0.41 U	0.53 U	0.038 U
2,3,4,6,7,8-HxCDF	ng/kg	53 U	0.77 J	0.069 U	110 U	20 U	1.2 J	0.095 U	0.31 U	--	5.9 U	260 U	61 U	30 U	0.84 J	0.079 U	0.26 U
2,3,4,7,8-PeCDF	ng/kg	0.25 U	0.11 U	0.046 U	0.55 U	0.41 U	0.053 U	0.11 U	0.049 U	--	0.049 U	2.1 U	0.65 U	0.14 U	0.16 U	0.056 U	0.062 U
2,3,7,8-TCDD	ng/kg	0.077 U	0.071 U	0.12 U	0.18 U	0.092 U	0.044 U	0.069 U	0.067 U	--	0.031 U	0.075 U	0.33 U	0.073 U	0.068 U	0.055 U	0.096 U
2,3,7,8-TCDF	ng/kg	0.12 U	0.27 U	0.18 U	0.25 U	0.13 U	0.039 U	0.063 U	0.048 U	0.16 U	0.036 U	--	0.38 J	--	0.24 U	0.077 U	0.12 U
OCDD	ng/kg	4200	83	9.2 U	4500	750	75 U	41 U	30 U	6800 J	66 U	--	5100	980 J	51	17 J	12 J
OCDF	ng/kg	280	4.4 U	0.73 U	94	26	1.5 U	1.5 U	1.6 U	--	0.91 U	45	130 J	--	2.5 J	1.2 U	0.66 U
TEQ Avian	ng/kg	4.7	0.51	0.26	8.8	1.8	0.28	0.21 U	0.24	26	0.42 U	--	6.2	--	0.61	0.2	0.21
TEQ Human	ng/kg	8	0.45	0.19	14	2.7	0.3	0.16 U	0.24	36	0.44 U	--	12	--	0.49	0.15	0.15
TEQ Mammals	ng/kg	8	0.45	0.19	14	2.7	0.3	0.16 U	0.24	36	0.44 U	--	12	--	0.49	0.15	0.15
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	--	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	1.4	1 U	1.7	1.8	1.1	1.3	2.1	2.8	--	1.3	1.7	1.6 J	--	1.6	1.9	1.9
Barium	mg/kg	77	110	51	69	60	92	50	52	130	84	--	56	--	51	86	61
Beryllium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1.4	1.1	--	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.21 U	0.22	0.21 U	0.21 U	0.21 U	0.21 U	--	0.21 U	0.61	0.21 U	--	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	19	13	18	23	17	14	21	23	28 J	13	--	14	--	18	25	22
Cobalt	mg/kg	7.6	7.2	8.4	8.4	7.1	8.3	9.9	9.4	--	7.6	8.1 J	6.4	--	9.3	11	10
Copper	mg/kg	7.9	9.5	8.3	11	6.7	8.8	8.3	7.3	18 J	28	--	9.4	--	6.3	8.8	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.1	1 U	1.9	2.9	1.2	1 U	1.5	1.6	--	1.3	3.9 J	1.6	--	1.1	1.6	1.3
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.12	0.1 U	--	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	10	8.6	13	11	9.4	9.4	13	17	9.8 J	12	--	9.3 J	--	12	16	15
Selenium	mg/kg	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	--	1 UJ	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ	--	2.1 U	--	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	27	29	29	30	25	29	36	32	--	22	25 J	21	--	33	38	36
Zinc	mg/kg	45	28	34	34	27	30	35	38	46 J	25	--	28 J	--	35	42	38
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7
	SAMPLE	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380
	DATE	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	0	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
SAMPLE TYPE												Field Duplicate		Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	6900	--	--	6500	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	19000	--	--	9100	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	0.21 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	15000 J	--	--	29000	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	5400	--	--	4700	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	210	--	--	180 J	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	2100	--	--	1300	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	2700	--	--	150	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	5.2 U	--	--	5.2 U	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	52 U	--	--	52 U	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	34 U	34 U	--	34 U	34 U	34 U	34 U	35 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	17 UJ	17 UJ	--	17 UJ	--	17 UJ	17 UJ	17 UJ
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	17 UJ	--	17 UJ	17 UJ	17 UJ
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	440	17 U	--	17 UJ	--	17 UJ	17 UJ	17 UJ
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	466	34 U	--	17 U	--	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	340 U	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	340 U	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	340 U	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	340 U	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	76	5.9 U	--	390 U	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	72 J	5.1 U	--	340 U	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	52 J	5.1 U	--	340 U	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	28 J	340 U	--	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7
	SAMPLE	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380
	DATE	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	0	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
SAMPLE TYPE												Field Duplicate		Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	31	5.1 U	--	340 UJ	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	7.9	340 U	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	57 J	5.1 U	--	340 U	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	340 UJ	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	25 J	340 U	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	340 U	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	9	340 UJ	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	5.2 U	5.1 U	--	6.3 U	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	577	0	--	0	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	29	0	--	0	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.9 J	340 U	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	94 J	5.1 U	--	340 U	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	730 U	--	--	720 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	730 U	--	--	720 U	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	730 U	--	--	720 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	680 U	--	--	680 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	680 U	--	--	680 U	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	680 U	--	--	680 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	730 U	--	--	720 U	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	730 U	--	--	720 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	730 U	--	--	720 U	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	680 U	--	--	680 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7
	SAMPLE	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380
	DATE	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	0	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
SAMPLE TYPE												Field Duplicate		Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	90 U	--	--	63 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	90 U	--	--	63 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	180 U	--	--	130 U	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	90 U	--	--	63 U	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7
	SAMPLE	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380
	DATE	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	0	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	0.5	0.5	3	6	10	15
SAMPLE TYPE												Field Duplicate		Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	680 U	--	--	680 UJ	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	9 UJ	--	--	6.3 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	90 U	--	--	63 U	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	90 U	--	--	63 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	340 U	--	--	340 U	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	9 U	--	--	6.3 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12
	SAMPLE	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197
	DATE	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	5	9	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	130	200	--	--	5100	670	17	0.88 U	--	380	830	1800	2.2 U	1400	2900
1,2,3,4,6,7,8-HpCDF	ng/kg	--	18	1.5 U	--	--	240 U	0.21 U	0.091 U	--	0.38 J	1.3 U	1.9 U	110	0.055 U	160	410
1,2,3,4,7,8-HxCDD	ng/kg	--	1.2 U	2 U	--	--	7.1 U	3.5 J	0.2 U	0.046 U	--	1.9 J	4 J	7.8 J	0.13 U	13	3.3 U
1,2,3,4,7,8-HxCDF	ng/kg	--	0.54 U	1.9 U	--	--	1.1 U	0.21 U	0.16 U	0.052 U	--	2.8 U	2.3 U	2.1 U	0.15 U	7.7 U	45 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	1.9 U	1.8 U	--	--	27	4 U	0.12 U	0.067 U	--	1.6 U	8 U	12 J	0.07 U	11 U	41 U
1,2,3,6,7,8-HxCDD	ng/kg	5 J	5.4 J	8.5 J	--	--	88	17	0.78 J	0.036 U	--	8.6 J	25	50	0.13 U	41	70
1,2,3,6,7,8-HxCDF	ng/kg	--	1.9 J	1.6 U	--	--	45 U	7.7 U	1.5 U	0.048 U	--	4.9 U	19 U	4.6 J	0.14 U	6.8 U	40 U
1,2,3,7,8-PeCDD	ng/kg	0.28 U	0.84 U	0.95 U	--	--	4.2 U	1 U	0.16 U	0.052 U	--	0.35 U	2.4 U	3.8 U	0.1 U	4.4 J	2.9 U
1,2,3,7,8-PeCDF	ng/kg	--	0.35 U	0.97 U	--	--	0.58 U	1.1 U	1.5 U	0.062 U	--	0.19 U	0.53 U	1.4 U	0.06 U	7.5 U	23 U
1,2,3,7,8,9-HxCDD	ng/kg	--	2.9 J	5.1 J	--	--	23	7 J	0.19 U	0.034 U	--	3.7 J	9.3 J	18	0.15 U	15	15
1,2,3,7,8,9-HxCDF	ng/kg	0.43 U	4.4 U	2.1 U	--	--	1.3 U	1.6 J	0.24 U	0.061 U	--	1.1 U	2.7 U	2.4 U	0.18 U	8.7 U	51 U
2,3,4,6,7,8-HxCDF	ng/kg	--	41 U	78 U	--	--	570 U	110 U	0.27 U	0.21 U	--	58 U	2.4 U	340 U	0.76 U	380 U	670 U
2,3,4,7,8-PeCDF	ng/kg	--	0.26 U	0.98 U	--	--	5.1 J	1.2 U	1.6 U	0.067 U	--	0.21 U	2.7 J	1.6 U	0.065 U	5.8 J	23 U
2,3,7,8-TCDD	ng/kg	--	0.19 U	0.3 U	--	--	0.4 U	0.08 U	0.045 U	0.025 U	--	0.36 U	0.19 U	0.5 J	0.061 U	0.32 U	0.52 U
2,3,7,8-TCDF	ng/kg	0.11 U	0.35 U	0.44 U	--	--	2.3 J	0.077 U	0.069 U	0.1 J	--	0.36 U	0.96 U	1 J	0.16 U	2.5 J	0.84 U
OCDD	ng/kg	--	1200	1800	--	--	42000	6700	130	--	14 U	4700	9700	16000	13 U	15000	50000
OCDF	ng/kg	69	41	64	--	--	1700	120	2.2 J	0.047 U	--	52	320 J	440	0.56 U	590	2300
TEQ Avian	ng/kg	3.4	4.1	6.6	--	--	55	9.7	1.2	--	0.22	5.4	9.1	29	0.27 U	41	70
TEQ Human	ng/kg	5.8	5.8	9	--	--	110	18	0.79	--	0.15	10	19	52	0.19 U	54	100
TEQ Mammals	ng/kg	5.8	5.8	9	--	--	110	18	0.79	--	0.15	10	19	52	0.19 U	54	100
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	8.21	9.02	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.4 U	2 U	2 U	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.3 U
Arsenic	mg/kg	1.7	2.2	2.4	4.3	8.4	3.6	3.4	1.7	--	2.6	4.4	2.5	3.3	2.1	4.3	4
Barium	mg/kg	62	110	130	160	160	190	190	100	160	--	180	180	210	91	200	190
Beryllium	mg/kg	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.24	0.4 U	0.4 U	0.21 U	0.42	0.2 U	--	0.21 U	0.21 UJ	0.36	0.5	0.22 U	0.23 U	0.8
Chromium, total	mg/kg	20	26	16	23	25	52	66	17	--	25 J	19	38	54	11	29	48
Cobalt	mg/kg	9.5	6.1	5.8	6.4	9.4	8.5	8.8	7.8	--	11	6.6	11	10	6.5	7.5	7.7
Copper	mg/kg	9	12	10	11	15	16	15	9.5	8.2	--	14	15	16	6	15	17
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.9	4.1	12	7.5	2	11	11	1.1	1.9	--	8.5	6.3	7.3	1.1 U	9.8	10
Mercury	mg/kg	0.1 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Molybdenum	mg/kg	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	13	9.9	7.3	11	19	14	14	11	--	16	12	17	18	7.3	13	13
Selenium	mg/kg	1 U	1.1 UJ	1.2 UJ	1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	2.1 U	2.1 UJ	2.4 UJ	2 U	2 U	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.3 U
Vanadium	mg/kg	34	22	24	26	40	33	32	30	41	--	25	41	38	22	30	31
Zinc	mg/kg	35	41	40	44	28	65	63	35	--	49	54	54	62	27	74	58
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12
	SAMPLE	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197
	DATE	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	5	9	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Aluminum	mg/kg	--	7600	--	8100	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	18000	--	21000	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	15000	--	14000	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	5700	--	6400	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	210	--	260	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	2800	--	2800	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	180	--	300	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
4,4-DDE	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
4,4-DDT	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
Aldrin	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
alpha-BHC	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
alpha-Chlordane	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
beta-BHC	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
delta-BHC	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
Dieldrin	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
Endo sulfan I	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
Endo sulfan II	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
Endosulfan sulfate	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
Endrin	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
Endrin aldehyde	ug/kg	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--
Endrin ketone	ug/kg	--	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
gamma-Chlordane	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
Heptachlor	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--
Heptachlor Epoxide	ug/kg	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--	1.1 U	1.1 UJ	1 U	1 U	1.1 U	--	--
Methoxy chlor	ug/kg	--	5.3 U	--	5 U	--	5.2 U	5.1 U	5.1 U	--	5.3 U	5.3 U	5.1 U	5.2 U	5.4 U	--	--
Toxaphene	ug/kg	--	53 U	--	50 U	--	52 U	51 U	51 U	--	53 U	53 U	51 U	52 U	54 U	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	--	17 U	17 UJ	17 U	17 U	17 U	--	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ
Aroclor 1221	ug/kg	--	--	--	33 U	33 UJ	34 U	34 U	34 U	--	35 U	35 U	34 U	34 U	36 U	37 UJ	37 UJ
Aroclor 1232	ug/kg	17 U	--	--	17 U	17 UJ	17 U	17 U	17 U	--	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ
Aroclor 1242	ug/kg	17 UJ	--	--	17 U	17 UJ	17 U	17 U	17 U	--	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ
Aroclor 1248	ug/kg	17 UJ	--	--	17 U	17 UJ	17 U	17 U	17 U	--	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ
Aroclor 1254	ug/kg	17 UJ	--	--	91	17 UJ	17 U	530	17 U	--	17 U	18 U	17 U	17 U	18 U	33 J	18 UJ
Aroclor 1260	ug/kg	17 U	--	--	17 U	17 UJ	17 U	160	17 U	--	17 U	18 U	17 U	17 U	18 U	26 J	18 UJ
Aroclor 1262	ug/kg	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	--	--	99.5	17 U	17 U	690	17 U	--	17 U	18 U	17 U	17 U	18 U	59	18 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	350 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	350 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	350 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	350 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	400 U	--	16	5.8 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	350 U	--	8.5	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	350 U	--	11	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	350 U	--	9.4	5 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12
	SAMPLE	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197
	DATE	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	5	9	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	350 U	--	10	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	350 U	--	10	5 U	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	350 U	--	12	5 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	350 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	350 U	--	17	5 U	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	350 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	350 U	--	7.8	5 U	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	6.7 U	--	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	0	--	101	0	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	0	--	6.2	0	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	350 U	--	6.2	5 U	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	350 U	--	15	5 U	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	750 U	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	750 U	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	1800 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	750 U	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1800 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1800 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	1800 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	700 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	700 U	--	660 U	670 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	700 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	1800 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	1800 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1800 U	--	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	750 U	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	750 U	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	750 U	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1800 U	--	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	700 U	--	660 U	670 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	350 U	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	350 U	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12
	SAMPLE	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197
	DATE	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	5	9	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	1800 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	12.6	10 U	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	2.2 U	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	31.8	10 U	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	6.7 U	--	330 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	6.7 U	--	330 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	6.7 U	--	330 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	6.7 U	--	330 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	350 U	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	67 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	350 U	--	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	67 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	130 UJ	--	--	100 U	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	67 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12
	SAMPLE	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197
	DATE	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	5	9	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	6	10	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Chloroform	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	6.7 U	--	330 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	700 UJ	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	67 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	67 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	350 U	--	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	6.7 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16
	SAMPLE	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	550	8.3 J	1.8 U	2.3 U	530	47	--	--	--	--	--	--	580	300
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	36	0.39 U	0.21 J	0.2 U	51	6.2 J	--	--	--	--	--	--	53 J	43
1,2,3,4,7,8-HxCDD	ng/kg	--	--	2.6 J	0.29 U	0.14 J	0.074 U	3.8 J	0.39 U	--	--	--	--	--	--	4.5 J	22
1,2,3,4,7,8-HxCDF	ng/kg	--	--	5 J	0.21 U	0.066 U	0.098 U	3.1 J	0.24 U	--	--	--	--	--	--	7.1 U	0.16 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	5.4 J	0.19 U	0.079 U	0.093 U	2.8 U	0.46 U	--	--	--	--	--	--	4.8 J	4.7 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	16	0.088 U	0.1 U	0.22 U	0.4 U	1.5 J	--	--	--	--	--	--	24 J	1.1 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	10 U	0.22 U	0.084 U	0.091 U	1.5 J	0.21 U	--	--	--	--	--	--	2 U	2 J
1,2,3,7,8-PeCDD	ng/kg	--	--	0.3 U	0.13 U	0.072 U	0.18 U	1 U	0.075 U	--	--	--	--	--	--	3.8 J	3.8 J
1,2,3,7,8-PeCDF	ng/kg	--	--	0.26 U	0.07 U	0.1 U	0.069 U	1.6 U	0.11 U	--	--	--	--	--	--	1.1 U	0.7 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	5.4 U	0.23 U	0.055 U	0.069 U	7.4 J	0.78 J	--	--	--	--	--	--	9.4 J	5 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	0.78 U	0.25 U	0.35 U	0.12 U	3.7 U	2.3 U	--	--	--	--	--	--	2.4 U	1.5 J
2,3,4,6,7,8-HxCDF	ng/kg	--	--	140 U	1.9 U	0.072 U	0.6 U	1.1 J	8.9 U	--	--	--	--	--	--	190 U	130 U
2,3,4,7,8-PeCDF	ng/kg	--	--	2.1 J	0.075 U	0.11 U	0.074 U	1.6 U	0.12 U	--	--	--	--	--	--	1.2 U	0.73 U
2,3,7,8-TCDD	ng/kg	--	--	0.27 J	0.051 U	0.13 U	0.075 U	0.52 U	0.062 U	--	--	--	--	--	--	0.48 U	0.34 J
2,3,7,8-TCDF	ng/kg	--	--	0.9 J	0.047 U	0.26 J	0.25 J	0.9 J	0.3 U	--	--	--	--	--	--	0.3 U	0.46 U
OCDD	ng/kg	--	--	5200	70	12 U	7.6 U	6600	680	--	--	--	--	--	--	5400	3100
OCDF	ng/kg	--	--	260	0.96 U	0.4 U	0.26 U	120	14 J	--	--	--	--	--	--	190 J	120
TEQ Avian	ng/kg	--	--	14	0.32	0.46	0.47	6	1.1	--	--	--	--	--	--	18	14
TEQ Human	ng/kg	--	--	19	0.37	0.21	0.24	11	1.7	--	--	--	--	--	--	26	18
TEQ Mammals	ng/kg	--	--	19	0.37	0.21	0.24	11	1.7	--	--	--	--	--	--	26	18
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.3 U	2.5 U	2.2 U	2.2 U	2.2 U	2.4 U
Arsenic	mg/kg	2.5	2.1	3.7	2.4	3.4	2.5	2.5	2.5	1 U	4.5	4.7	2.5	1.1 U	1.1 U	2.4	4.2
Barium	mg/kg	110	92	190	190	73	140	150	110	88 J	280	180	140	95	140	150	200
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.21 U	0.22	0.22 U	0.22 U	0.21 U	0.23	0.21 U	0.21 U	0.23 U	0.54	0.22 U	0.22 U	0.22 U	0.36
Chromium, total	mg/kg	12	13	29	22	17	16	28	15	14	19	21	43	14	16	30	50
Cobalt	mg/kg	6.2	7.3	8	10	9.3	8.6	9.5	7.7	8	11	6.6	7	8.5	7.5	8.9	7.4
Copper	mg/kg	6.9	6.5	16	17	11	6.5	12	10	8.8	22	15	17	6.6	6.9	13	18
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	1.3	8.7	1.5	2	1.5	4.7	3.6	1.3	1.2	9.2	9.9	1.4	1.1 U	5.8	12
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.12 U	0.13 U	0.11 U	0.11 U	0.11 U	0.12 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
Nickel	mg/kg	8.3	8.2	14	14	14	11	14	11	9.6	18	12	12	9.9	12	14	12
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 UJ	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.3 U	2.5 U	2.2 U	2.2 U	2.2 U	2.4 U
Vanadium	mg/kg	24	26	31	39	34	30	39	32	29	37	27	29	32	29	38	31
Zinc	mg/kg	30	29	62	44	39	35	49	34	34	29	52	49	39	37	46	51
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16
	SAMPLE	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
4,4-DDE	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
4,4-DDT	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
Aldrin	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
alpha-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
alpha-Chlordane	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
beta-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
delta-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
Dieldrin	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
Endo sulfan I	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
Endo sulfan II	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
Endosulfan sulfate	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
Endrin	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
Endrin aldehyde	ug/kg	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--	--	--	--	--	--	2.2 U	2.4 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
gamma-Chlordane	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
Heptachlor	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
Heptachlor Epoxide	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.2 U
Methoxy chlor	ug/kg	--	--	5.3 U	5.3 U	5.6 U	5.5 U	--	--	--	--	--	--	--	--	5.5 U	6.1 U
Toxaphene	ug/kg	--	--	53 U	53 U	56 U	55 U	--	--	--	--	--	--	--	--	55 U	61 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Aroclor 1221	ug/kg	--	--	35 U	35 U	37 U	37 U	--	--	--	--	--	--	--	--	36 U	40 U
Aroclor 1232	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Aroclor 1242	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Aroclor 1248	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Aroclor 1254	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Aroclor 1260	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	17 U	18 U	19 U	18 U	--	--	--	--	--	--	--	--	18 U	20 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	6.1	6.5 U	6.5 U	6.5 U	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16
	SAMPLE	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	7.1 J	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	7.1	0	0	0	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	0	0	0	0	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16
	SAMPLE	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16
	SAMPLE	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2
	SAMPLE	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	26	1.9 U	15	2 J	--	--	1300	4.1 J	0.29 U	0.19 U	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	2.3 J	0.18 U	1.7 J	0.49 U	--	--	57 J	0.13 U	0.05 U	0.028 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.33 U	0.15 U	0.24 U	0.1 U	--	--	2.8 U	0.4 U	0.056 U	0.06 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.63 J	0.084 U	0.26 U	0.1 U	--	--	6.8 J	0.17 U	0.032 U	0.034 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.47 U	0.11 U	0.59 U	0.052 U	--	--	6.7 U	0.1 U	0.036 U	0.036 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	1.1 U	0.11 U	0.21 U	0.086 U	--	--	21	0.39 U	0.055 U	0.049 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.77 U	0.082 U	0.23 U	0.089 U	--	--	0.46 U	0.15 U	0.03 U	0.031 U	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.11 U	0.1 U	0.13 U	0.061 U	--	--	1.7 U	0.087 U	0.073 U	0.058 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.38 U	0.16 U	0.28 U	0.069 U	--	--	1.1 J	0.2 U	0.09 U	0.062 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.67 U	0.22 J	0.21 U	0.12 U	--	--	7.4 J	0.37 U	0.072 U	0.1 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.26 U	0.098 U	0.3 U	0.11 U	--	--	1.2 U	0.19 U	0.084 U	0.04 U	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	8.5 U	0.29 U	0.26 U	0.2 U	--	--	110 U	1.4 U	0.1 U	0.035 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.3 U	0.17 U	0.12 U	0.069 U	--	--	0.8 U	0.22 U	0.097 U	0.067 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	4.8 U	0.1 U	0.06 U	0.051 U	--	--	0.21 U	0.053 U	0.076 U	0.069 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.39 J	0.15 U	0.17 U	0.091 U	--	--	0.49 U	0.22 U	0.3 U	0.2 U	--	--	--	--	--	--
OCDD	ng/kg	200	6.4 U	120 B	24 U	--	--	15000	9.5 U	0.66 U	0.9 U	--	--	--	--	--	--
OCDF	ng/kg	4.7 J	0.41 U	3 J	0.37 U	--	--	230 J	0.39 J	0.068 U	0.052 U	--	--	--	--	--	--
TEQ Avian	ng/kg	3.7	0.32	0.37	0.18	--	--	12	0.43	0.3 U	0.21 U	--	--	--	--	--	--
TEQ Human	ng/kg	3.5	0.21	0.42	0.14	--	--	29	0.31	0.13 U	0.1 U	--	--	--	--	--	--
TEQ Mammals	ng/kg	3.5	0.21	0.42	0.14	--	--	29	0.31	0.13 U	0.1 U	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.85	8.35
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.3 U	2.1 U	2.1 U	2.1 U	2.6 U	2.5 U	2.2 U	2.2 U	2.3 UJ	2.1 U	2.1 U	2.2 U	2 U	2 U
Arsenic	mg/kg	2.2	1.8	2.7	1.1 U	1.1 U	1.1 U	3.7	2.9	1.7	2.4	3.3	1.4	1 U	1.9	3.4	3.1
Barium	mg/kg	78	40	140	110	120	250	250	180	110	180	190	60	62	59	96	110
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.23 U	0.21 U	0.21 U	0.21 U	0.26 U	0.25 U	0.22 U	0.22 U	1.4	0.21 U	0.21 U	0.22 U	0.4 U	0.41 U
Chromium, total	mg/kg	15	10	15	23	18	19	46	10	9.6	17	58	12	15	12	21	34
Cobalt	mg/kg	6.3	5.5	6.9	9.1	8.5	8.3	9.4	5.5	5.8	8.4	8.5	7.1	8.2	7.1	6	7.1
Copper	mg/kg	8.1	6.2	13	18	18	15	19	7	6.9	6	15	6.9	6.9	7.7	7.6	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.3	1.1 U	5.1	1.4	2	1.7	13	3.5	1.1 U	1.5	11	1.4	1	1.1 U	3.7	18
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	8.8	7.7	10	12	11	11	18	7.6	7.6	11	15	8.2	11	8.6	10	12
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 UJ	1 U	1 U	1.1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.3 U	2.1 U	2.1 U	2.1 U	2.6 U	2.5 U	2.2 U	2.2 U	2.3 U	2.1 U	2.1 U	2.2 U	2 U	2 U
Vanadium	mg/kg	27	24	28	36	34	34	39	23	22	33	34	26	32	31	23	30
Zinc	mg/kg	28	22	36	41	38	39	68	30	28	35	60	27	34	31	40	39
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2
	SAMPLE	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
Aldrin	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
beta-BHC	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
delta-BHC	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U	2.2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
Heptachlor	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U	1.1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.3 U	5.4 U	--	--	--	--	6.6 U	6.2 U	5.5 U	5.6 U	--	--	--	--	--	--
Toxaphene	ug/kg	53 U	54 U	--	--	--	--	66 U	62 U	55 U	56 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	35 U	35 U	--	--	--	--	43 U	41 U	36 U	37 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	18 U	--	--	--	--	22 U	20 U	18 U	18 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.8 U	15
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	7.9 J
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	10 J
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	9.7 J

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2
	SAMPLE	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	7.7 J
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	11 J
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	10 J
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	19 J
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	7.3 J
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	5.1 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	98.6
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	6.2
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	6.2 J
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	16 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2
	SAMPLE	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.92 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31 J	11.1 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.7 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.7 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.7 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.7 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	57 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	57 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2
	SAMPLE	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.7 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	57 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	57 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23
	SAMPLE	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241
	DATE	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	160	4.4 J	3.1 U	0.61 U	2000	12 J	1 U	0.73 U	--	--	--	--	540	16
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	0.2 U	0.13 U	0.088 U	0.084 U	9.8 U	0.086 U	0.04 U	0.069 U	--	--	--	--	63	1.9 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	1.3 J	0.17 U	0.17 U	0.04 U	5.2 J	0.13 U	0.047 U	0.03 U	--	--	--	--	4 U	0.22 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	0.24 U	0.056 U	0.075 U	0.064 U	14	0.12 U	0.067 U	0.05 U	--	--	--	--	3.4 U	0.13 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	1.2 J	0.16 U	0.068 U	0.038 U	12 U	0.11 U	0.05 U	0.087 U	--	--	--	--	5.2 J	0.57 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	6.1 J	0.039 U	0.069 U	0.05 U	44	0.13 U	0.046 U	0.062 U	--	--	--	--	16	0.5 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	3.1 U	0.052 U	0.069 U	0.059 U	23 U	0.11 U	0.057 U	0.12 U	--	--	--	--	4.5 U	0.11 U
1,2,3,7,8-PeCDD	ng/kg	--	--	0.26 U	0.074 U	0.054 U	0.097 U	4.6 J	0.12 U	0.073 U	0.074 U	--	--	--	--	2.3 U	0.16 U
1,2,3,7,8-PeCDF	ng/kg	--	--	0.32 U	0.086 U	0.1 U	0.085 U	0.2 U	0.075 U	0.08 U	0.052 U	--	--	--	--	5.7 J	0.23 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	2.7 J	0.037 U	0.14 U	0.047 U	16	0.12 U	0.044 U	0.034 U	--	--	--	--	4.9 U	0.5 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	0.28 U	0.065 U	0.087 U	0.075 U	3.8 J	0.14 U	0.078 U	0.058 U	--	--	--	--	1.5 U	0.67 J
2,3,4,6,7,8-HxCDF	ng/kg	--	--	42 U	1.5 U	1.1 U	0.2 U	5.5 J	0.12 U	0.43 U	0.39 U	--	--	--	--	170 U	1.7 U
2,3,4,7,8-PeCDF	ng/kg	--	--	0.34 U	0.1 U	0.11 U	0.091 U	3.5 J	0.081 U	0.086 U	0.056 U	--	--	--	--	2.3 U	0.23 U
2,3,7,8-TCDD	ng/kg	--	--	0.068 U	0.041 U	0.06 U	0.041 U	0.29 U	0.053 U	0.047 U	0.055 U	--	--	--	--	0.34 U	0.16 U
2,3,7,8-TCDF	ng/kg	--	--	0.064 U	0.11 U	0.15 J	0.14 U	0.48 U	0.14 U	0.1 U	0.04 U	--	--	--	--	3.1 J	0.17 U
OCDD	ng/kg	--	--	1600	21 U	13 U	2 U	20000	110	5.6 U	3.4 U	--	--	--	--	5900	120 B
OCDF	ng/kg	--	--	35	0.41 U	0.31 J	0.031 U	440	3.1 J	0.17 U	0.19 U	--	--	--	--	180	2.3 J
TEQ Avian	ng/kg	--	--	3.4	0.26	0.35	0.21 U	18	0.26	0.19 U	0.15 U	--	--	--	--	17	0.62
TEQ Human	ng/kg	--	--	5.6	0.22	0.19	0.12 U	42	0.31	0.12 U	0.12 U	--	--	--	--	21	0.65
TEQ Mammals	ng/kg	--	--	5.6	0.22	0.19	0.12 U	42	0.31	0.12 U	0.12 U	--	--	--	--	21	0.65
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.72	8.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.1 U	2.1 U	2.3 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.6 U	2.4 U
Arsenic	mg/kg	3.1	3.8	1 U	1.8	1.6	2.4	3.3	2.9	2	2	3.9	3.9	2.9	2.2	6.9	3.3
Barium	mg/kg	100	120	75	67	71	70	190	110	420	140	72	120	90	66	270	180
Beryllium	mg/kg	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U
Cadmium	mg/kg	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.43 U	0.21 U	0.21 U	0.22 U	0.23 U	0.23 U	0.22 U	0.22 U	0.22 U	0.21 U	0.21 U	0.21 U	0.22 U	0.26 U	0.24 U
Chromium, total	mg/kg	35	20	20	14	12	22	42	22	15	19	12	20	16	15	38	17
Cobalt	mg/kg	7.1	8.7	8.7	7.3	7.1	11	8.6	10	7.2	9.1	4.6	6.6	7.6	7.2	9.6	7.6
Copper	mg/kg	8.8	8.1	8.2	7.4	8.7	17	17	9.7	13	14	7	10	7.7	8.8	22	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.4	3.8	2.2	1.6	1.4	2.9	13	3.2	1.6	2	6.1	16	4.2	1.1 U	16	6.9
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.11 U	0.13 U	0.12 U
Molybdenum	mg/kg	1.5	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U
Nickel	mg/kg	12	14	12	9.9	8.9	15	15	12	11	11	6.8	12	9.1	9.6	18	12
Selenium	mg/kg	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U
Silver	mg/kg	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U
Thallium	mg/kg	2 U	2.1 U	2.1 U	2.1 U	2.3 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.6 U	2.4 U
Vanadium	mg/kg	28	38	35	34	29	43	36	38	29	41	23	30	36	29	42	33
Zinc	mg/kg	41	39	38	31	29	48	64	40	33	40	26	43	36	33	84	47
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23
	SAMPLE	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241
	DATE	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5.3 U	5.3 U	5.6 U	5.7 U	5.7 U	5.5 U	5.5 U	5.5 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	53 U	53 U	56 U	57 U	57 U	55 U	55 U	55 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	35 U	35 U	37 U	37 U	38 U	36 U	36 U	36 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U	18 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	5.8	6.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23
	SAMPLE	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241
	DATE	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	8	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	14.4	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	6.4	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1800 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23
	SAMPLE	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241
	DATE	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	0.91 U	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	17.6 J	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	53 U	49 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	110 U	97 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	53 U	49 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23
	SAMPLE	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241
	DATE	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	49 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	53 U	49 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	5.3 U	4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27
	SAMPLE	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	830	510	--	--	1700	38	7.2 J	0.36 U	4100	19 U	--	--	91	0.2 U
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	58	110	--	--	110 J	3.4 J	0.69 U	0.032 U	250	3 J	--	--	0.57 U	0.095 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	4.9 J	1.5 U	--	--	7.8 J	1.4 J	0.13 U	0.03 U	16	0.76 U	--	--	0.68 U	0.055 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	4.7 U	8.3 U	--	--	1.7 U	0.16 U	0.18 U	0.057 U	18	0.21 U	--	--	0.14 U	0.041 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	15 U	28 U	--	--	12 J	0.32 U	0.33 U	0.04 U	18 U	1.7 U	--	--	0.73 U	0.035 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	20	23	--	--	50 J	0.3 U	0.13 U	0.03 U	95	1.2 U	--	--	3.5 J	0.054 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	4.1 U	5.4 J	--	--	29 U	1.6 U	0.17 U	0.053 U	15	0.4 U	--	--	2.9 U	0.038 U
1,2,3,7,8-PeCDD	ng/kg	--	--	1.7 J	1.5 J	--	--	4.7 J	0.2 U	0.084 U	0.042 U	1.7 U	0.37 U	--	--	0.82 U	0.071 U
1,2,3,7,8-PeCDF	ng/kg	--	--	2 U	3.5 U	--	--	1 U	0.15 U	0.78 U	0.036 U	3.1 U	0.26 J	--	--	0.18 U	0.084 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	12 J	5.7 U	--	--	16	0.56 U	0.12 U	0.055 U	30	1.7 U	--	--	1.3 J	0.052 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	5.3 U	1.7 U	--	--	2 U	0.18 U	0.21 U	0.066 U	13 U	0.76 U	--	--	0.25 U	0.048 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	160 U	250 U	--	--	400 U	17 U	4.5 U	0.15 U	540 U	1.4 U	--	--	25 U	0.066 U
2,3,4,7,8-PeCDF	ng/kg	--	--	2 U	3.5 U	--	--	1.1 U	0.16 U	0.84 U	0.039 U	7.8 J	0.24 U	--	--	2 U	0.091 U
2,3,7,8-TCDD	ng/kg	--	--	0.15 U	0.068 U	--	--	0.16 U	0.056 U	0.03 U	0.023 U	0.5 U	0.083 U	--	--	0.19 U	0.052 U
2,3,7,8-TCDF	ng/kg	--	--	0.93 U	0.2 U	--	--	1.4 J	0.12 U	0.26 U	0.076 U	2.6 J	0.2 U	--	--	0.7 J	0.24 J
OCDD	ng/kg	--	--	10000	5500	--	--	17000	510	73	1.8 U	39000	120 U	--	--	660	1.2 U
OCDF	ng/kg	--	--	150	310	--	--	620 J	17 J	6.6 J	0.037 U	710	3.4 U	--	--	21 J	0.095 U
TEQ Avian	ng/kg	--	--	16	20	--	--	36	1.4	0.93	0.11 U	58	0.78	--	--	4	0.37
TEQ Human	ng/kg	--	--	27	26	--	--	58	1.9	0.58	0.067 U	100	0.75	--	--	3.9	0.12
TEQ Mammals	ng/kg	--	--	27	26	--	--	58	1.9	0.58	0.067 U	100	0.75	--	--	3.9	0.12
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.2 U	2.4 UJ	2.4 U	2.2 U	2.2 U	2.6 U	2.6 U	2.2 U	2.2 U	2.2 U	2.5 U	2.1 U	2.4 U	2.4 U	2.3 U
Arsenic	mg/kg	2.3	2	3.4	2.7	1.9	1.9	5.1	3.6	2.2	2	5	7.1	3.3	3.3	5.2	1.7
Barium	mg/kg	55	120	170	170	55	43	230	180	110	120	170	190	74	42	210	65
Beryllium	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	1.3	1.2 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.22 U	0.24 U	0.28	0.22 U	0.22 U	0.26 U	0.26 U	0.22 U	0.22 U	0.22 U	0.25 U	0.21 U	0.24 U	0.24 U	0.23 U
Chromium, total	mg/kg	11	13	30	29	11	7.9	39	21	13	16	35	12	13	19	33	12
Cobalt	mg/kg	5.9	7.3	9.2	6.7	7.3	4.5	9.4	9.2	7.5	9.1	9	6.3	6.8	9	8.1	8
Copper	mg/kg	5.7	7.6	14	15	7.7	4.9	18	14	7.9	14	15	10	11	25	17	8.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.7	1.5	7.4	8.8	1.1	1.3	11	3.8	2.6	2	8.9	8.2	3.6	3.1	17	2
Mercury	mg/kg	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.13 U	0.13 U	0.11 U	0.11 U	0.11 U	0.13 U	0.11 U	0.12 U	0.12 U	0.11 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U
Nickel	mg/kg	6.9	8.7	15	11	8	5.6	16	12	8.8	11	15	9.8	9.2	14	15	9.2
Selenium	mg/kg	1.1 U	1.1 U	1.2 UJ	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U
Silver	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U
Thallium	mg/kg	2.2 U	2.2 U	2.4 U	2.4 U	2.2 U	2.2 U	2.6 U	2.6 U	2.2 U	2.2 U	2.2 U	2.5 U	2.1 U	2.4 U	2.4 U	2.3 U
Vanadium	mg/kg	28	29	40	29	28	19	41	38	31	38	35	23	24	35	35	36
Zinc	mg/kg	24	33	56	49	27	21	69	42	37	42	59	43	33	40	59	33
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27
	SAMPLE	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
4,4-DDE	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
4,4-DDT	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
Aldrin	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
beta-BHC	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
delta-BHC	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
Dieldrin	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
Endrin	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U	2.2 U	--	--	--	--	2.4 U	2.3 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
Heptachlor	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U	1.1 U	--	--	--	--	1.2 U	1.1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	6.5 U	6.5 U	5.5 U	5.6 U	--	--	--	--	6 U	5.6 U
Toxaphene	ug/kg	--	--	--	--	--	--	65 U	65 U	55 U	56 U	--	--	--	--	60 U	56 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	43 U	43 U	--	--	--	--	--	--	40 U	37 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	21 U	21 U	--	--	--	--	--	--	20 U	19 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Acenaphthene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Acenaphthylene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Anthracene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	14 JH	6.1 R	--	--	72	7.5 U	6.4 U	6.4 U	21 JH	7.2 R	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	7.2 J	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	9.8 J	6.2 R	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	8 J	5.3 R	--	--	65 U	6.5 U	5.5 U	5.5 U	14 J	6.2 R	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	17 J	5.3 R	--	--	65 U	6.5 U	5.5 U	5.5 U	31 J	6.2 R	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27
	SAMPLE	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	6 R	5.3 R	--	--	65 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	7.6 J	5.3 R	--	--	65 U	6.5 U	5.5 U	5.5 U	13 J	6.2 R	--	--	--	--
Chrysene	ug/kg	--	--	11 J	5.3 R	--	--	10	6.5 U	5.5 U	5.5 U	16 J	6.2 R	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	6 R	5.3 R	--	--	65 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Fluoranthene	ug/kg	--	--	21 J	5.3 R	--	--	16	6.5 U	5.5 U	5.5 U	26 J	6.2 R	--	--	--	--
Fluorene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	6 R	5.3 R	--	--	65 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
Naphthalene	ug/kg	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U	5.5 U	5.6 R	6.2 R	--	--	--	--
PAH High molecular weight	ug/kg	--	--	87.8	0 R	--	--	40	0	0	0	133	0 R	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	10	0 R	--	--	7.8	0	0	0	12	0 R	--	--	--	--
Phenanthrene	ug/kg	--	--	10 J	5.3 R	--	--	7.8	6.5 U	5.5 U	5.5 U	12 J	6.2 R	--	--	--	--
Pyrene	ug/kg	--	--	16 J	5.3 R	--	--	14	6.5 U	5.5 U	5.5 U	23 J	6.2 R	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27
	SAMPLE	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27
	SAMPLE	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30
	SAMPLE	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.6 J	0.27 J	5700	16	8 J	0.65 U	2900	2.8 J	2.7 J	17	--	--	--	--	--	5200
1,2,3,4,6,7,8-HpCDF	ng/kg	0.068 U	0.028 U	28 U	0.16 U	0.71 U	0.076 U	280	0.12 U	0.69 J	0.75 U	--	--	--	--	--	460
1,2,3,4,7,8-HxCDD	ng/kg	0.055 U	0.08 U	23	0.19 U	0.2 U	0.034 U	13 U	0.74 J	0.2 U	0.15 U	--	--	--	--	--	22
1,2,3,4,7,8-HxCDF	ng/kg	0.058 U	0.022 U	74 U	0.21 U	0.19 U	0.044 U	12 U	0.13 U	0.3 J	0.072 U	--	--	--	--	--	34
1,2,3,4,7,8,9-HpCDF	ng/kg	0.086 U	0.035 U	35 U	0.2 U	0.14 U	0.097 U	5 U	0.14 U	0.29 U	0.11 U	--	--	--	--	--	24
1,2,3,6,7,8-HxCDD	ng/kg	0.055 U	0.029 U	180	0.19 U	0.19 U	0.033 U	68	0.14 U	0.072 U	0.23 U	--	--	--	--	--	5.8 U
1,2,3,6,7,8-HxCDF	ng/kg	0.15 U	0.02 U	68 U	1.2 U	0.33 U	0.041 U	12 U	0.13 U	0.36 U	0.14 U	--	--	--	--	--	32
1,2,3,7,8-PeCDD	ng/kg	0.089 U	0.037 U	14	0.094 U	0.097 U	0.072 U	2.4 U	0.095 U	0.2 U	0.09 U	--	--	--	--	--	12 J
1,2,3,7,8-PeCDF	ng/kg	0.058 U	0.032 U	8.9 J	0.13 U	0.12 U	0.064 U	10 J	0.15 U	0.14 U	0.092 U	--	--	--	--	--	8.8 U
1,2,3,7,8,9-HxCDD	ng/kg	0.052 U	0.027 U	53	0.27 U	0.18 U	0.032 U	12 U	0.13 U	0.18 U	0.15 U	--	--	--	--	--	49
1,2,3,7,8,9-HxCDF	ng/kg	0.068 U	0.026 U	86 U	0.24 U	0.22 U	0.051 U	14 U	0.27 U	0.26 U	0.084 U	--	--	--	--	--	9.1 U
2,3,4,6,7,8-HxCDF	ng/kg	0.34 U	0.29 U	1000 U	8.2 U	4.8 U	0.15 U	600 U	2.5 U	1 U	1.3 U	--	--	--	--	--	890 U
2,3,4,7,8-PeCDF	ng/kg	0.063 U	0.035 U	15	0.14 U	0.13 U	0.069 U	4.1 U	0.16 U	0.15 U	0.17 U	--	--	--	--	--	13
2,3,7,8-TCDD	ng/kg	0.04 U	0.053 U	1 U	0.056 U	0.19 U	0.066 U	0.39 U	0.084 U	0.27 U	0.12 U	--	--	--	--	--	0.5 J
2,3,7,8-TCDF	ng/kg	0.069 U	0.19 U	2.7 J	0.11 U	0.23 J	0.15 U	1.2 U	1.1 U	1.2 J	0.61 U	--	--	--	--	--	7
OCDD	ng/kg	4.4 J	1.5 U	47000	130	82	1.8 U	30000	24 J	29	370	--	--	--	--	--	14000
OCDF	ng/kg	0.56 U	0.076 U	1500	4.7 J	4 J	0.23 U	1300	0.8 U	1.1 U	2.4 J	--	--	--	--	--	980
TEQ Avian	ng/kg	0.17	0.18	110	0.75	0.76	0.2 U	47	0.93	1.7	0.65	--	--	--	--	--	100
TEQ Human	ng/kg	0.13	0.088	180	0.83	0.6	0.11 U	84	0.45	0.56	0.55	--	--	--	--	--	140
TEQ Mammals	ng/kg	0.13	0.088	180	0.83	0.6	0.11 U	84	0.45	0.56	0.55	--	--	--	--	--	140
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	8.76	8.68	8.58	9.54	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	2 U	2 U	2.1 U	--	2.1 U	2.4 UJ
Arsenic	mg/kg	1.4	1.9	5.1	4.6	1.3	1.8	4.3	4.2	5.4	2.7	4.4	3.2	4.2	4.2	--	5.5
Barium	mg/kg	53	78	270	150	96	110	160	210	350	74	140	99	170	130	--	220
Beryllium	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	1 U	1 U	2.1 U	--	1.1 U	1.2 U
Cadmium	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	1 U	1 U	1 U	--	1.1 U	1.2 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.23 U	0.3	0.23 U	0.22 U	0.22 U	0.26 U	0.27 U	0.31 U	0.24 UJ	0.42	0.4 U	0.42 U	--	0.42 U	0.24 U
Chromium, total	mg/kg	9.7	15	49	18	18	18	33	17	27	11	25	25	23	22	--	42
Cobalt	mg/kg	6.3	7.4	9.2	6.8	7.8	8.9	8.7	8.7	14	7.3	6.4	7.5	11	9.3	--	7.3
Copper	mg/kg	9	7.4	19	10	8.3	11	15	13	23	7.1	11	9.8	9.6	8.8	--	18
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.3	2.2	14	4.2	1.4	2.1	8.3	5.2	7.6	1.2 U	7.3	4	2.2	2.3	--	17 J
Mercury	mg/kg	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.13 U	0.14 U	0.15 U	0.12 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.12 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	1 U	1 U	2.1 U	--	1.1 U	1.2 UJ
Nickel	mg/kg	7	12	17	9.9	12	11	14	13	19	9.6	12	13	14	14	--	14
Selenium	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	1 U	1 U	1 U	--	1.1 U	1.2 UJ
Silver	mg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	1 U	1 U	2.1 U	--	1.1 U	1.2 U
Thallium	mg/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	2 U	2 U	4.1 U	--	2.1 U	2.4 UJ
Vanadium	mg/kg	26	30	39	32	29	36	38	31	46	32	27	30	36	37	--	28
Zinc	mg/kg	29	31	73	38	33	39	56	49	66	29	51	38	43	41	--	61
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30
	SAMPLE	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
4,4-DDE	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
Aldrin	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
alpha-BHC	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
beta-BHC	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
delta-BHC	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U	2.4 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
Heptachlor	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U	1.2 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.3 U	5.7 U	6 U	5.8 U	5.4 U	5.6 U	6.6 U	6.8 U	7.7 U	6.1 U	--	--	--	--	--	--
Toxaphene	ug/kg	53 U	57 U	60 U	58 U	54 U	56 U	66 U	68 U	77 U	61 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	39 U	38 U	--	--	43 U	45 U	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	20 U	19 U	--	--	22 U	22 U	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.2 U	--	5.3 U	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.2 U	--	5.3 U	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.2 U	--	5.3 U	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.2 U	--	5.3 U	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.2 U	--	5.3 U	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	32	5.8 U	6 U	--	6.1 U	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	22	5 U	5.2 U	--	5.3 U	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	20	5 U	5.2 U	--	5.3 U	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	24	5 U	5.2 U	--	5.3 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30
	SAMPLE	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	17	5 U	5.2 U	--	5.3 U	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	27	5 U	5.2 U	--	5.3 U	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	29	5 U	5.2 U	--	5.3 U	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.9	5 U	5.2 U	--	5.3 U	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	34	5 U	5.2 U	--	5.3 U	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.2 U	--	5.3 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	14	5 U	5.2 U	--	5.3 U	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5 U	5.1 U	--	4.7 U	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	223	0	0	--	0	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	14	0	0	--	0	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	14	5 U	5.2 U	--	5.3 U	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	30	5 U	5.2 U	--	5.3 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	670 U	660 U	680 U	--	690 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	670 U	660 U	680 U	--	690 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30
	SAMPLE	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.2 U	0.95 U	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	21.6 J	10.7 J	10 U	--	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	5.6 U	5.1 U	--	4.7 U	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	5.6 U	5.1 U	--	4.7 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	5.6 U	5.1 U	--	4.7 U	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	5.6 U	5.1 U	--	4.7 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	--	1700 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	56 U	51 U	--	47 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	110 U	100 U	--	94 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	56 U	51 U	--	47 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30
	SAMPLE	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	5.6 U	5.1 U	--	4.7 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	56 U	51 U	--	47 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	56 U	51 U	--	47 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	330 U	340 U	--	350 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	5.1 U	--	4.7 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7
	SAMPLE	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273
	DATE	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.77 U	--	--	--	--	--	--	--	--	--	--	--	2100 J	570 J	200	100
1,2,3,4,6,7,8-HpCDF	ng/kg	2.4 J	--	--	--	--	--	--	--	--	--	--	--	210 J	85 J	16	8.2 J
1,2,3,4,7,8-HxCDD	ng/kg	0.46 U	--	--	--	--	--	--	--	--	--	--	--	14 J	3.1 J	0.87 J	0.85 J
1,2,3,4,7,8-HxCDF	ng/kg	0.63 U	--	--	--	--	--	--	--	--	--	--	--	14 J	2 UJ	1.8 J	0.94 J
1,2,3,4,7,8,9-HpCDF	ng/kg	0.22 U	--	--	--	--	--	--	--	--	--	--	--	8.4 UJ	6.7 UJ	2.1 J	1.1 J
1,2,3,6,7,8-HxCDD	ng/kg	0.32 U	--	--	--	--	--	--	--	--	--	--	--	75 J	0.79 UJ	5.6 J	2.9 J
1,2,3,6,7,8-HxCDF	ng/kg	0.49 U	--	--	--	--	--	--	--	--	--	--	--	14 J	5.2 UJ	3.2 U	0.27 U
1,2,3,7,8-PeCDD	ng/kg	0.87 J	--	--	--	--	--	--	--	--	--	--	--	5.3 UJ	0.37 UJ	0.35 U	--
1,2,3,7,8-PeCDF	ng/kg	0.23 U	--	--	--	--	--	--	--	--	--	--	--	4 UJ	1.5 UJ	0.19 U	--
1,2,3,7,8,9-HxCDD	ng/kg	0.64 U	--	--	--	--	--	--	--	--	--	--	--	25 J	7.9 J	2 U	--
1,2,3,7,8,9-HxCDF	ng/kg	0.93 U	--	--	--	--	--	--	--	--	--	--	--	5.5 UJ	2.3 UJ	0.59 J	0.26 U
2,3,4,6,7,8-HxCDF	ng/kg	7.8 U	--	--	--	--	--	--	--	--	--	--	--	350 UJ	2.5 UJ	37 U	--
2,3,4,7,8-PeCDF	ng/kg	0.46 U	--	--	--	--	--	--	--	--	--	--	--	5.5 UJ	1.5 UJ	0.39 U	--
2,3,7,8-TCDD	ng/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	0.31 UJ	0.1 UJ	0.17 J	0.051 U
2,3,7,8-TCDF	ng/kg	0.65 J	--	--	--	--	--	--	--	--	--	--	--	2 UJ	0.2 UJ	0.26 J	0.19 J
OCDD	ng/kg	98 B	--	--	--	--	--	--	--	--	--	--	--	16000 J	8000 J	2600	1100
OCDF	ng/kg	3.6 J	--	--	--	--	--	--	--	--	--	--	--	510 J	200 J	74	32
TEQ Avian	ng/kg	2.9	--	--	--	--	--	--	--	--	--	--	--	37	5	3.9	2
TEQ Human	ng/kg	2.2	--	--	--	--	--	--	--	--	--	--	--	64	11	6.4	3.1
TEQ Mammals	ng/kg	2.2	--	--	--	--	--	--	--	--	--	--	--	64	11	6.4	3.1
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	8.06	8.28	8.69	8.94	9.43	8.58	8.26	9.55	--	7.74	7.89	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.4 U	2.3 U	2.3 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	--	5.7 U	5.8 U	2 U	2.1 U
Arsenic	mg/kg	3.4	3.7	2.7	4.4	2.9	4	5.1	3.7	3.5	3.9	4.7	--	13	9.3	2.2	--
Barium	mg/kg	140	210	49	180	76	60	81	160	130	120	110	--	320	230	74	--
Beryllium	mg/kg	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	2.1 U	1 U	1 U	1 U	2.1 U	--	2.8 U	2.9 U	1 U	1 U
Cadmium	mg/kg	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	2.8 U	2.9 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.26	0.23 U	0.23 U	1.3	0.41 U	0.42 U	0.43 U	0.45	0.41 U	0.42 U	0.43 U	--	2.6	0.61 U	0.29	0.36
Chromium, total	mg/kg	14	12	8.8	36	24	23	22	35	31	26	--	24	71	21	18	--
Cobalt	mg/kg	6	6	5.8	8.3	5.8	9.4	9.7	8.7	7.4	9.9	9.2	--	7.7	6.3	6.3	7
Copper	mg/kg	8.7	8.4	7.8	13	8.3	8.4	7.6	12	9.6	8.4	--	7.3 U	22	14	18	8.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.7	2.9	1.2 U	9.4	3.6	2.7	2.3	6	7	2.7	3.2	--	23	8.7	8	1.7
Mercury	mg/kg	0.12 U	0.12 U	0.12 U	0.1 U	0.1 U	0.1 U	0.11 U	0.099 U	0.1 U	0.1 U	0.11 U	--	0.14 U	0.14 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	2.1 U	1 U	1 U	1 U	2.1 U	--	2.8 U	2.9 U	1 U	1 U
Nickel	mg/kg	11	9.6	6.3	16	9.5	14	15	15	12	15	15	--	18	13	9.6	10
Selenium	mg/kg	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	2.8 U	2.9 U	1 U	1 U
Silver	mg/kg	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	2.1 U	1 U	1 U	1 U	2.1 U	--	2.8 U	2.9 U	1 U	1 U
Thallium	mg/kg	2.4 U	2.3 U	2.3 U	2 U	2 U	2.1 U	4.3 U	2 U	2 U	2.1 U	4.2 U	--	5.7 U	5.8 U	2 U	2.1 U
Vanadium	mg/kg	22	23	19	33	23	37	35	34	30	41	35	--	37	31	24	25
Zinc	mg/kg	28	29	27	61	33	45	42	46	42	44	40	--	81	50	34	29
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7
	SAMPLE	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273
	DATE	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	9500	--	--	--	--	14000	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	20000	--	--	--	--	35000	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	6.7 U	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	18000	--	--	--	--	20000	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	7700	--	--	--	--	11000	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	300	--	--	--	--	420	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	3900	--	--	--	--	4000	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	360 U	--	--	--	--	660	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	2.8 U	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	1.4 U	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	--	--	--	--	7.1 U	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	--	--	--	--	71 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	33 U	--	--	--	--	47 U	--	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	23 U	--	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Acenaphthene	ug/kg	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Acenaphthylene	ug/kg	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Anthracene	ug/kg	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	--	--	--	30	5.9 U	6 U	6.1 U	5.8 U	12	6 U	6.1 U	--	9	9	5.9 U	6 U
Benzo (a) anthracene	ug/kg	--	--	--	12	5.1 U	5.2 U	5.3 U	5 U	5.7	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Benzo (a) pyrene	ug/kg	--	--	--	18	5.1 U	5.2 U	5.3 U	5 U	7.9	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Benzo (b) fluoranthene	ug/kg	--	--	--	27	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	11	10	5.1 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7
	SAMPLE	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273
	DATE	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	16	5.1 U	5.2 U	5.3 U	5 U	5.5	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Benzo (k) fluoranthene	ug/kg	--	--	--	16	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Chrysene	ug/kg	--	--	--	22	5.1 U	5.2 U	5.3 U	5 U	8.1	5.2 U	5.3 U	--	7.3	7.7	5.1 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	6.1	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Fluoranthene	ug/kg	--	--	--	31	5.1 U	5.2 U	5.3 U	5 U	9.3	5.2 U	5.3 U	--	10	19	5.1 U	5.2 U
Fluorene	ug/kg	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	14	5.1 U	5.2 U	5.3 U	5 U	5.1	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U
Naphthalene	ug/kg	--	--	--	5.1 U	5.1 U	4.8 U	4.4 U	5 U	5.1 U	5.1 U	5.3 U	--	7.1 U	6.4 U	5.1 U	5.2 U
PAH High molecular weight	ug/kg	--	--	--	189	0	0	0	0	50.9	0	0	--	38.3	51.7	0	0
PAH Low molecular weight	ug/kg	--	--	--	11	0	0	0	0	0	0	0	--	0	10	0	0
Phenanthrene	ug/kg	--	--	--	11	5.1 U	5.2 U	5.3 U	5 U	5.1 U	5.2 U	5.3 U	--	7.1 U	10	5.1 U	5.2 U
Pyrene	ug/kg	--	--	--	27	5.1 U	5.2 U	5.3 U	5 U	9.3	5.2 U	5.3 U	--	10	15	5.1 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	710 U	--	--	--	--	990 U	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	710 U	--	--	--	--	990 U	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2-Chlorophenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2-Methylphenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
2-Nitrophenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	710 U	--	--	--	--	990 U	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
3-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	670 U	670 U	680 U	700 U	670 U	670 U	690 U	700 U	--	940 U	960 U	--	--
4-Chloroaniline	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
4-Methylphenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
4-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
4-Nitrophenol	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	--	2300 U	2400 U	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	710 U	--	--	--	--	990 U	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	710 U	--	--	--	--	990 U	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	710 U	--	--	--	--	990 U	--	--	--
Benzoic acid	ug/kg	--	--	--	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	--	2300 UJ	2400 U	--	--
Benzyl alcohol	ug/kg	--	--	--	670 U	670 U	680 U	700 U	670 U	670 U	690 U	700 U	--	940 U	960 U	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Butylbenzylphthalate	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	470 U	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	470 U	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Dibenzofuran	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Diethyl phthalate	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Dimethyl phthalate	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Hexachlorobenzene	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Hexachloroethane	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7
	SAMPLE	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273
	DATE	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Pentachlorophenol	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
Phenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	15.8	10 U	10 U	10 U	28.9	10.5	10 U	10 U	--	10 U	10 U	--	--
TPH as gasoline	mg/kg	--	--	--	--	0.92 U	1 U	1 U	--	0.98 U	0.92 U	1.2 U	--	--	1.3 U	--	--
TPH as motor oil	mg/kg	--	--	--	17.8 J	10 U	10 U	10 U	30.1 J	22.6 J	10 U	10 U	--	17.5	16.3	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U	5.1 U	6.2 U	--	470 U	6.4 U	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U	5.1 U	6.2 U	--	470 U	6.4 U	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U	5.1 U	6.2 U	--	470 U	6.4 U	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U	5.1 U	6.2 U	--	470 U	6.4 U	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	470 U	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	52 U	--	--	--	--	64 U	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U	1700 U	1700 U	--	2300 U	2300 U	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Acetone	ug/kg	--	--	--	--	51 U	48 U	44 U	--	52 U	51 U	62 U	--	--	64 U	--	--
Acrolein	ug/kg	--	--	--	--	100 U	96 U	89 U	--	100 U	100 U	120 U	--	--	130 U	--	--
Acrylonitrile	ug/kg	--	--	--	--	51 U	48 U	44 U	--	52 U	51 U	62 U	--	--	64 U	--	--
Benzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Bromobenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Bromochloromethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Bromodichloromethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Bromoform	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Bromomethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Carbon disulfide	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Chloro methane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Chlorobenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Chloroethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7
	SAMPLE	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273
	DATE	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	10	0.5	3	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--	6.4 U	--	--
Dibromochloromethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Dibromomethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Ethyl- benzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Hexachlorobutadiene	ug/kg	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U	5.1 U	6.2 U	--	470 U	6.4 U	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	670 U	--	--	--	--	940 UJ	--	--	--
Isophorone	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
Isopropylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--	6.4 U	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	51 U	48 U	44 U	--	52 U	51 U	62 U	--	--	64 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	51 U	48 U	44 U	--	52 U	51 U	62 U	--	--	64 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--	6.4 U	--	--
Methylene chloride	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
N-Butylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
N-Propylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Nitrobenzene	ug/kg	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U	340 U	350 U	--	470 U	480 U	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Styrene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Tetrachloroethene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Toluene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Trichloroethene	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Vinyl chloride	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Xylene, m,p-	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Xylene, o-	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--
Xylenes, total	ug/kg	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U	5.1 U	6.2 U	--	--	6.4 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a
	SAMPLE	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	2	14	19	19	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE				Field Duplicate			Field Duplicate					Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	2.7 U	5 J	--	--	--	--	730	1400	--	--	--	920	17	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.094 U	0.36 U	--	--	--	--	55	110	--	--	--	78	1.8 U	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.24 J	0.075 U	--	--	--	--	3.2 U	6.9 J	--	--	--	3.7 J	0.33 U	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.081 U	0.084 U	--	--	--	--	4.9 U	6.4 J	--	--	--	11 U	0.41 U	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.12 U	0.15 U	--	--	--	--	2.8 U	7.6 J	--	--	--	6.7 U	0.19 U	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.074 U	0.074 U	--	--	--	--	15	30	--	--	--	22	0.71 U	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.075 U	0.078 U	--	--	--	--	4.3 U	6 J	--	--	--	9.7 U	0.36 U	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.095 U	0.085 U	0.15 U	--	--	--	1.5 U	1.8 U	--	--	--	0.23 U	0.13 U	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.038 U	0.12 U	0.12 U	--	--	--	0.73 U	2.9 U	--	--	--	1.2 U	0.15 U	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.071 U	0.07 U	1.3 J	--	--	--	5.9 J	14	--	--	--	7.7 J	0.29 U	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.094 U	0.098 U	--	--	--	--	5.6 U	2.5 J	--	--	--	1.8 U	0.47 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.28 U	1 U	17 U	--	--	--	120 U	180 U	--	--	--	220 U	3.9 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.041 U	0.13 U	0.13 U	--	--	--	0.63 U	3.7 U	--	--	--	1.9 U	0.15 U	--	--	--
2,3,7,8-TCDD	ng/kg	0.068 U	0.05 U	--	--	--	--	0.18 U	0.33 U	--	--	--	0.13 U	0.067 U	--	--	--
2,3,7,8-TCDF	ng/kg	0.052 U	0.037 U	--	--	--	--	0.66 U	3 J	--	--	--	1.5 J	0.096 U	--	--	--
OCDD	ng/kg	23 U	54	--	--	--	--	9900	18000	--	--	--	10000	150 B	--	--	--
OCDF	ng/kg	0.6 U	1.5 J	--	--	--	--	170	270	--	--	--	220	5.1 J	--	--	--
TEQ Avian	ng/kg	0.18	0.24	--	--	--	--	11	23	--	--	--	19	0.55	--	--	--
TEQ Human	ng/kg	0.17	0.23	--	--	--	--	21	38	--	--	--	29	0.68	--	--	--
TEQ Mammals	ng/kg	0.17	0.23	--	--	--	--	21	38	--	--	--	29	0.68	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.66
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2.2 U	2 U	2 U	2.1 U	--	2.2 U	2.2 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	6.7	7.1	4.3	3	3.9	--	3.8	2.5	1.4	--	2.2	4	3.5	2.4	2.4	6.5
Barium	mg/kg	150	540	91	210	460 J	--	180	110	82	92	--	200	190	110	100	100
Beryllium	mg/kg	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	2 U
Cadmium	mg/kg	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.36	--	0.21 U	0.21 U	--	0.22 U	0.44	0.24	0.21 U	--	0.22 U	1.2	0.21 U	0.21 U	0.41 U
Chromium, total	mg/kg	15	24	23	19	20	--	21	28	18	15 J	--	35	66	17	13	19
Cobalt	mg/kg	3.3	10	--	10	9.1	--	7.1	9.3	9.6	--	8.7	8.3	8.1	8.5	7.9	7.3
Copper	mg/kg	6.2	23	--	8.4	--	8.7	14	10	8.4	9.3	--	17	16	9.5	10	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.2	1.4	--	2.4	1.8	--	8.3	4.5	3.2	1.1	--	9.3	11	3	1.1 U	4.9
Mercury	mg/kg	0.1 U	0.1 U	--	0.1 U	--	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	2 U
Nickel	mg/kg	7.5	18	--	16	14	--	13	12	10	--	9.5	15	14	11	10	14
Selenium	mg/kg	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U	1.1 UJ	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Silver	mg/kg	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	2 U
Thallium	mg/kg	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2.2 U	2 U	2 U	2.1 U	--	2.2 U	2.2 U	2.1 U	2.1 U	4 U
Vanadium	mg/kg	15	41	--	33	34	--	32	37	32	32	--	33	33	37	28	30
Zinc	mg/kg	15	26	--	39	38	--	53	45	35	--	37	61	57	37	32	38
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a
	SAMPLE	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	2	14	19	19	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE				Field Duplicate			Field Duplicate					Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9800
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17000
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8100
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	270
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2600
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	260
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 UJ	18 UJ	--	--	17 U
Aroclor 1221	ug/kg	34 U	35 U	--	35 U	35 U	--	--	--	--	--	--	36 UJ	35 UJ	--	--	33 U
Aroclor 1232	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 UJ	18 UJ	--	--	17 U
Aroclor 1242	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 UJ	18 UJ	--	--	17 U
Aroclor 1248	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 UJ	18 UJ	--	--	17 U
Aroclor 1254	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 UJ	18 UJ	--	--	17 U
Aroclor 1260	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 UJ	18 UJ	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Total PCBs	ug/kg	17 U	17 U	--	17 U	17 U	--	--	--	--	--	--	18 U	18 U	--	--	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Acenaphthene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Anthracene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
B(a)P Equivalent	ug/kg	6 U	6.1 U	--	6 U	6.1 U	--	--	--	--	--	--	--	--	--	--	5.8 U
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a
	SAMPLE	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	2	14	19	19	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE				Field Duplicate			Field Duplicate					Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Chrysene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Fluoranthene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Fluorene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Naphthalene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
PAH High molecular weight	ug/kg	0	0	--	0	0	--	--	--	--	--	--	--	--	--	--	0
PAH Low molecular weight	ug/kg	0	0	--	0	0	--	--	--	--	--	--	--	--	--	--	0
Phenanthrene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Pyrene	ug/kg	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--	--	--	--	--	--	--	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 UJ
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a
	SAMPLE	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	2	14	19	19	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE				Field Duplicate			Field Duplicate					Field Duplicate					
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a
	SAMPLE	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	2	14	19	19	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	15	20	20	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE				Field Duplicate			Field Duplicate					Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	670 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e
	SAMPLE	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	0.5	3	6
	SAMPLE TYPE								Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	670	29	4.5 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	68	3 U	0.79 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4 J	0.65 U	0.26 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3 U	0.85 U	0.18 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	0.52 U	0.14 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	15	0.58 U	0.3 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4 J	0.72 U	0.16 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 J	0.25 U	0.16 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.8 U	0.4 U	0.095 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	8.9 J	0.62 U	0.31 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3.5 U	31 U	0.21 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	84 U	2.7 J	0.18 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.31 U	0.28 U	0.074 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.23 J	0.13 U	0.062 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12 U	0.14 U	0.1 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6300	190	51
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	120	2.2 U	1.2 U
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	11	2.4	0.28
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	19	2.6	0.27
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	19	2.6	0.27
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.85	8.83	9.03	9.18	9.04	8.87	9.66	--	9.24	9.47	8.94	9.15	--	9.3	9.5	9.5
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U	2.1 U	2 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	3.2	3.5	2.4	2.9	2.9	3	2.6	--	3.2	--	3.1	2.8	3	2.7	2.7	1.9
Barium	mg/kg	120	110	88	88	210	99	120	--	120	--	97	120	170	37	32	22
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.4 U	0.41 U	1.9 U	0.4	0.4 U	--	0.6	4.8 J	0.45	0.42 U	--	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	27	26	14	43 J	98	28	42	--	44	--	46	20	150	26	18	16
Cobalt	mg/kg	7.7	7.2	7.3	8.4	7.5	7.2	8	--	7.4	--	7.2	8.6	8.2	7.5	9.8	6.6
Copper	mg/kg	8.6	9.5	7.5	--	12	9	11	10	13	--	15	11	29	13	10	7.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.8	3.4	1.4	--	3.9	3.2	2.6	3.2	7.5	--	5	1.9	32 J	3.3	2	1.1
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	0.1 U
Molybdenum	mg/kg	2	2	1 U	1 U	1 U	1.7	5	--	1.9	2.5	3	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	13	12	9.5	--	16	12	14	16	11	--	12	13	14 J	16	15	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U	2.1 U	2 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	29	29	29	36	33	31	30	--	33	33	27	33	--	23	30	23
Zinc	mg/kg	37	34	32	--	67	31	32	32	53	--	44	38	110 J	37	40	30
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e
	SAMPLE	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE									Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	8100	9100	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	16000	--	--	--	--	22000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	19000	--	--	--	--	16000	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	6500	6600	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	240	250	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2500	3800	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	250	--	--	--	--	340	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	5.1 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	51 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	17 U	17 U	--
Aroclor 1221	ug/kg	--	--	--	33 U	--	--	--	--	34 U	--	--	--	--	34 U	34 U	--
Aroclor 1232	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	17 U	17 U	--
Aroclor 1242	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	17 U	17 U	--
Aroclor 1248	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	17 U	17 U	--
Aroclor 1254	ug/kg	--	--	--	17 U	--	--	--	--	75	--	--	--	--	17 U	17 U	--
Aroclor 1260	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	17 U	--	--	--	--	83.5	--	--	--	--	17 U	17 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	5.1 U	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5.2	--	5.1 U	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	5.1 U	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	5.1 U	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Anthracene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	9.7	--	5.1 U	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.9 U	5.8 U	6 U	5.8 U	6.3	--	43	--	12	6 U	14	6 U	6 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	8.1	--	24	--	6	5.2 U	9.4	5.2 U	5.2 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	26	--	7.3	5.2 U	8.3	5.2 U	5.2 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	26	--	7.8	5.2 U	12	5.2 U	5.2 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e
	SAMPLE	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE									Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	23	--	7.5	5.2 U	6.3	5.2 U	5.2 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	31	10	10	5.2 U	--	5.2 U	5.2 U	5.1 U
Chrysene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	7.8	--	32	--	9.6	5.2 U	12	5.2 U	5.2 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	9.1	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Fluoranthene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	28	--	48	--	11	5.2 U	21	5.2 U	5.2 U	5.1 U
Fluorene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	7.9	--	5.1 U	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	21	--	6.4	5.2 U	5.6	5.2 U	5.2 U	5.1 U
Naphthalene	ug/kg	5 U	5 U	5.1 U	5 U	4.9 U	5 U	4.8 U	--	5.1 U	--	4.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	69.9	--	282	--	75.6	0	99.7	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	97.8	--	20	--	0	0	7.1	0	0	0
Phenanthrene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	75	--	20	--	5.1 U	5.2 U	7.1	5.2 U	5.2 U	5.1 U
Pyrene	ug/kg	5 U	5 U	5.1 U	5 U	5.2 U	5 U	26	--	42	--	10	5.2 U	17	5.2 U	5.2 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	710 U	--	--	--	--	710 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	710 U	--	--	--	--	710 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	710 U	--	--	--	--	710 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	660 U	660 U	670 U	670 U	680 U	660 U	660 U	--	670 U	690 U	680 U	690 U	--	--	--	--
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	710 U	--	--	--	--	710 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	710 U	--	--	--	--	710 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	710 U	--	--	--	--	710 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	660 U	660 U	670 U	670 U	680 U	660 U	660 U	--	670 U	690 U	680 U	690 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	330 U	--	--	--	--	340 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	340 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e
	SAMPLE	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE									Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
Phenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	21.3	10 U	10 U	--	10 U	--	10 U	10 U	15	--	--	--
TPH as gasoline	mg/kg	1.3 U	63 U	1 U	--	1.2 U	1.2 U	0.89 U	--	--	1.1 U	0.96 U	0.89 U	--	--	--	--
TPH as motor oil	mg/kg	10 U	15.5	10 U	10 U	276	21	34.4	--	26.2	--	36.5	10 U	104	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1-Dichloroethene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1-Dichloropropene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1,1-Trichloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1,2-Trichloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2-Dibromoethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2-Dichlorobenzene	ug/kg	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U	--	4.1 U	5.8 U	5 U	--	--	--
1,2-Dichloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2-Dichloropropane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2,3-Trichloropropane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U	--	4.1 U	5.8 U	5 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,3-Dichlorobenzene	ug/kg	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U	--	4.1 U	5.8 U	5 U	--	--	--
1,3-Dichloropropane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
1,4-Dichlorobenzene	ug/kg	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U	--	4.1 U	5.8 U	5 U	--	--	--
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	340 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
2-Hexanone	ug/kg	70 U	--	--	--	49 U	--	--	--	--	--	--	--	50 U	--	--	--
2,2-Dichloropropane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1700 U	1600 U	1700 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
4-Isopropyltoluene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Acetone	ug/kg	70 U	--	53 U	--	49 U	57 U	--	--	--	--	41 U	58 U	50 U	--	--	--
Acrolein	ug/kg	140 U	100 U	110 U	--	97 U	110 U	97 U	--	--	--	83 U	120 U	99 U	--	--	--
Acrylonitrile	ug/kg	70 U	50 U	53 U	--	49 U	57 U	48 U	--	--	--	41 U	58 U	50 U	--	--	--
Benzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Bromobenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Bromochloromethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Bromodichloromethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Bromoform	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Bromomethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Carbon disulfide	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Carbon tetrachloride	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Chloro methane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Chlorobenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Chloroethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e
	SAMPLE	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE									Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Cyclohexane	ug/kg	7 U	--	--	--	4.9 U	--	--	--	--	--	--	--	5 U	--	--	--
Dibromochloromethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Dibromomethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Dichlorodifluoromethane	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Ethyl- benzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Hexachlorobutadiene	ug/kg	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U	--	4.1 U	5.8 U	5 U	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	670 U	--	--	--	--	670 U	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
Isopropylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Methyl acetate	ug/kg	7 U	--	--	--	4.9 U	--	--	--	--	--	--	--	5 U	--	--	--
Methyl ethyl ketone	ug/kg	70 U	50 U	53 U	--	49 U	57 U	48 U	--	--	--	41 U	58 U	50 U	--	--	--
Methyl isobutyl ketone	ug/kg	70 U	50 U	53 U	--	49 U	57 U	48 U	--	--	--	41 U	58 U	50 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Methylcyclohexane	ug/kg	7 U	--	--	--	4.9 U	--	--	--	--	--	--	--	5 U	--	--	--
Methylene chloride	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
N-Butylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
N-Propylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U	340 U	340 U	340 U	--	--	--	--
p-Chlorotoluene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
sec-Butylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Styrene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
tert-Butylbenzene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Tetrachloroethene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Toluene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Trichloroethene	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Vinyl chloride	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Xylene, m,p-	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Xylene, o-	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--
Xylenes, total	ug/kg	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--	--	4.1 U	5.8 U	5 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a
	SAMPLE	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016
	DATE	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	9	0	2	5	9	0	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	1	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
SAMPLE TYPE				Field Duplicate						Field Duplicate	Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	28	--	--	550	2.5 J	7.7 J	9.6 J	--	--	650 J	590	160	91	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	3.6 U	--	--	74	0.27 U	0.12 U	0.56 U	--	--	21	78	34	9.1 J	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.38 U	--	--	3.6 J	0.037 U	0.25 U	0.33 U	--	--	--	2.7 J	0.37 U	0.34 U	1.4 J	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.34 U	--	--	11 U	0.055 U	0.4 U	0.16 U	--	--	1.2 J	3.6 J	0.7 U	0.27 U	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	2 U	--	--	5.5 U	0.071 U	0.15 U	0.74 J	--	--	--	6 J	2.3 J	0.7 U	1.5 J	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.34 U	--	--	13	0.032 U	0.22 U	0.3 U	--	--	7.7 J	16	5.7 J	2.7 J	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.29 U	--	--	9.1 U	0.048 U	0.29 U	0.15 U	--	--	--	2.7 J	0.37 U	0.26 U	0.79 J	--	--
1,2,3,7,8-PeCDD	ng/kg	0.16 U	--	--	0.76 U	0.024 U	0.19 U	0.27 U	--	--	0.55 U	1.5 J	0.45 J	0.14 U	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.17 U	--	--	0.66 U	0.059 U	0.14 U	0.14 U	--	--	--	1.3 U	0.29 U	0.082 U	0.34 J	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.8 U	--	--	0.54 U	0.032 U	0.17 U	0.32 U	--	--	2.7 J	5.6 J	1.4 U	0.78 J	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.4 U	--	--	12 U	0.099 U	0.2 U	0.43 U	--	--	0.31 U	1.1 J	0.58 U	0.31 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	3.6 U	--	--	140 U	0.055 U	0.17 U	0.24 U	--	--	28 U	110 U	44 U	14 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.18 U	--	--	0.69 U	0.059 U	0.15 U	0.15 U	--	--	--	0.66 U	0.42 U	0.085 U	0.5 U	--	--
2,3,7,8-TCDD	ng/kg	0.12 U	--	--	0.11 U	0.03 U	0.2 U	0.1 U	--	--	0.066 U	0.12 U	0.05 U	0.027 U	--	--	--
2,3,7,8-TCDF	ng/kg	0.14 U	--	--	0.51 U	0.034 U	0.76 U	0.17 U	--	--	--	0.2 U	0.045 U	0.032 U	0.06 U	--	--
OCDD	ng/kg	240	--	--	6800	29	22 J	30	--	--	6900 J	7300	1600	610	--	--	--
OCDF	ng/kg	4.9 U	--	--	230	0.43 U	0.5 U	0.29 U	--	--	--	250	95	25	35	--	--
TEQ Avian	ng/kg	0.67	--	--	12	0.099	0.74	0.45	--	--	4.3	11	3.8	1.3	--	--	--
TEQ Human	ng/kg	0.86	--	--	19	0.092	0.43	0.43	--	--	12	19	6	2.4	--	--	--
TEQ Mammals	ng/kg	0.86	--	--	19	0.092	0.43	0.43	--	--	12	19	6	2.4	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.4	9.3	--	9.2	9.4	8.9	9.4	9.3	--	--	--	--	--	--	8.26	8.63
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.2 U	--	2.1 U	2.1 U	2.1 U	--	2 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	--	2.1	2.4	2.5	2.3	3.1	--	2.2	3.1	--	1 U	1 U	1 U	1.4	4	6
Barium	mg/kg	--	42	43	73	37	32	72	55	--	--	80	81	69	97	110	120
Beryllium	mg/kg	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	2 U
Cadmium	mg/kg	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	--	1.3	1.1	1.1	1.4	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.22 U	--	0.71	0.21 U	0.21 U	0.21 U	0.68	--	--	0.21 U	0.63	0.21 U	0.2 U	0.4 U	0.41 U
Chromium, total	mg/kg	20	17	--	49	20	24	--	29	30 J	--	30	23	14	26	26	28
Cobalt	mg/kg	8.1	6.8	--	6.6	7.6	8.9	11 J	7.6	--	9.9	9.4	7.1	6.7	--	7.1	8.7
Copper	mg/kg	--	11	13	13	7.2	11	--	9.2	11	14	13	9.2	9.2	--	10	10
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	1.3	1.5	5.5	1.5	2	--	2	2.6	--	1 U	1.1	1 U	4.1	4.8	4
Mercury	mg/kg	--	0.16	0.18	0.13	0.13	0.11	0.11	0.1 U	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	2 U
Nickel	mg/kg	14	13	--	13	19	18	14	13	--	--	17	9.9	8.8	15	12	15
Selenium	mg/kg	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	--	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U
Silver	mg/kg	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	--	1 UJ	1 UJ	1 UJ	1 UJ	1 U	2 U
Thallium	mg/kg	2.1 U	2.2 U	--	2.1 U	2.1 U	2.1 U	--	2 U	2 U	--	2.1 UJ	2.1 UJ	2.1 UJ	2 UJ	2 U	4 U
Vanadium	mg/kg	27	24	--	23	25	27	36 J	25	--	31	31	27	26	--	30	32
Zinc	mg/kg	32	28	--	41	32	40	46 J	34	--	36	32	30	29	--	38	42
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a
	SAMPLE	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016
	DATE	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	9	0	2	5	9	0	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	1	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
SAMPLE TYPE				Field Duplicate						Field Duplicate	Field Duplicate						
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	35 U	34 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6.2 U	--	6 U	6 U	6.1 U	--	5.9	5.9 U	--	--	--	--	--	5.8	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a
	SAMPLE	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016
	DATE	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	9	0	2	5	9	0	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	1	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
SAMPLE TYPE				Field Duplicate						Field Duplicate	Field Duplicate						
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Chrysene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.4	5.1 U	--	--	--	--	--	5.8	5.1 U
Fluorene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	--	0	0	0	0	10.5	--	--	--	--	--	--	5.8	0
PAH Low molecular weight	ug/kg	0	0	--	0	0	0	0	0	--	--	--	--	--	--	0	0
Phenanthrene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U	--	--	--	--	--	5 U	5.1 U
Pyrene	ug/kg	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1	5.1 U	--	--	--	--	--	5 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a
	SAMPLE	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016
	DATE	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	9	0	2	5	9	0	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	1	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
SAMPLE TYPE				Field Duplicate						Field Duplicate	Field Duplicate						
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	6 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	6 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	6 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a
	SAMPLE	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016
	DATE	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	9	0	2	5	9	0	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	1	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	10	0.5	3	6	10	0.5	0.5	3
SAMPLE TYPE				Field Duplicate						Field Duplicate	Field Duplicate						
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d
	SAMPLE	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	9	0	2	5	9	0	2	5	9	19
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.7	8.75	9.29	9.18	9.33	9.4	--	8.89	9.15	9.43	9.36	9.31	8.86	8.95	9.23	9.68
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	--	2 UJ	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	2.7	2.9	3.6	3	3	2.4	--	3.7	3.1	2.3	3.7	3	1 U	1 U	4.5	5.8
Barium	mg/kg	110	110	120	93	89	--	110	88	130	81	40	100	120	84	86	56
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	0.24	0.17	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.42 U	0.41 U	0.41 U	0.41 U	--	0.41 U	1.3	0.42 U	0.41 U	0.42 U	0.41 U	5.7	4.3	2.9	0.42 U
Chromium, total	mg/kg	19	15	26	26	53	18	--	60	42	22	24	46	970	370	140	26
Cobalt	mg/kg	8.1	7.4	7.3	6.9	6.7	8.4	--	6.3	8.4	7.2	9.3	8.2	7.5	6.9	10	10
Copper	mg/kg	8.3	7.1	9.3	10	8.7	--	9.6	10	11	9.1	9.7	10	13	11	14	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	0.019 J	0.011 J	--	--
Lead	mg/kg	2.4	2.1	3.2	3	2.4	1.8	--	5.1	3.3	1.8	2.6	2.9	4.7	3.9	3.1	3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Molybdenum	mg/kg	1.1	1 U	1 U	2.4	5.5	1.3	--	1 U	1 U	1 U	1 U	2.9	1.5	1.1	2.1 U	2.1 U
Nickel	mg/kg	11	11	12	11	12	--	13	11	15	13	15	14	11	11	15	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U
Thallium	mg/kg	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	--	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U	4.2 U	4.2 U
Vanadium	mg/kg	28	27	28	23	25	--	29	26	34	31	35	36	34	26	33	38
Zinc	mg/kg	35	36	39	33	32	--	35	44	33	28	40	36	98	130	68	45
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d
	SAMPLE	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	9	0	2	5	9	0	2	5	9	19
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	8900	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	24000	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	19000	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	7800	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	280	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	3000 J	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	310	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	51 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	34 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Acenaphthene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Anthracene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	5.8 U	6 U	5.9 U	6 U	5.9 U	5.9 U	--	29	13	5.9 U	6 U	5.9 U	10	6 U	6 U	6.1 U
Benzo (a) anthracene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	22	6.5	5.1 U	5.2 U	5.1 U	9	5.2 U	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	20	8	5.1 U	5.2 U	5.1 U	5.7	5.2 U	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	28	9.5	5.1 U	5.2 U	5.1 U	7.2	5.2 U	5.2 U	5.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d
	SAMPLE	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	9	0	2	5	9	0	2	5	9	19
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	16	7.5	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	17	6.3	5.1 U	5.2 U	5.1 U	7.3	5.2 U	5.2 U	5.3 U
Chrysene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	25	8.1	5.1 U	5.2 U	5.1 U	9.5	5.2 U	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Fluoranthene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	41	15	5.1 U	5.2 U	5.1 U	18	5.2 U	5.2 U	5.3 U
Fluorene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	14	6.3	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U
Naphthalene	ug/kg	5 U	5 U	5.1 U	5.2 U	5.1 U	--	4.5 U	5 U	5 U	4.3 U	5.2 U	5.1 U	4.2 U	4.5 U	5.2 U	4.9 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	--	223	80.2	0	0	0	72.7	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	--	7.9	5.4	0	0	0	5.4	0	0	0
Phenanthrene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	7.9	5.4	5.1 U	5.2 U	5.1 U	5.4	5.2 U	5.2 U	5.3 U
Pyrene	ug/kg	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	40	13	5.1 U	5.2 U	5.1 U	16	5.2 U	5.2 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	670 U	680 U	670 U	680 U	--	660 U	670 U	670 U	690 U	670 U	680 U	690 U	690 U	700 U
4-Chloroaniline	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	680 U	670 U	680 U	670 U	680 U	--	660 U	670 U	670 U	690 U	670 U	680 U	690 U	690 U	700 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Caprolactam	ug/kg	--	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d
	SAMPLE	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	9	0	2	5	9	0	2	5	9	19
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	21.4	10 U
TPH as gasoline	mg/kg	1.2 U	1.1 U	--	0.94 U	0.92 U	--	0.87 U	--	1 U	0.91 U	0.96 U	--	0.89 U	0.98 U	1.5 U	1.3 U
TPH as motor oil	mg/kg	10 U	10 U	12.9	14.4	10.9	10 U	--	10 U	10 U	10 U	10 U	10 U	17.5	10 U	25.2	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1-Dichloroethene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1-Dichloropropene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1,1-Trichloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1,1,2-Tetrachloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1,2-Trichloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,1,2,2-Tetrachloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2-Dibromo-3-chloropropane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2-Dibromoethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2-Dichlorobenzene	ug/kg	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U
1,2-Dichloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2-Dichloropropane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2,3-Trichlorobenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2,3-Trichloropropane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,2,4-Trichlorobenzene	ug/kg	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U
1,2,4-Trimethylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,3-Dichlorobenzene	ug/kg	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U
1,3-Dichloropropane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,3,5-Trimethylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
1,4-Dichlorobenzene	ug/kg	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U
1,4-Dioxane	ug/kg	--	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
2-Hexanone	ug/kg	--	--	--	52 U	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
4-Isopropyltoluene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Acetone	ug/kg	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U	43 U	54 U	--	42 U	45 U	58 U	49 U
Acrolein	ug/kg	120 U	99 U	--	100 U	140 U	--	89 U	--	99 U	85 U	110 U	--	83 U	89 U	120 U	98 U
Acrylonitrile	ug/kg	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U	43 U	54 U	--	42 U	45 U	58 U	49 U
Benzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Bromobenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Bromochloromethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Bromodichloromethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Bromoform	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Bromomethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Carbon disulfide	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Carbon tetrachloride	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Chloro methane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Chlorobenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Chloroethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d
	SAMPLE	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	9	0	2	5	9	0	2	5	9	19
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Chloroform	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
cis-1,2-Dichloroethene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
cis-1,3-Dichloropropene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Cyclohexane	ug/kg	--	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Dibromomethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Dichlorodifluoromethane	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Ethyl- benzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Hexachlorobutadiene	ug/kg	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
Isopropylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Methyl acetate	ug/kg	--	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U	43 U	54 U	--	42 U	45 U	58 U	49 U
Methyl isobutyl ketone	ug/kg	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U	43 U	54 U	--	42 U	45 U	58 U	49 U
Methyl tert-butyl ether (MTBE)	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Methylcyclohexane	ug/kg	--	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
N-Butylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
N-Propylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U
p-Chlorotoluene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
sec-Butylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Styrene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
tert-Butylbenzene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Tetrachloroethene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Toluene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
trans-1,2-Dichloroethene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
trans-1,3-Dichloropropene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Trichloroethene	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Vinyl chloride	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Xylene, m,p-	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Xylene, o-	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U
Xylenes, total	ug/kg	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g
	SAMPLE	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322
	DATE	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	29	0	2	5	9	2	0	2	9	14	19
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	30	0.5	3	6	10	3	1	3	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	30	0.5	3	6	10	3	0.5	3	10	15	20
	SAMPLE TYPE	Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3100 J	310	59
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	820 J	0.22 U	11 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	12 J	0.91 U	0.23 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	21 U	0.46 U	0.39 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	31 U	6.5 J	1.2 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	85	12 J	2.1 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	89 UJ	17 U	3.8 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3.6 J	0.42 U	0.039 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.62 U	0.73 U	0.11 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	16	2.1 J	0.22 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	0.53 U	0.46 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1200 U	220 U	44 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.65 U	0.76 U	0.12 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13 U	0.22 U	0.037 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2 U	0.16 U	0.14 J
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	35000	3300	640
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4200	170	43
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	89	14	3
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	130	18	3.6
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	130	18	3.6
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.78	9.29	9.35	9.39	9.5	--	9.17	9.28	9.13	9.14	--	9	9	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U	4.5	2.1 U	2.1 U
Arsenic	mg/kg	9.7	6.4	4.1	5.3	4.4	--	2.9	--	2.6	2.5	3.1	7.6	4.4	3.6	2.3	1.8
Barium	mg/kg	40	79	62	36	41	--	98	--	98	100	90	96	55	90	52	43
Beryllium	mg/kg	--	2.1 U	1.1 U	2 U	1.1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	--	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.43 U	0.43 U	0.41 U	0.44 U	--	0.41 U	0.41 U	0.4 U	0.42 U	--	0.22	0.25	30	0.77	0.58
Chromium, total	mg/kg	24	22	28	39	18	--	34	--	44	20	32	14	17	2100	28	27
Cobalt	mg/kg	8.7	8.9	9.3	9	9.1	--	7.5	--	7	6.4	7.1	5.3	7.5	8	8.6	8.7
Copper	mg/kg	--	11	10	9.8	9.8	8.9	9.3	8.4	8.4	4.9	--	12	11	11	8.9	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	3.6	2.1	2.2	2.8	2.7	3.4	3.2	2.3	1.1	--	7.9	3.1	5.2	2	2
Mercury	mg/kg	--	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.26	0.16	0.16
Molybdenum	mg/kg	--	2.1 U	1.1 U	4.7	2.2	2.1 U	2.2	1.4	5.4	1.1	--	3.2	8.2	8.4	1.1 U	1.1 U
Nickel	mg/kg	16	16	17	13	13	--	13	12	12	9	--	11	12	10	14	17
Selenium	mg/kg	--	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	--	2.1 U	1.1 U	2 U	1.1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	--	4.3 U	2.1 U	4 U	2.2 U	4.2 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U	2.2 U	2.1 U	2.1 U
Vanadium	mg/kg	34	34	36	33	31	--	29	27	26	24	--	25	37	26	33	30
Zinc	mg/kg	--	42	38	32	31	37	36	--	32	27	33	39	40	140	75	53
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g
	SAMPLE	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322
	DATE	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	29	0	2	5	9	2	0	2	9	14	19
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	30	0.5	3	6	10	3	1	3	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	30	0.5	3	6	10	3	0.5	3	10	15	20
	SAMPLE TYPE	Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.5 U	5.3 U	5.3 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	55 UJ	53 UJ	53 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	33 U	34 U	36 U	35 U	35 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	18 U	18 U	18 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
2-Methyl naphthalene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Acenaphthene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Acenaphthylene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Anthracene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
B(a)P Equivalent	ug/kg	--	6.2 U	6.1 U	5.9 U	6.2 U	6 U	5.8 U	5.9 U	5.8 U	6 U	--	--	--	6.2 U	6.1 U	6.1 U
Benzo (a) anthracene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Benzo (a) pyrene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Benzo (b) fluoranthene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g
	SAMPLE	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322
	DATE	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	29	0	2	5	9	2	0	2	9	14	19
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	30	0.5	3	6	10	3	1	3	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	30	0.5	3	6	10	3	0.5	3	10	15	20
	SAMPLE TYPE	Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Benzo (k) fluoranthene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Chrysene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Fluoranthene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Fluorene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Naphthalene	ug/kg	--	5.4 U	4.9 U	4.3 U	4.5 U	4.5 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
PAH High molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	--	--	--	0	0	0
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	--	--	--	0	0	0
Phenanthrene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Pyrene	ug/kg	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	710 U	700 U	670 U	710 U	690 U	670 U	670 U	660 U	680 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1800 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1800 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	710 U	700 U	670 U	710 U	690 U	670 U	670 U	660 U	680 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g
	SAMPLE	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322
	DATE	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	29	0	2	5	9	2	0	2	9	14	19
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	30	0.5	3	6	10	3	1	3	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	30	0.5	3	6	10	3	0.5	3	10	15	20
	SAMPLE TYPE	Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
Phenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1.2 U	1 U	1 U	0.95 U	1 U	--	--	0.89 U	1.1 U	1 U	--	--	--	--	--
TPH as motor oil	mg/kg	--	10 U	10 U	10 U	10 U	10 U	10 U	11.9	41.1	14.5	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U	5.3 U	5.2 U	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Acetone	ug/kg	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U	53 U	52 U	--	--	--	--	--
Acrolein	ug/kg	--	120 U	98 U	86 U	90 U	90 U	--	--	120 U	110 U	100 U	--	--	--	--	--
Acrylonitrile	ug/kg	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U	53 U	52 U	--	--	--	--	--
Benzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Bromobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Bromochloromethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Bromodichloromethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Bromoform	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Bromomethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Carbon disulfide	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Chloro methane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Chlorobenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Chloroethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g
	SAMPLE	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322
	DATE	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	29	0	2	5	9	2	0	2	9	14	19
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	30	0.5	3	6	10	3	1	3	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	30	0.5	3	6	10	3	0.5	3	10	15	20
	SAMPLE TYPE	Field Duplicate										Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Dibromomethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Ethyl- benzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U	53 U	52 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U	53 U	52 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
N-Butylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
N-Propylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Nitrobenzene	ug/kg	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U	340 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Styrene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Tetrachloroethene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Toluene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Trichloroethene	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Vinyl chloride	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Xylene, m,p-	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Xylene, o-	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--
Xylenes, total	ug/kg	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U	5.3 U	5.2 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i
	SAMPLE	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338
	DATE	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	39	0	2	5	9	14	19	29	39	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	40	1	3	6	10	15	20	30	40	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	40	0.5	3	6	10	15	20	30	40	0.5	3
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	930	570	69	460	--	--	--	--	670	420
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	150	56	5.7 J	44	--	--	--	--	88	37
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	3.4 J	2.8 J	0.97 J	2.3 U	--	--	--	--	1.7 J	2.8 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	1.1 U	0.22 U	0.12 U	0.23 U	--	--	--	--	0.62 U	4.1 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	4.3 U	5.3 J	0.19 U	6.4 J	--	--	--	--	10 J	3.4 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	23	14	1.9 U	13	--	--	--	--	14	13
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	27 U	1.6 J	0.26 U	0.67 U	--	--	--	--	20 U	1.1 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	0.86 U	1.3 U	0.23 U	0.75 U	--	--	--	--	0.12 U	1.2 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	0.66 U	0.81 U	0.18 U	0.24 U	--	--	--	--	0.42 U	0.34 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	5.9 J	5.8 J	0.9 J	4.7 J	--	--	--	--	2.6 U	4.5 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	1.3 U	0.91 U	0.14 U	0.68 U	--	--	--	--	0.72 U	0.81 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	290 UJ	130 U	11 U	240 U	--	--	--	--	220 U	80 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	0.59 U	1.1 J	0.19 U	0.86 J	--	--	--	--	0.13 U	0.79 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	0.13 U	0.2 J	0.035 U	0.13 U	--	--	--	--	0.044 U	0.12 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	0.18 U	0.38 U	0.17 U	0.23 J	--	--	--	--	0.22 U	0.18 U
OCDD	ng/kg	--	--	--	--	--	--	11000	6700	420	5400	--	--	--	--	9800	5800
OCDF	ng/kg	--	--	--	--	--	--	720 J	200	10 J	250	--	--	--	--	610	150
TEQ Avian	ng/kg	--	--	--	--	--	--	21	12	1.2	16	--	--	--	--	15	7.9
TEQ Human	ng/kg	--	--	--	--	--	--	34	19	1.9	21	--	--	--	--	25	14
TEQ Mammals	ng/kg	--	--	--	--	--	--	34	19	1.9	21	--	--	--	--	25	14
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	2.1	2.2	2.8	2.3	2.1	--	1.4	2.1	1 U	1 U	1.7	1.5	1.9	2.2	1.8	1.3
Barium	mg/kg	50	94	22	69	67	--	120	72	130	100	42	58	40	44	92	89
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.25	0.23	0.21 U	0.21 U	0.21 U	--	2.5	0.42	6.8	0.94	0.29	0.23	0.21 U	0.21 U	0.61	0.55
Chromium, total	mg/kg	21	19	18	18	15	--	100 J	24	200	28	19	18	18	17	28	25
Cobalt	mg/kg	10	--	8.9	9.6	7.5	9	9	11	9.4	8.7	7.1	9.1	8.9	7.9	7.8	7.8
Copper	mg/kg	9.9	--	15	13	8.4	9.8	9.2 J	9.9	9.8	16	9	12	8.9	8	10	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.1	1.8	1.9	2.1	1.4	--	2.2	2.2	3.4	1.4	1.1	1.3	1.2	1.6	2.6	2.5
Mercury	mg/kg	0.15	0.14	0.12	0.15	0.11	--	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	14	13	15	14	13	--	17	16	12	13	11	12	14	13	13	12
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	36	36	36	37	29	--	32	34	32	31	26	31	31	30	31	27
Zinc	mg/kg	50	39	37	44	36	--	39	45	85	44	33	41	34	35	36	34
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i
	SAMPLE	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338
	DATE	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	39	0	2	5	9	14	19	29	39	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	40	1	3	6	10	15	20	30	40	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	40	0.5	3	6	10	15	20	30	40	0.5	3
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
4,4-DDE	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
4,4-DDT	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
Aldrin	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
alpha-BHC	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
alpha-Chlordane	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
beta-BHC	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
delta-BHC	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
Dieldrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
Endo sulfan I	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
Endo sulfan II	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
Endrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
gamma-Chlordane	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
Heptachlor	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
Methoxy chlor	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 UJ	--	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 UJ	5.3 U	5.2 U	5.1 U
Toxaphene	ug/kg	53 UJ	53 UJ	53 UJ	54 UJ	53 UJ	--	51 UJ	53 UJ	52 UJ	51 UJ	52 UJ	52 UJ	52 UJ	53 UJ	52 UJ	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U
Aroclor 1221	ug/kg	35 U	35 U	35 U	35 U	35 U	--	34 U	35 U	34 U	34 U	35 U	35 U	34 UJ	35 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	21	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	18
Aroclor 1260	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	--	18 U	18 U	18 U	17 U	17 U	29.5	17 U	17 U	17 U	17 U	17 U	17 U	17 U	26.5
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Anthracene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	6.1 U	6.1 U	6.1 U	6.2 U	6.1 U	--	6 U	6.1 U	6 U	5.9 U	6 U	6.1 U	6 U	6 U	6 U	5.9 U
Benzo (a) anthracene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Benzo (a) pyrene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i
	SAMPLE	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338
	DATE	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	39	0	2	5	9	14	19	29	39	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	40	1	3	6	10	15	20	30	40	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	40	0.5	3	6	10	15	20	30	40	0.5	3
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Chrysene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Fluoranthene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Fluorene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Naphthalene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	--	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Pyrene	ug/kg	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Dataset for OCS HHERA

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i
	SAMPLE	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338
	DATE	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	39	0	2	5	9	14	19	29	39	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	40	1	3	6	10	15	20	30	40	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	40	0.5	3	6	10	15	20	30	40	0.5	3
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i
	SAMPLE	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338
	DATE	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	39	0	2	5	9	14	19	29	39	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	40	1	3	6	10	15	20	30	40	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	40	0.5	3	6	10	15	20	30	40	0.5	3
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a
	SAMPLE	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050
	DATE	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	2	5	9	2	14	19	19	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	1	3	6	10	3	15	20	20	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	3	6	10	3	15	20	20	0.5	3	6	10
SAMPLE TYPE										Field Duplicate			Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	16	910	--	--	190	380 J	120	17	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	1.6 U	110	--	--	8.7 J	37	19	1.9 J	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.15 U	1.8 U	--	--	0.93 J	2.4 J	0.38 U	0.16 U	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.72 J	0.27 U	--	--	0.31 U	--	0.6 U	0.12 U	2.4 J	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.3 U	12 U	--	--	1.5 U	3.6 J	1.8 J	0.37 U	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.88 J	21	--	--	4.6 J	--	3.5 J	0.56 J	6.4 J	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.87 J	1.1 J	--	--	0.3 U	1.9 J	0.59 U	0.4 U	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.08 U	1.2 J	--	--	0.25 U	1.5 J	0.12 U	0.045 U	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.091 U	0.92 U	--	--	0.098 U	0.15 U	0.097 U	0.092 U	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.36 U	4.7 J	--	--	1.4 U	4.7 J	1.2 J	0.25 U	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.72 U	1.3 J	--	--	0.36 U	--	0.7 U	0.14 U	0.79 J	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	6 U	280 U	--	--	21 U	--	42 U	5.2 U	41 U	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.096 U	0.47 U	--	--	0.26 U	--	0.22 U	0.097 U	0.68 J	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.029 U	0.039 U	--	--	0.052 U	0.28 J	0.11 U	0.065 U	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.14 U	0.28 J	--	--	0.1 U	--	0.55 J	0.33 U	0.19 U	--	--	--	--	--	--	--
OCDD	ng/kg	170	10000	--	--	2900	4000 J	1700	190	--	--	--	--	--	--	--	--
OCDF	ng/kg	9.4 J	730	--	--	21 J	--	99	10 J	33	--	--	--	--	--	--	--
TEQ Avian	ng/kg	0.75	20	--	--	2.2	8.6	3.6	0.65	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	0.91	32	--	--	4.8	13	4.8	0.71	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.91	32	--	--	4.8	13	4.8	0.71	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	8.49	9.32	8.94	8.35
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U
Arsenic	mg/kg	1 U	1.2	1 U	1.2	1 U	1 U	1.7	1 U	--	1.5	1.6	--	4.1	4.4	4.2	2.9
Barium	mg/kg	89	110	100	130	93	80 J	64	81	--	64	--	57	150	110	110	99
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.29	0.31	0.28	0.27	0.6	--	0.21 U	0.37	0.39	0.26	0.7	--	0.4 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	16	40	17	18	31	21	18	16	--	26	--	30 J	24	19	23	15
Cobalt	mg/kg	7.8	7.9	9	8.7	11	8.3 J	8.7	7.4	--	10	9.8	--	7.8	7.1	7	7.2
Copper	mg/kg	10	12	9.5	14	8.8	9.3	9.2	6.4	--	12	--	9.3	11	9	12	10
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.5	4.8	1.4	1.3	1.9	2.4	1.4	1.3	--	2.1	--	2	8.4	4.2	14	1.9
Mercury	mg/kg	0.12	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11	0.1 U	--	0.11 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	1 U	1.7	1 U
Nickel	mg/kg	10	13	12	15	15	--	11	10	9.1	14	--	14 J	14	13	12	9.8
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U
Vanadium	mg/kg	27	28	35	31	48	35	33	41	--	42	--	40	33	29	28	26
Zinc	mg/kg	40	40	38	39	40	32	31	33	--	44	46	--	47	37	39	33
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a
	SAMPLE	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050
	DATE	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	2	5	9	2	14	19	19	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	1	3	6	10	3	15	20	20	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	3	6	10	3	15	20	20	0.5	3	6	10
SAMPLE TYPE										Field Duplicate			Field Duplicate				
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	11000	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	24000	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	18000	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	7700	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	290	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2900	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	250 U	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
4,4-DDE	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
4,4-DDT	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
Dieldrin	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
Endo sulfan II	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
Endrin	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	--	1 U	--	--	--
Methoxy chlor	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	--	5.3 U	5 U	--	--	--
Toxaphene	ug/kg	52 UJ	51 UJ	51 UJ	51 UJ	52 UJ	--	52 UJ	52 UJ	51 UJ	53 UJ	--	53 UJ	50 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	17 U	17 U	--	--
Aroclor 1221	ug/kg	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	--	35 U	35 U	--	33 U	33 U	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	17 U	17 U	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	17 U	17 U	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	17 U	17 U	--	--
Aroclor 1254	ug/kg	17 U	39	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	63	17 U	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	17 U	17 U	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Total PCBs	ug/kg	17 U	47.5	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	18 U	--	71.5	17 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
Anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	5.9 U	5.9 U	5.9 U	6 U	--	6 U	6 U	5.9 U	6.1 U	6.1 U	--	13	5.9 U	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	6.5	5.1 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	8.4	5.1 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	11	5.1 U	5 U	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a
	SAMPLE	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050
	DATE	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	2	5	9	2	14	19	19	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	1	3	6	10	3	15	20	20	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	3	6	10	3	15	20	20	0.5	3	6	10
SAMPLE TYPE										Field Duplicate			Field Duplicate				
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	7.6	5.1 U	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	12	5.1 U	5 U	5.1 U
Chrysene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	14	5.1 U	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	25	5.1 U	5 U	5.1 U
Fluorene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	7	5.1 U	5 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	0	--	113	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	0	--	9.2	0	0	0
Phenanthrene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	9.2	5.1 U	5 U	5.1 U
Pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.3 U	5.3 U	--	21	5.1 U	5 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U

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Needles, California

	LOCATION	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a
	SAMPLE	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050
	DATE	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	2	5	9	2	14	19	19	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	1	3	6	10	3	15	20	20	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	3	6	10	3	15	20	20	0.5	3	6	10
SAMPLE TYPE										Field Duplicate			Field Duplicate				
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.93 U	0.95 U	1 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	11	14.4	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.4 U	5.1 U	6.3 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.4 U	5.1 U	6.3 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.4 U	5.1 U	6.3 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.4 U	5.1 U	6.3 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	54 U	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	54 U	51 U	63 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	110 U	100 U	130 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	54 U	51 U	63 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a
	SAMPLE	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050
	DATE	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	2	5	9	2	14	19	19	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	1	3	6	10	3	15	20	20	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	3	6	10	3	15	20	20	0.5	3	6	10
SAMPLE TYPE										Field Duplicate			Field Duplicate				
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.4 U	5.1 U	6.3 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	660 U	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6.6	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	54 U	51 U	63 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	54 U	51 U	63 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.4 U	5.1 U	6.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b
	SAMPLE	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067
	DATE	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.85	9.11	8.99	9.22	--	8.44	9.2	9.05	9.14	8.06	8.7	8.83	8.76	9.02	9.13	9.89
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U
Arsenic	mg/kg	2.6	3.1	2.3	2.7	--	4.6	3.5	3.7	2.7	4.2	3.9	4	3.7	2.9	3.7	3.6
Barium	mg/kg	78	120	92	110	--	130	98	130	94	120	99	89	160	83	120	110
Beryllium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	2.8	0.41 U	0.41 U	--	0.42	0.41 U	1.7	0.4 U	0.4 U	0.41 U	0.41 U	0.53	1.3	--	0.42 U
Chromium, total	mg/kg	23	170	46	17	--	27	30	89	19	28	26	25	26	21	29	24
Cobalt	mg/kg	7	6.5	7	7.3	--	6.5	8.9	8.8	8.2	7.3	7.7	8.3	6.9	6.3	7.6	9.9
Copper	mg/kg	8	13	8.6	7.7	--	11	9.7	12	10	11	10	11	9.6	7.5	12	9.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.1	9.1	2.3	--	1.9	7	3.4	5.8	2.4	5.5	4	3.3	4.3	2.6	8.8 J	3.2
Mercury	mg/kg	0.1 U	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	4.6	1.1	--	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	11	12	12	--	9.5	12	14	14	12	12	14	14	12	10	13	13
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U
Vanadium	mg/kg	35	26	25	--	29	29	33	34	32	26	31	34	28	22	33	33
Zinc	mg/kg	29	120	34	--	32	46	39	65	36	51	40	40	36	29	--	39
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b
	SAMPLE	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067
	DATE	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Acenaphthene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Acenaphthylene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Anthracene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	5.8 U	23	5.9 U	5.9 U	--	10	5.8 U	5.9	5.9 U	5.8	5.9 U	5.9 U	5.9 U	5.8 U	6.2	6 U
Benzo (a) anthracene	ug/kg	5 U	15	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Benzo (a) pyrene	ug/kg	5 U	16	5.1 U	5.1 U	--	5.9	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5 U	14	5.1 U	5.1 U	--	7.9	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.4	5.2 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b
	SAMPLE	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067
	DATE	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	13	5.1 U	5.1 U	--	7.4	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5 U	21	5.1 U	5.1 U	--	8.6	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Chrysene	ug/kg	5 U	20	5.1 U	5.1 U	--	11	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Fluoranthene	ug/kg	5 U	25	5.1 U	5.1 U	--	14	5 U	6.3	5.1 U	7.1	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Fluorene	ug/kg	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	12	5.1 U	5.1 U	--	5.3	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Naphthalene	ug/kg	5 U	5.3 U	4.7 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
PAH High molecular weight	ug/kg	0	159	0	0	--	72.1	0	12.1	0	13.9	0	0	0	0	5.4	0
PAH Low molecular weight	ug/kg	0	6.8	0	0	--	0	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5 U	6.8	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Pyrene	ug/kg	5 U	23	5.1 U	5.1 U	--	12	5 U	5.8	5.1 U	6.8	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
2-Nitrophenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	690 U	670 U	680 U	--	670 U	670 U	670 U	670 U	660 U	670 U	670 U	670 U	660 U	--	690 U
4-Chloroaniline	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	690 U	670 U	680 U	--	670 U	670 U	670 U	670 U	660 U	670 U	670 U	670 U	660 U	--	690 U
bis (2-chloroethoxy) methane	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	370	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b
	SAMPLE	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067
	DATE	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
Phenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	21	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	1.1 U	1 U	--	0.95 U	--	1.3 U	1.2 U	1.5 U	--	1.3 U	1.4 U	1.4 U	--	1.1 U	1.5 U
TPH as motor oil	mg/kg	10 U	24.9	17.6	11.1	--	11.2	10 U	19	10	25 J	15.6 J	10 U	10 U	10 U	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1-Dichloroethene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1-Dichloropropene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1,1-Trichloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1,1,2-Tetrachloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1,2-Trichloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,1,2,2-Tetrachloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2-Dibromo-3-chloropropane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2-Dibromoethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2-Dichlorobenzene	ug/kg	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U
1,2-Dichloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2-Dichloropropane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2,3-Trichlorobenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2,3-Trichloropropane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,2,4-Trichlorobenzene	ug/kg	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U
1,2,4-Trimethylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,3-Dichlorobenzene	ug/kg	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U
1,3-Dichloropropane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,3,5-Trimethylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
1,4-Dichlorobenzene	ug/kg	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Acetone	ug/kg	--	55 U	--	52 U	--	--	68 U	70 U	62 U	--	65 U	66 U	82 U	--	--	68 U
Acrolein	ug/kg	--	110 U	94 U	100 U	--	--	140 U	140 U	120 U	--	130 U	130 U	160 U	--	--	140 U
Acrylonitrile	ug/kg	--	55 U	47 U	52 U	--	--	68 U	70 U	62 U	--	65 U	66 U	82 U	--	--	68 U
Benzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
bis (2-chloroethyl) ether	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Bromobenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Bromochloromethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Bromodichloromethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Bromoform	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Bromomethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Carbon disulfide	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Carbon tetrachloride	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Chloro methane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Chlorobenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Chloroethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b
	SAMPLE	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067
	DATE	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Chloroform	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
cis-1,2-Dichloroethene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
cis-1,3-Dichloropropene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Dibromomethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Dichlorodifluoromethane	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Ethyl- benzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Hexachlorobutadiene	ug/kg	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
Isopropylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	55 U	47 U	52 U	--	--	68 U	70 U	62 U	--	65 U	66 U	82 U	--	--	68 U
Methyl isobutyl ketone	ug/kg	--	55 U	47 U	52 U	--	--	68 U	70 U	62 U	--	65 U	66 U	82 U	--	--	68 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
N-Butylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
N-Propylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Nitrobenzene	ug/kg	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
sec-Butylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Styrene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
tert-Butylbenzene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Tetrachloroethene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Toluene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
trans-1,2-Dichloroethene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
trans-1,3-Dichloropropene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Trichloroethene	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Vinyl chloride	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Xylene, m,p-	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Xylene, o-	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U
Xylenes, total	ug/kg	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c
	SAMPLE	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082
	DATE	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate								Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.99	--	9.35	8.9	9.1	9.41	8.87	9.17	9.44	9.3	--	8.98	9.13	9.05	9.14	8.91
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2 UJ	2 U	2 U	2.1 U	2 U	2 U	2 U	--	2 U	2 UJ	2 U	2 U	2 U	2 U
Arsenic	mg/kg	3.2	--	4.2	3.8	3.3	3.1	3.1	2.8	3.8	--	2.6	2.4	3.3	3.4	3.5	3.7
Barium	mg/kg	100	--	100	130	150	120	150	95	99	--	110	73	110	120	120	140
Beryllium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.41 U	0.4 U	0.82	0.87	0.41 U	0.4 U	0.4 U	0.41 U	0.41 U	--	0.4 U	0.45	0.6	0.41 U	0.4 U
Chromium, total	mg/kg	19	--	19	27	28	27	21	39	35	27	--	26	41	61	23	15
Cobalt	mg/kg	7.7	--	5.5	8.9	9.2	8.3	7.8	9	9	7.8	--	6.8	7.2	7.9	9.6	6.7
Copper	mg/kg	8.8	--	22	19	21	13	13	10	24	--	11	11	9.5	9.8	13	8.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.4	--	5.9	14	19	5.8	4	3.2	3.4	--	3.6	4.9	4.4	4.8	3.4	5.8
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	--	1 U	1 U	1.3	1 U	1 U	1 U	2.2	--	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	12	--	9.4	13	13	13	12	13	17	12	--	11	12	13	13	8.7
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	--	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	31	--	25	38	36	35	33	32	32	--	30	28	32	31	39	27
Zinc	mg/kg	37	50	33	67	71	47	41	38	38	--	38	33	38	41	41	37
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c
	SAMPLE	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082
	DATE	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate								Field Duplicate						
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	5700	--	--	--	--	--	--	--	--	6500	--	--	--	--
Calcium	mg/kg	--	--	18000	--	--	--	--	--	--	--	--	15000	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Iron	mg/kg	--	--	16000	--	--	--	--	--	--	--	--	16000	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	5300	--	--	--	--	--	--	--	--	5600	--	--	--	--
Manganese	mg/kg	--	--	200	--	--	--	--	--	--	--	--	210	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1700	--	--	--	--	--	--	--	--	1800	--	--	--	--
Sodium	mg/kg	--	--	240 U	--	--	--	--	--	--	--	--	210 U	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	--	--	--	5 U	--	--	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	--	--	--	50 U	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	--	--	--	--	33 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Total PCBs	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Acenaphthene	ug/kg	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Anthracene	ug/kg	5.2 U	--	5 U	5.1 U	32	6.4	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	6 U	--	5.8	83	300	51	5.8 U	5.8 U	5.8 U	--	5.9 U	5.8 U	6.1	5.9 U	5.9 U	9.1
Benzo (a) anthracene	ug/kg	5.2 U	--	5 U	59	380	58	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Benzo (a) pyrene	ug/kg	5.2 U	--	5 U	55	170	34	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.4
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5 U	69	410	32	5 U	5 U	5 U	--	5.1 U	5 U	5.1	5.1 U	5.1 U	6.6

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c
	SAMPLE	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082
	DATE	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate								Field Duplicate						
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	--	5 U	38	81	19	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.7
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5 U	41	190	40	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	7.7
Chrysene	ug/kg	5.2 U	--	5 U	64	400	72	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	7.3
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5 U	11	37	6.3	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Fluoranthene	ug/kg	5.2 U	--	5.4	82	560	84	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	8.8
Fluorene	ug/kg	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5 U	34	78	17	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Naphthalene	ug/kg	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
PAH High molecular weight	ug/kg	0	--	5.4	535	2870	443	0	0	0	--	0	0	5.1	0	0	49.5
PAH Low molecular weight	ug/kg	0	--	0	16	182	26.4	0	0	0	--	0	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	--	5 U	16	150	20	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Pyrene	ug/kg	5.2 U	--	5 U	82	560	81	5 U	5 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	8
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2-Chlorophenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2-Methylphenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
3-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	670 U	660 U	680 U	680 U	680 U	660 U	660 U	660 U	--	670 U	660 U	670 U	670 U	670 U	660 U
4-Chloroaniline	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
4-Methylphenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
4-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	670 U	660 U	680 U	680 U	680 U	660 U	660 U	660 U	--	670 U	660 U	670 U	670 U	670 U	660 U
bis (2-chloroethoxy) methane	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Butylbenzylphthalate	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Caprolactam	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Dibenzofuran	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Diethyl phthalate	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Dimethyl phthalate	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Hexachlorobenzene	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Hexachloroethane	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c
	SAMPLE	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082
	DATE	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate								Field Duplicate						
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Pentachlorophenol	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 UJ	10 UJ	10 UJ	--	10 UJ	--	10 U	--	10 U	10 U	10 U	10 U	10 UJ	10 U
TPH as gasoline	mg/kg	0.99 U	--	--	1.4 U	1.3 U	1.9 U	--	1.2 U	1.4 U	--	1.6 U	--	1.5 U	1.3 U	1.3 U	--
TPH as motor oil	mg/kg	10 U	34.3	10 UJ	10 UJ	10 UJ	--	10 UJ	--	10 U	16.5 J	--	10 U	10 U	10 U	10 UJ	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1-Dichloroethene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1-Dichloropropene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1,1-Trichloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1,1,2-Tetrachloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1,2-Trichloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,1,2,2-Tetrachloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2-Dibromo-3-chloropropane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2-Dibromoethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2-Dichlorobenzene	ug/kg	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U
1,2-Dichloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2-Dichloropropane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2,3-Trichlorobenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2,3-Trichloropropane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,2,4-Trichlorobenzene	ug/kg	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U
1,2,4-Trimethylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,3-Dichlorobenzene	ug/kg	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U
1,3-Dichloropropane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,3,5-Trimethylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
1,4-Dichlorobenzene	ug/kg	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--	--	--
2-Chlorotoluene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
2-Hexanone	ug/kg	--	--	--	69 U	--	--	--	--	--	--	--	--	74 U	--	--	--
2,2-Dichloropropane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
2,4,5-Trichlorophenol	ug/kg	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
4-Isopropyltoluene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Acetone	ug/kg	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U	--	70 U	--	74 U	65 U	88 U	--
Acrolein	ug/kg	160 U	130 U	--	140 U	130 U	160 U	--	140 U	190 U	--	140 U	--	150 U	130 U	180 U	--
Acrylonitrile	ug/kg	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U	--	70 U	--	74 U	65 U	88 U	--
Benzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Bromobenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Bromochloromethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Bromodichloromethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Bromoform	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Bromomethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Carbon disulfide	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Carbon tetrachloride	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Chloro methane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Chlorobenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Chloroethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c
	SAMPLE	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082
	DATE	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	2	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
	SAMPLE TYPE		Field Duplicate								Field Duplicate						
ANALYTE	UNITS																
Chloroform	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
cis-1,2-Dichloroethene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
cis-1,3-Dichloropropene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Cyclohexane	ug/kg	--	--	--	6.9 U	--	--	--	--	--	--	--	--	7.4 U	--	--	--
Dibromochloromethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Dibromomethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Dichlorodifluoromethane	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Ethyl- benzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Hexachlorobutadiene	ug/kg	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	--	--	--	660 U	--	--	--	--
Isophorone	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
Isopropylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Methyl acetate	ug/kg	--	--	--	6.9 U	--	--	--	--	--	--	--	--	7.4 U	--	--	--
Methyl ethyl ketone	ug/kg	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U	--	70 U	--	74 U	65 U	88 U	--
Methyl isobutyl ketone	ug/kg	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U	--	70 U	--	74 U	65 U	88 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Methylcyclohexane	ug/kg	--	--	--	6.9 U	--	--	--	--	--	--	--	--	7.4 U	--	--	--
Methylene chloride	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
N-Butylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
N-Propylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Nitrobenzene	ug/kg	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U	--	340 U	330 U	340 U	330 U	340 U	330 U
p-Chlorotoluene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
sec-Butylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Styrene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
tert-Butylbenzene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Tetrachloroethene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Toluene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
trans-1,2-Dichloroethene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
trans-1,3-Dichloropropene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Trichloroethene	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Vinyl chloride	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Xylene, m,p-	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Xylene, o-	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--
Xylenes, total	ug/kg	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U	--	7 U	--	7.4 U	6.5 U	8.8 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a
	SAMPLE	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087
	DATE	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	14	19	19	2	0	2.5	5.5	9.5	2.5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	6	10	15	20	20	3	0.5	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	15	20	20	3	0.5	3	6	10	3
SAMPLE TYPE						Field Duplicate				Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	280	44000 J	2500	500	1700	620	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	30	3700	420	86	120	--	130	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	1.4 U	--	5.9 J	2.8 U	7.7 J	--	4 J	79	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	1.2 U	--	9.8 U	0.66 U	13	5.7 U	--	360	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	2.2 U	--	39	4.3 U	10 J	--	20	130 J	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	9.1 U	--	57	15	38	24	--	880	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	1.1 U	89	9.1 U	0.61 U	2.6 U	5.3 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	0.19 U	23 U	2.1 U	0.77 U	3.2 J	--	0.27 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.6 U	2.9 U	0.41 U	0.28 U	1.3 U	0.15 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	3.7 J	260	13 U	3.6 U	15	--	7.1 J	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	1.4 U	52 U	11 U	0.77 U	2.3 U	6.6 U	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	96 U	5900 U	860 U	230 U	340 U	--	370 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	1.3 U	68	1 U	0.3 U	1.4 U	--	0.32 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	0.1 U	6.2	0.59 J	0.11 U	0.52 U	--	0.083 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	0.54 U	14	0.34 U	0.22 U	0.73 J	0.067 U	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	2700	340000	28000	5000	22000	5400	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	94	18000 J	2200	290	380	--	410	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	7.4	600	58	15	31	--	24	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	10	1100	92	21	53	33	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	10	1100	92	21	53	33	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.82	9.01	8.83	--	--	--	--	--	--	--	--	8.19	8.81	8.78	8.71	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	--	2 U	2.1 U	2 U	--	2 U	2 U	2 U
Arsenic	mg/kg	3.3	3.1	3.5	1.3	--	2.3	1.9	1.8	--	1 U	5.3	3.2	--	2.3	3.2	3.2
Barium	mg/kg	150	130	130	84	--	120	97	110	--	120 J	230	96	--	94	110	110
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.88	0.64	0.48	0.2 U	--	2.4	0.33	0.92	0.72	--	2.7	0.4 U	0.41 U	0.41 U	0.41 U	--
Chromium, total	mg/kg	31	36	21	23	69 J	80	23	36	--	23	--	20	21	16	20	--
Cobalt	mg/kg	8.6	7.2	7.7	7.5	--	7.9	8.2	7.3	--	9.5	6.6	6.3	--	7.2	7	6.9
Copper	mg/kg	12	12	9.8	8.3	--	9.7	8.3	8.8	--	8.8	17	11	--	7.9	8.7	8.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.5	11	3.9	6.2	--	3.7	4.8	4.1	--	1.8	18	5.6	--	3.9	12	5.6
Mercury	mg/kg	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.099 U	--	0.1 U	--	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	13	11	11	11	--	12	14	11	--	14	12	11	--	10	11	11
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	--	2 U	2.1 U	2 U	--	2 U	2 U	2 U
Vanadium	mg/kg	35	31	32	26	--	32	31	27	--	33	28	28	31	33	32	--
Zinc	mg/kg	53	49	39	33	72 J	42	40	36	52	--	--	47	40	34	40	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a
	SAMPLE	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087
	DATE	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	14	19	19	2	0	2.5	5.5	9.5	2.5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	6	10	15	20	20	3	0.5	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	15	20	20	3	0.5	3	6	10	3
SAMPLE TYPE						Field Duplicate				Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 UJ	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	34 U	34 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	97	240 J	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	106	249	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	16	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	13	71	5.9 U	14	60	5.8 U	5.9 U	6.3	--	5.8 U	--	11	--	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	6.1	84	5.1 U	6.8	--	5 U	5.1 U	5.1 U	--	5 U	30	5.4	--	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	8.3	45	5.1 U	9.6	--	5 U	5.1 U	5.1 U	--	5 U	24	6.3	--	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	7.6	58	5.1 U	11	--	5 U	5.1 U	6.5	--	5 U	58	10	--	5.1 U	5.1 U	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a
	SAMPLE	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087
	DATE	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	14	19	19	2	0	2.5	5.5	9.5	2.5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	6	10	15	20	20	3	0.5	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	15	20	20	3	0.5	3	6	10	3
SAMPLE TYPE						Field Duplicate				Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	6.6	25	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	--	5 U	5.3	8.8	--	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	11	58	5.1 U	6.5	--	5 U	5.1 U	5.1 U	--	5 U	20	6.1	--	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	9.7	91	5.1 U	10	32	5 U	5.1 U	5.8	--	5 U	--	9.2	--	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	8.8	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	--	5 U	5.3 U	5 U	--	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	14	220	5.1 U	14	73	5 U	5.1 U	8.9	--	5 U	--	10	--	5.1 U	5.1 U	5.1 U
Fluorene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	6.1	26	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	--	5 U	6	5.6	--	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--	5 U	--	5 U	3.8 U	4.3 U	3.7 U	--
PAH High molecular weight	ug/kg	82.4	766	0	71.9	--	0	0	30.1	--	0	292	71.4	--	0	0	0
PAH Low molecular weight	ug/kg	0	78	0	0	28	0	0	0	--	0	--	0	--	0	0	0
Phenanthrene	ug/kg	5 U	62	5.1 U	5.1 U	28	5 U	5.1 U	5.1 U	--	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	13	150	5.1 U	14	63	5 U	5.1 U	8.9	--	5 U	--	10	--	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	660 U	670 U	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U	--
4-Chloroaniline	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	660 U	670 U	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U	--
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a
	SAMPLE	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087
	DATE	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	14	19	19	2	0	2.5	5.5	9.5	2.5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	6	10	15	20	20	3	0.5	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	15	20	20	3	0.5	3	6	10	3
SAMPLE TYPE						Field Duplicate				Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	--	--	--	--	--	--	--	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.7 U	1.1 U	1.2 U	--	--	--	--	--	--	--	--	--	--	0.71 U	0.73 U	0.7 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	--	--	--	--	--	--	--	--	21.4	13.7	10 U	10.5	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1-Dichloroethene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1-Dichloropropene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1,1-Trichloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1,1,2-Tetrachloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1,2-Trichloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,1,2,2-Tetrachloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2-Dibromo-3-chloropropane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2-Dibromoethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2-Dichlorobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	330 U	3.8 U	4.3 U	3.7 U	--
1,2-Dichloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2-Dichloropropane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2,3-Trichlorobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2,3-Trichloropropane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,2,4-Trichlorobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	330 U	3.8 U	4.3 U	3.7 U	--
1,2,4-Trimethylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,3-Dichlorobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	330 U	3.8 U	4.3 U	3.7 U	--
1,3-Dichloropropane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,3,5-Trimethylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
1,4-Dichlorobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	330 U	3.8 U	4.3 U	3.7 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Acetone	ug/kg	88 U	59 U	60 U	--	--	--	--	--	--	--	--	--	--	43 U	--	--
Acrolein	ug/kg	180 U	120 U	120 U	--	--	--	--	--	--	--	--	--	76 U	86 U	74 U	--
Acrylonitrile	ug/kg	88 U	59 U	60 U	--	--	--	--	--	--	--	--	--	38 U	43 U	37 U	--
Benzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Bromobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Bromochloromethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Bromodichloromethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Bromoform	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 UJ	4.3 U	3.7 U	--
Bromomethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Carbon disulfide	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Carbon tetrachloride	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Chloro methane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Chlorobenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Chloroethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a
	SAMPLE	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087
	DATE	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	14	19	19	2	0	2.5	5.5	9.5	2.5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	6	10	15	20	20	3	0.5	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	15	20	20	3	0.5	3	6	10	3
SAMPLE TYPE						Field Duplicate				Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
cis-1,2-Dichloroethene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
cis-1,3-Dichloropropene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Dibromomethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Dichlorodifluoromethane	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Ethyl- benzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Hexachlorobutadiene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	330 U	3.8 U	4.3 U	3.7 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
Isopropylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	88 U	59 U	60 U	--	--	--	--	--	--	--	--	--	38 U	43 U	37 U	--
Methyl isobutyl ketone	ug/kg	88 U	59 U	60 U	--	--	--	--	--	--	--	--	--	38 U	43 U	37 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
N-Butylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
N-Propylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	--	--	--	--	--	--	--	--	330 U	--	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
sec-Butylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Styrene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
tert-Butylbenzene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Tetrachloroethene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Toluene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
trans-1,2-Dichloroethene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
trans-1,3-Dichloropropene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Trichloroethene	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Vinyl chloride	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Xylene, m,p-	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Xylene, o-	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--
Xylenes, total	ug/kg	8.8 U	5.9 U	6 U	--	--	--	--	--	--	--	--	--	3.8 U	4.3 U	3.7 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D
	SAMPLE	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	9.5	0	2.5	5.5	0	2	5	9	9	14	19	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
SAMPLE TYPE					Field Duplicate									Field Duplicate	Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	240	17	5.1 J	0.74 U	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	13	0.66 J	0.24 U	0.093 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	0.84 U	0.18 U	0.046 U	0.071 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.051 U	0.089 U	0.059 U	0.066 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	1.4 J	0.25 U	0.08 U	--	0.27 J	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	3.8 J	0.49 J	0.15 U	0.023 U	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.34 U	0.087 U	0.048 U	0.051 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	0.49 U	0.17 U	0.04 U	0.063 U	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.23 U	0.076 U	0.062 U	0.029 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	1.7 J	0.11 U	0.14 U	0.022 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.34 J	0.1 U	0.069 U	0.061 U	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	58 U	1.7 U	0.49 U	--	0.096 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.27 U	0.14 U	0.056 U	0.03 U	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	0.4 U	3.5 U	2.6 U	0.94 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	0.31 J	0.2 U	0.14 U	0.17 J	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	2100	100	41	4.5 U	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	48	1.5 J	0.32 U	0.13 U	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	4.7	2.2	1.5	--	1.5	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	7.3	2.2	1.5	--	1.3	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	7.3	2.2	1.5	--	1.3	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.54	8.89	8.76	8.79	--	8.6	9.42	8.85	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	--
Arsenic	mg/kg	3	3.4	2.9	3	--	2.9	5.1	2.4	3.7	2.6	1.3	--	3.9	--	2.6	3.1
Barium	mg/kg	110	130	100	110	--	81	94	110	110 J	96	110	--	40	91 J	65	--
Beryllium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	--	0.4 U	0.41 U	0.41 U	0.2 UJ	0.32 J	0.24 J	0.21 UJ	--	0.2 UJ	0.2 UJ	--
Chromium, total	mg/kg	26	18	22	27	--	18	26	21	19	19	19	16	--	19	24	--
Cobalt	mg/kg	6.3	5.7	7.3	7.9	--	6.4	6.6	9	6.7	8.4	9.1	7.6	--	9.5	9.7	--
Copper	mg/kg	9	7.1	10	10	--	8.7	9.7	9.4	7.6	11	11	--	9.5	9.9	10	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.5	4.4	3.2	8.5 J	--	3.2	5.1	2.9	2.4	1.3	1.7	--	1.7	1.7	1.2	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Nickel	mg/kg	10	8.5	12	13	--	10	11	13	9.9	12	13	12	--	14	15	--
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2.4	2.1 U	2.3	2.6	--	--	2.2	2.4
Vanadium	mg/kg	31	25	30	33	--	25	29	32	28	31	33	--	29	35	37	--
Zinc	mg/kg	41	29	36	39	--	39	37	37	100	38	43	--	36	41	41	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D
	SAMPLE	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	9.5	0	2.5	5.5	0	2	5	9	9	14	19	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
SAMPLE TYPE					Field Duplicate									Field Duplicate	Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	6300	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	14000	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	15000	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	5300	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	200	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	1600	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	210	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	50 U	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	33 U	--	--	34 U	35 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	17 U	--	--	17 U	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Anthracene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.1	5.8 U	5.9 U	--	5.8 U	5.8	5.9 U	5.9 U	5.9 U	6 U	6 U	5.9 U	--	--	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.7	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D
	SAMPLE	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	9.5	0	2.5	5.5	0	2	5	9	9	14	19	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
SAMPLE TYPE					Field Duplicate									Field Duplicate	Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	6	5 U	5.1 U	--	5 U	5.5	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Chrysene	ug/kg	5.2	5 U	5.1 U	--	5 U	6.1	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Fluoranthene	ug/kg	5.9	5 U	5.1 U	--	5 U	5.6	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Fluorene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Naphthalene	ug/kg	5 U	4 U	3.7 U	4 U	--	5 U	5 U	4.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
PAH High molecular weight	ug/kg	22.8	0	0	--	0	17.2	0	0	0	0	0	0	--	--	0	0
PAH Low molecular weight	ug/kg	0	0	0	--	0	0	0	0	0	0	0	0	--	--	0	0
Phenanthrene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Pyrene	ug/kg	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	330 UJ	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D
	SAMPLE	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	9.5	0	2.5	5.5	0	2	5	9	9	14	19	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
SAMPLE TYPE					Field Duplicate									Field Duplicate	Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	0.91 U	0.88 U	0.8 U	--	--	1.1 U	0.71 U	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	10.9	10 U	10 U	--	10 U	13.5	10 U	10 U	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	50 U	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	81 U	74 U	79 U	--	--	100 U	82 U	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	40 U	37 U	40 U	--	--	50 U	41 U	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	4 UJ	3.7 UJ	4 UJ	--	--	5 UJ	4.1 UJ	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D
	SAMPLE	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	9.5	0	2.5	5.5	0	2	5	9	9	14	19	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	0.5	3	6	10	10	15	20	15
SAMPLE TYPE					Field Duplicate									Field Duplicate	Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	660 U	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	40 U	37 U	40 U	--	--	50 U	41 U	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	40 U	37 U	40 U	--	--	50 U	41 U	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	9	2	0	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	0.5	3	6	10	10	3	1	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	10	3	0.5	6	10	0.5	3	6
	SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	210 J	310	690	93	360	330	80	49	--	1.4 U	--	--	--	280	290	240
1,2,3,4,6,7,8-HpCDF	ng/kg	21	34	150	15	48	46	4.3 J	5.8 J	--	0.43 U	--	--	--	1.3 U	170 U	100 U
1,2,3,4,7,8-HxCDD	ng/kg	0.65 J	1.9 J	1.1 J	0.15 U	2.2 J	2.4 J	0.26 U	0.15 U	--	0.093 U	--	--	--	1.7 U	1.7 U	14
1,2,3,4,7,8-HxCDF	ng/kg	0.81 J	2.2 J	1.4 U	0.38 J	2.2 J	2.8 J	0.18 U	0.11 U	--	0.059 U	--	--	--	1.4 J	1.9 U	1.3 U
1,2,3,4,7,8,9-HpCDF	ng/kg	1.5 U	2.5 J	8.6 J	1 U	3.4 J	3.4 J	0.83 J	0.69 J	--	0.1 U	--	--	--	1.5 U	4.3 U	2.7 U
1,2,3,6,7,8-HxCDD	ng/kg	4 J	10 J	19	3.1 J	11 J	12 J	1.5 J	--	3.1 J	0.095 U	--	--	--	7.8 J	11 J	1.3 U
1,2,3,6,7,8-HxCDF	ng/kg	0.44 U	1.6 U	0.64 U	0.26 U	1.2 U	1.1 U	0.33 U	0.069 U	--	0.058 U	--	--	--	2.1 J	5.8 U	13 U
1,2,3,7,8-PeCDD	ng/kg	0.32 U	0.65 U	0.22 U	0.099 U	1.2 U	1.4 U	0.2 U	--	0.17 J	0.073 U	--	--	--	0.53 U	1 U	0.63 U
1,2,3,7,8-PeCDF	ng/kg	0.088 U	0.6 J	0.16 U	0.078 U	1 J	0.79 U	0.19 U	0.082 U	--	0.06 U	--	--	--	0.47 U	0.95 U	1.1 U
1,2,3,7,8,9-HxCDD	ng/kg	0.66 U	4.1 J	2.5 J	0.63 U	4.9 J	4.7 J	0.13 U	--	0.92 J	0.09 U	--	--	--	4.9 J	2.7 U	2.1 U
1,2,3,7,8,9-HxCDF	ng/kg	0.43 U	0.63 U	0.93 U	0.11 U	0.69 J	0.75 J	0.36 J	0.12 U	--	0.15 U	--	--	--	0.68 U	0.76 U	1.5 U
2,3,4,6,7,8-HxCDF	ng/kg	37 U	56 U	190 U	26 U	110 U	100 U	7.8 U	14 U	--	0.062 U	--	--	--	65 U	1.9 J	1.3 U
2,3,4,7,8-PeCDF	ng/kg	0.069 U	0.64 U	0.17 U	0.081 U	0.64 U	0.86 U	0.047 U	0.085 U	--	0.063 U	--	--	--	0.88 U	1 U	1.2 U
2,3,7,8-TCDD	ng/kg	0.13 U	0.15 U	0.051 U	0.041 U	0.17 U	0.072 U	0.025 U	--	0.029 U	0.053 U	--	--	--	0.14 U	0.37 U	0.26 U
2,3,7,8-TCDF	ng/kg	0.038 U	0.094 U	0.1 U	0.045 U	0.25 J	0.25 U	0.036 U	--	0.024 U	0.15 U	--	--	--	0.68 U	0.37 U	0.41 U
OCDD	ng/kg	2100 J	3600	7600	1000	4000	3100	470	590	--	11 J	--	--	--	3300	3300	2600
OCDF	ng/kg	68 J	65	610	51	130	110	14 J	--	39	0.32 U	--	--	--	110	190	96
TEQ Avian	ng/kg	3	5.6	14	1.9	9.2	8.6	0.82	--	2.5	0.2	--	--	--	6	3.8	4
TEQ Human	ng/kg	5.7	9.8	23	3.2	14	13	1.7	--	4	0.12	--	--	--	9.3	7.6	6.8
TEQ Mammals	ng/kg	5.7	9.8	23	3.2	14	13	1.7	--	4	0.12	--	--	--	9.3	7.6	6.8
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	9	9.1	8.5	8	8.4	8.5	8.6
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U
Arsenic	mg/kg	1.1	1 U	1 U	1.2	1 U	1 U	1.5	1 U	--	4	3.1	2	1.2	2.6	3.1	2.5
Barium	mg/kg	84	58	72	78	57	60	47	--	63	160	130	90	98	110	91	100
Beryllium	mg/kg	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1.3	1.1	1.1	1.3	1.2	1	1.2	1.1	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.33	0.43	0.21 U	0.23	0.21 U	0.21 U	0.22	--	0.2 U	0.35	0.2 U	0.2 U	0.3	0.36	0.21 U
Chromium, total	mg/kg	23	27	18	17	43	18	14	--	17 J	11	17	17	13	15	22	11
Cobalt	mg/kg	8.2	6.4	6.5	7.3	7.8	6.1	7.3	--	6.8	6.3	5.8	6.7	7.2	4.1	5.4	4.1
Copper	mg/kg	13	8.9	8.9	10	11	17	8.6	--	9.2	12	11	11	8.6	8.3	9.7	7.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.1 U	1.1	7.1	1 U	1.1	1.1	1.1 U	1 U	--	5.4	28	2.9	1.9	5.7	8.4	6.9
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	13	10	8.5	9.5	16	8.8	9.9	7.9 J	--	8.8	9	11	8.7	7.3	12	7.7
Selenium	mg/kg	1.1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 UJ	2 UJ	2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	--	2 UJ	2 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U
Vanadium	mg/kg	26	24	23	27	22	20	23	--	21	28	27	31	32	22	24	19
Zinc	mg/kg	32	35	30	30	34	28	36	31	--	31	37	31	29	26	31	27
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	9	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	10	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	10	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Aluminum	mg/kg	8200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	26000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	0.21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	19000 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	6500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
4,4-DDE	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
4,4-DDT	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Aldrin	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endo sulfan I	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endosulfan sulfate	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endrin	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endrin aldehyde	ug/kg	2.1 U	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endrin ketone	ug/kg	2.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.3 U	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U
Toxaphene	ug/kg	53 U	--	--	--	--	--	--	--	--	51 UJ	52 UJ	51 UJ	50 UJ	51 U	51 U	52 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	34 U	35 U	33 U	33 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	30 J	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U	8.5 U	8.5 U	30	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Acenaphthene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Anthracene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	400 U	--	--	--	--	--	--	--	--	5.9 U	33	5.9 U	5.8 U	6.8	6 U	6 U
Benzo (a) anthracene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	12	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Benzo (a) pyrene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	19	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Benzo (b) fluoranthene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	82	5.1 U	5 U	12 J	5.2 U	5.2 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	9	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	10	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	10	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	14	5.1 U	5 U	5.1 UJ	5.2 UJ	5.2 UJ
Benzo (k) fluoranthene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	39	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Chrysene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	52 J	5.1 U	5 U	6.8	5.2 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 UJ	5.2 UJ	5.2 UJ
Fluoranthene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	38	5.1 U	5 U	5.4	5.2 U	5.2 U
Fluorene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	16	5.1 U	5 U	5.1 UJ	5.2 UJ	5.2 UJ
Naphthalene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	3.7 U	5 U	5.1 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	0	--	--	--	--	--	--	--	--	0	305	0	0	30.3	0	0
PAH Low molecular weight	ug/kg	0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
Phenanthrene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Pyrene	ug/kg	350 U	--	--	--	--	--	--	--	--	5.1 U	33	5.1 U	5 U	6.1	5.2 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	740 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	740 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	740 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1700 UJ
2,4-Dinitrotoluene	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	700 U	--	--	--	--	--	--	--	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
4-Bromophenyl phenyl ether	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	700 U	--	--	--	--	--	--	--	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
4-Chloroaniline	ug/kg	700 U	--	--	--	--	--	--	--	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
4-Chlorophenyl phenyl ether	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	740 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	740 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	740 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	700 U	--	--	--	--	--	--	--	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
bis (2-chloroethoxy) methane	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Caprolactam	ug/kg	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	9	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	10	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	10	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	10 U	18	10 U	10 U	12	160	30
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	1.7 U	--	1.4 U	1.3 U	--	1.1 U	1.2 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	10 U	99	10 U	10 U	93	520	130
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
1,1-Dichloroethene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
1,1-Dichloropropene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,1-Trichloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,2-Trichloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dibromoethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dichlorobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,2-Dichloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dichloropropane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2,3-Trichlorobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2,3-Trichloropropane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2,4-Trichlorobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,2,4-Trimethylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,3-Dichlorobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,3-Dichloropropane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,3,5-Trimethylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,4-Dichlorobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,4-Dioxane	ug/kg	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
2-Hexanone	ug/kg	53 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
2,4,5-Trichlorophenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Acetone	ug/kg	53 U	--	--	--	--	--	--	--	--	63 U	--	37 U	63 U	--	62 UJ	81 UJ
Acrolein	ug/kg	110 U	--	--	--	--	--	--	--	--	130 U	--	74 U	130 U	--	120 UJ	160 UJ
Acrylonitrile	ug/kg	53 U	--	--	--	--	--	--	--	--	63 U	--	37 U	63 U	--	62 U	81 U
Benzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
bis (2-chloroethyl) ether	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Bromobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromochloromethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromodichloromethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromoform	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromomethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	26	--	11	6.3 U	--	6.2 U	8.1 U
Carbon disulfide	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Carbon tetrachloride	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Chloro methane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	11	--	5.3	6.3 U	--	6.2 UJ	8.1 UJ
Chlorobenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Chloroethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	9	2	0	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	0.5	3	6	10	10	3	1	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	10	3	0.5	6	10	0.5	3	6
	SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS																
Chloroform	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
cis-1,2-Dichloroethene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
cis-1,3-Dichloropropene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Cyclohexane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Dibromomethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Dichlorodifluoromethane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Ethyl- benzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Hexachlorobutadiene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	690 U	3.7 U	6.3 U	680 U	6.2 U	8.1 U
Hexachlorocyclopentadiene	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Methyl acetate	ug/kg	5.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	--	--	--	--	--	--	--	--	63 U	--	37 U	63 U	--	62 U	81 U
Methyl isobutyl ketone	ug/kg	53 U	--	--	--	--	--	--	--	--	63 U	--	37 U	63 U	--	62 U	81 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Methylcyclohexane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
N-Butylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
N-Propylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Nitrobenzene	ug/kg	350 U	--	--	--	--	--	--	--	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
sec-Butylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Styrene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
tert-Butylbenzene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Tetrachloroethene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Toluene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
trans-1,2-Dichloroethene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
trans-1,3-Dichloropropene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Trichloroethene	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Vinyl chloride	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Xylene, m,p-	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Xylene, o-	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Xylenes, total	ug/kg	5.3 U	--	--	--	--	--	--	--	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	330	16	15	--	--	470	130	200	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	96 U	0.54 U	0.076 U	--	--	67	15	31	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	1.2 U	0.29 U	0.26 U	--	--	4.1 J	2.2 J	1.8 U	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	1.7 U	0.13 U	0.33 U	--	--	2.8 U	1.1 U	2.1 U	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	5.5 U	0.64 U	0.31 U	--	--	6.4 U	3.3 U	3.8 U	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	5.4 J	0.56 J	0.44 U	--	--	16	5.5 J	8.8 J	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	14 U	1.3 U	0.89 U	--	--	5.5 J	1.8 J	1.9 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.83 U	0.27 U	0.17 U	--	--	1.4 U	0.4 U	1.6 J	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	1.5 U	0.31 U	0.53 U	--	--	0.41 U	0.35 U	0.59 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	1.1 U	0.41 U	0.35 U	--	--	7.3 J	5.2 U	3.2 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	2 U	0.15 U	0.39 U	--	--	3.2 U	0.41 U	2.4 U	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	66 U	4.4 U	5.6 U	--	--	160 U	48 U	75 U	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	1.6 U	0.33 U	0.56 U	--	--	0.92 U	0.35 U	0.59 U	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.2 U	0.066 U	0.066 U	--	--	0.54 U	0.16 U	0.95 U	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.9 U	0.31 U	0.34 U	--	--	0.44 U	0.17 U	0.54 J	--	--	--	--	--	--	--
OCDD	ng/kg	--	3800	160	130	--	--	4200	1000	1700	--	--	--	--	--	--	--
OCDF	ng/kg	--	110	6.2 J	7.2 J	--	--	170	36	84	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	7.4	0.87	1	--	--	13	4	8	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	11	0.84	0.83	--	--	19	5.8	10	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	11	0.84	0.83	--	--	19	5.8	10	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.6	8.7	9.7	9.3	8.6	8.1	9.2	8.5	9.5	8.5	--	9.2	8.7	8.4	8.4	8.1
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.5	2.7	4.2	5.3	3.5	2.1	1.9	3.2	2.4	3.5	--	3.9	2.6	2.6	2	3.2
Barium	mg/kg	81	110	100	150	160	96	84	70 J	65	32	--	180	150	120	130	150
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.2	0.2 U	0.2	0.28	0.2 U	0.2 U	0.2 U	0.21 U	0.29	0.21 U	--	0.36	0.2 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	22	11	13	16	11	14	17	19	20	20	--	29	19	14	20	15
Cobalt	mg/kg	3.2	3.9	3.2	3.9	5.2	6.6	7.2	8.8	7.2	9.5	--	6.2	6.6	6.5	7.5	6.9
Copper	mg/kg	6.8	6.6	5.6	8.1	8.5	9.3	9.2	--	27	11	9.7	12	9.4	11	14	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.1	10	3.8	5.7	4.9	3.3	8.4	4.6	15	2.7	--	6.2	3.6	4.1	3	4.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.13	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	5.4	6.7	5.2	5.7	7.9	9.1	10	14	14	14	--	9.2	9.8	9.2	13	10
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	17	18	19	23	24	32	27	--	27	38	32	31	33	30	34	31
Zinc	mg/kg	47	250	24	24	30	32	38	42	74	41	--	37	33	30	34	32
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
4,4-DDE	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
4,4-DDT	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endrin	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endrin aldehyde	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	52 U	51 U	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	52 UJ	52 UJ	52 UJ	--	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	33 U	34 U	34 U	34 U	34 U	35 U	34 U	--	33 U	34 U	33 U	34 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	35 J	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	35	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.4	6.1	5.9 U	38	5.9 U	5.9 U	10	6 U	6.5	6 U	--	6.5	7.3	6.2	32	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.1 U	5.1 U	11	5.1 U	5.1 U	6.4	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1	5.1 U
Benzo (a) pyrene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	26	5.1 U	5.1 U	5.4	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	25	5.1 U
Benzo (b) fluoranthene	ug/kg	6.9 J	5.1 J	5.1 U	65	5.1 U	5.1 U	14	5.2 U	7.3	5.2 U	--	8.5 J	17 J	5.4	28	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	15	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	16	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	32	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	8.5 J	5.1 U	5.1 U	16	5.1 U
Chrysene	ug/kg	5.2 U	5.1 U	5.1 U	30 J	5.1 U	5.1 U	8.1	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	8.5	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	12	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1	5.1 U
Fluorene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	13	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	13	5.1 U
Naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	6.9	5.1	0	197	0	0	57.9	0	12.5	0	--	17	17	5.4	122	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5.4	5.1 U	5.1 U	12	5.2 U	5.2	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	27	49	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.2 U	--	1.1 U	1.2 U	1.1 U	--	1.5 U	1.2 U	1.4 U	--	--	1.3 U	1 U	1.2 U	--
TPH as motor oil	mg/kg	120	190	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1-Dichloroethene	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1-Dichloropropene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,1-Trichloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,1,2-Tetrachloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,2-Trichloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,2,2-Tetrachloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dibromo-3-chloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dibromoethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,2-Dichloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2,3-Trichlorobenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2,3-Trichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2,4-Trichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,2,4-Trimethylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,3-Dichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,3-Dichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,3,5-Trimethylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,4-Dichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Isopropyltoluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Acetone	ug/kg	60 UJ	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Acrolein	ug/kg	120 UJ	110 UJ	--	100 U	120 U	100 U	--	140 U	110 U	140 U	--	--	160 U	110 U	120 U	--
Acrylonitrile	ug/kg	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Benzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Bromobenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromochloromethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromodichloromethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromoform	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromomethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Carbon disulfide	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Carbon tetrachloride	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chloro methane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chlorobenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chloroethane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
cis-1,2-Dichloroethene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
cis-1,3-Dichloropropene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Dibromomethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Dichlorodifluoromethane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Ethyl- benzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Hexachlorobutadiene	ug/kg	6 U	5.6 U	670 U	5.2 U	5.8 U	5.2 U	670 U	6.8 U	5.6 U	7.1 U	--	670 U	7.8 U	5.5 U	6 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Isopropylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Methyl isobutyl ketone	ug/kg	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	6 UJ	5.6 UJ	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
N-Butylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
N-Propylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
p-Chlorotoluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
sec-Butylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Styrene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
tert-Butylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Tetrachloroethene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Toluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
trans-1,2-Dichloroethene	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
trans-1,3-Dichloropropene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Trichloroethene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Vinyl chloride	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Xylene, m,p-	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Xylene, o-	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Xylenes, total	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	1100	77	6.2 U	--	740	2.4 U	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.39 U	0.38 U	45	0.88 U	0.076 U	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.73 J	0.36 U	6 J	3.7 U	0.2 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	8.9 J	0.79 U	0.28 U	--	3.9 U	0.072 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	7.1 J	1.5 U	0.66 U	--	21	0.09 U	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	20	2.1 J	0.21 U	--	11 U	0.095 U	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.77 U	0.25 U	0.81 U	9.7 U	0.095 U	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.46 U	0.19 U	1.2 J	1.5 U	0.099 U	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.4 U	0.35 U	0.092 U	--	0.48 U	0.18 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	7.8 J	1.3 J	0.21 U	--	5.7 U	0.09 U	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.31 U	0.92 U	0.32 U	--	0.52 U	0.084 U	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.3 U	15 U	0.83 U	--	98 U	0.62 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.43 U	0.17 U	0.093 U	--	0.57 U	0.19 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.16 U	0.34 U	0.1 U	--	0.24 U	0.054 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.73 J	0.33 U	0.11 U	--	0.29 U	0.099 U	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	11000	790	88 U	--	10000	35	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	260	31	0.29 U	--	200	0.73 U	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	1.9	0.37 U	14	9.3	0.29	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	2.8	0.34 U	26	18	0.2	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	2.8	0.34 U	26	18	0.2	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	8.1	8.3	8.6	7.9	8.2	8.2	8.2	8.5	8.4	8.1	9.2	--	8.5	8.4	9.3
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2.1 UJ	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Arsenic	mg/kg	4.4	1.8	1.2	3.3	2.6	4.6	4.4	2.8	5.2	--	4	1.1	3.2	4.1	1.3	3.4
Barium	mg/kg	170	100	97	100	100	150 J	210	100	81	--	180	76	150 J	120	82	110
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1.5	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.34	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.22 U	--	0.2 U	0.2 U	0.28	0.48	0.2 U	0.31
Chromium, total	mg/kg	17	20	12	22	16	14	14	16	13	16	13	14	--	21	15	15
Cobalt	mg/kg	5.4	7.6	7	6.4	7.6	5.4	3.9	6.1	5.6	--	5.7	7.1	4.8	4.7	6.9	3.7
Copper	mg/kg	8.9	11	9.3	11	8.2	11	7	8.8	11	--	9.5	8.1	8.9	14	9.2	7.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7	2.9	1.9	5.5	3.8	6	4.3	3.7	6.5	7.3	5.9	2	--	38	2.4	7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.12	0.1	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.099 U	--	0.1 U	0.099 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	8.1	12	8.4	11	12	11	7	9.8	11	7.2	8.1	9.1	--	8.8	10	7.2
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Vanadium	mg/kg	25	29	32	34	36	25	21	29	27	--	25	36	25	24	34	19
Zinc	mg/kg	29	33	29	38	38	59 J	24	29	34	31	27	28	--	500	32	48
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
4,4-DDE	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
4,4-DDT	ug/kg	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Dieldrin	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endrin	ug/kg	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	5.1 UJ	5.2 UJ	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Toxaphene	ug/kg	51 UJ	51 UJ	51 UJ	51 UJ	52 UJ	51 U	52 U	54 U	55 U	51 U	51 UJ	50 UJ	--	51 U	50 U	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	33 U	34 U	34 U	34 U	34 U	36 U	36 U	34 U	33 U	33 U	--	34 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	32	17 U	49 J	20	18 U	18 U	--	17 U	17 U	21	17 U	17 U	17
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	32	8.5 U	49	20	9 U	9 U	--	8.5 U	8.5 U	21	8.5 U	8.5 U	17
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U	6.8	22	5 U	14
B(a)P Equivalent	ug/kg	7.4	6.2	5.9 U	11	6 U	6.5	6.3	6.2 U	6.4 U	--	6.7	5.8 U	24	85	5.8 U	27
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 UJ	5.2 UJ	5.4 UJ	5.5 UJ	--	5.1 U	5 U	11	26 J	5 UJ	6.1 J
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	6.1	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U	12	58 J	5 U	16 J
Benzo (b) fluoranthene	ug/kg	18 J	5.4 J	5.1 U	14	5.2 U	8.2	5.2	5.4 U	5.5 U	--	10	5 U	66	190 J	5 U	65 J

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1	5 U	12	22 J	5 U	14 J
Benzo (k) fluoranthene	ug/kg	5.1 U	7.8 J	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	8.4	5 U	22	68 J	5 U	20 J
Chrysene	ug/kg	5.1 U	5.1 U	5.1 U	10	5.2 U	5.1	5.2 U	5.4 U	5.5 U	--	8.1 J	5 U	36 J	89 J	5 U	30 J
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 UJ	5.1 U	5 U	--	5.1 UJ	5 U	5.1 UJ
Fluoranthene	ug/kg	6.4	5.1 U	5.1 U	16	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	9.1	5 U	25	20	5 U	9.9
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U	12	16 J	5 U	8.5 J
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
PAH High molecular weight	ug/kg	30.5	13.2	0	60.1	0	13.3	5.2	0	0	--	51.7	0	220	510	0	179
PAH Low molecular weight	ug/kg	0	0	0	5.4	0	0	0	0	0	--	0	0	6.8	32.2	0	14
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	5.4	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1	5 U	5.1 U
Pyrene	ug/kg	6.1	5.1 U	5.1 U	14	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	11	5 U	24	21	5 U	9.5
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2-Chlorophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2-Methylphenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1800 UJ	1800 UJ	1700 UJ	1700 UJ	1700 UJ	--	1700 UJ	1700 UJ	1700 UJ
2,4-Dinitrotoluene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
4-Chloroaniline	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Methylphenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Butylbenzylphthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Dibenzofuran	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Diethyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Dimethyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Hexachlorobenzene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Hexachloroethane	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	10 U	10 U	10 U	--	18	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.1 U	1.1 U	--	1.4 UJ	--	1.3 U	1.4 U	1.6 U	--	0.76 U	1.2 U	--	1.2 U	1.1 U	--
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	--	11	12	48	91	10 U	54
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
1,1-Dichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
1,1-Dichloropropene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,1-Trichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,1,2-Tetrachloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,2-Trichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,2,2-Tetrachloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dibromo-3-chloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dibromoethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,2-Dichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2,3-Trichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2,3-Trichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2,4-Trichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,2,4-Trimethylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,3-Dichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,3-Dichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,3,5-Trimethylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,4-Dichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
2,4,5-Trichlorophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Isopropyltoluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Acetone	ug/kg	74 U	57 UJ	2900 UJ	--	83 UJ	--	60 UJ	64 U	65 UJ	--	68 U	61 U	--	56 UJ	64 U	--
Acrolein	ug/kg	150 U	110 U	5800 U	--	170 U	--	120 UJ	130 UJ	130 UJ	--	140 U	120 U	--	110 UJ	130 UJ	--
Acrylonitrile	ug/kg	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U	--	56 U	64 U	--
Benzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Bromobenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromochloromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromodichloromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromoform	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromomethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Carbon disulfide	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Carbon tetrachloride	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Chloro methane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Chlorobenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Chloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
cis-1,2-Dichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
cis-1,3-Dichloropropene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Dibromomethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Dichlorodifluoromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Ethyl- benzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Hexachlorobutadiene	ug/kg	7.4 U	5.7 U	290 U	670 U	8.3 U	680 U	6 U	6.4 U	6.5 U	670 U	6.8 U	6.1 U	--	5.6 U	6.4 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Isopropylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U	--	56 U	64 U	--
Methyl isobutyl ketone	ug/kg	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U	--	56 U	64 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 UJ	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 UJ	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
N-Butylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
N-Propylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Nitrobenzene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
p-Chlorotoluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
sec-Butylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Styrene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
tert-Butylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Tetrachloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Toluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
trans-1,2-Dichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
trans-1,3-Dichloropropene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Trichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Vinyl chloride	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Xylene, m,p-	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Xylene, o-	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Xylenes, total	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
	SAMPLE TYPE																
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	96	420	9 J	--	71	6.2 J	2.2 J	610	180	47	1500	1500	45	330	31
1,2,3,4,6,7,8-HpCDF	ng/kg	--	19	79 U	1.5 U	--	15	1.2 J	0.27 U	99	24	10 J	240	380	0.48 U	67	4.7 J
1,2,3,4,7,8-HxCDD	ng/kg	--	3.7 J	15 U	0.31 U	--	2.5 J	0.29 J	0.057 U	32	7.3 J	1.9 J	38	62	2 J	11 J	1.4 J
1,2,3,4,7,8-HxCDF	ng/kg	--	3.2 J	12 J	0.2 U	--	1.6 J	0.072 U	0.094 U	14	3.6 J	0.77 U	27	68	1.1 J	7 J	0.72 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	1.2 U	6.6 J	0.95 U	--	0.91 U	0.13 U	0.051 U	6.4 J	1.6 J	0.19 U	17	36	0.57 U	3.9 U	1.2 U
1,2,3,6,7,8-HxCDD	ng/kg	--	9.1 J	52	0.27 U	--	6.4 J	0.87 J	0.057 U	77	17	5.2 J	100	160	4.1 J	27	1.8 U
1,2,3,6,7,8-HxCDF	ng/kg	--	3.6 J	13 U	0.13 U	--	1.7 J	0.15 U	0.09 U	12 J	2.8 U	0.92 U	26	25 U	0.88 J	6.6 U	0.52 U
1,2,3,7,8-PeCDD	ng/kg	--	5.8 J	32	0.17 U	--	4 J	0.51 U	0.074 U	70	17	4.3 J	45	110	2.4 J	14	1.4 J
1,2,3,7,8-PeCDF	ng/kg	--	1.9 U	5.7 U	0.14 U	--	0.89 U	0.14 U	0.11 U	7.6 J	2 J	0.29 U	16	39	0.59 U	3.9 J	0.43 U
1,2,3,7,8,9-HxCDD	ng/kg	--	7.4 J	34	0.38 U	--	5.6 J	0.68 J	0.056 U	67	16	4.7 U	63 U	120	3.1 U	21	1.3 U
1,2,3,7,8,9-HxCDF	ng/kg	--	0.9 U	3 U	0.55 J	--	0.27 U	0.083 U	0.11 U	3.1 J	0.94 U	0.57 U	5.7 U	14 U	0.2 U	1 U	1.2 U
2,3,4,6,7,8-HxCDF	ng/kg	--	4.3 J	13 U	0.34 U	--	12 U	0.8 U	0.41 U	14	18 U	5.9 U	26	81	1 U	30 U	5.1 U
2,3,4,7,8-PeCDF	ng/kg	--	3.1 J	12 J	0.14 U	--	1.5 J	0.14 U	0.11 U	11 J	3.2 J	0.68 U	26	65	0.85 J	6.7 J	0.51 J
2,3,7,8-TCDD	ng/kg	--	1.5 U	9.1 U	0.091 U	--	1.3 J	0.099 U	0.038 U	19	5.7	0.87 U	6.4	29	0.25 U	4 J	0.17 U
2,3,7,8-TCDF	ng/kg	--	1.2 J	4.6 U	0.31 U	--	0.78 J	0.067 U	0.026 U	5.4	1.5 J	0.35 U	17	26 U	0.15 U	3.9 J	0.43 U
OCDD	ng/kg	--	380	1100	33 U	--	420	29 U	27 U	2300	860	330 B	6500	4000	190 U	1500	170 U
OCDF	ng/kg	--	12 J	40	0.89 U	--	34	1 U	0.85 U	84	29	12 U	140	190	5.4 U	53	6.8 U
TEQ Avian	ng/kg	--	13	59	0.5	--	9.6	0.58	0.17	120	32	6.2	110	260	4.1	36	2.9
TEQ Human	ng/kg	--	12	57	0.41	--	9.2	0.65	0.15	120	32	6.9	110	230	4.3	33	2.8
TEQ Mammals	ng/kg	--	12	57	0.41	--	9.2	0.65	0.15	120	32	6.9	110	230	4.3	33	2.8
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	9.4	8.2	8.4	8.2	--	--	--	8.2	9.8	9.1	10	10	8.8	10	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	3.5	2 U	2 U	2 U
Arsenic	mg/kg	1.6	2.1	4.4	2.1	2.1	2.3	1 U	1.4	5.2	3.4	2.7	5.7	20	2.6	2	2.5
Barium	mg/kg	93	180	190	62	36	130	68	97	200	120	70	190	180	28	130	39
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1.1	1 U	1 U	2.3	1 U	1.2	1.5	1 U	1 U	1.7	4.5	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.3	1.3	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.87 J	4.8	0.21 U	2.7	4	0.5	0.49	0.2 U
Chromium, total	mg/kg	13	25	50 J	18	18	20	10	13	43	24	39	150	290	16	20	17
Cobalt	mg/kg	6.3	8.3	7.6	8	7.7	7.7	5	6.3	6.7	6.9	8.6	11	16	7.7	7	7.3
Copper	mg/kg	8.6	25	100 J	7.9	9.1	36	7.4	8.3	500	76	18	580	1000	9.8	29	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.5	73	190 J	2.1	2.1	19	1.4	1 U	630	37	51	170	570	2.6	24	6.1
Mercury	mg/kg	0.1 U	0.13	0.47	0.13	0.12	0.1 U	0.1 U	0.1 U	0.51	0.26	0.14	0.32	0.95	0.1 U	0.17	0.1 U
Molybdenum	mg/kg	1 U	1 U	4.7 J	1 U	1 U	1 U	1 U	1 U	8.3	1 U	1 U	11	26	1 U	1 U	1 U
Nickel	mg/kg	8.8	13	16	14	13	15	6.9	8.2	22	16	26	35	97	12	11	12
Selenium	mg/kg	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1.7 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2 UJ	2 UJ	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2 U	2 U	2 U
Vanadium	mg/kg	30	38	26 J	29	31	22	18	24	23	26	33	27	17	29	28	30
Zinc	mg/kg	33	250	330 J	39	38	1200	28	30	700	130	92	420	1300	38	93	45
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	8100	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	21000	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	0.21 U	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	28000	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	6200	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	310	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	2900	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	460	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
4,4-DDE	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
4,4-DDT	ug/kg	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endrin	ug/kg	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 UJ	5.2 UJ	5.2 UJ	5.2 U	--	--	5.3 U	5.2 U	5.2 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	51 U	51 UJ	51 UJ	52 UJ	52 UJ	52 U	--	--	53 UJ	52 UJ	52 UJ	51 UJ	57 UJ	51 UJ	51 UJ	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	34 U	34 U	34 U	34 U	34 U	33 U	33 U	35 U	34 U	34 U	34 U	38 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	9 U	8.5 U	8.5 U	8.5 U	9.5 U	8.5 U	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	8.3	5.1 U	5.1 U	51 J	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	39	9.2 J	5.2 U	5.2 U	55	5.1 U	5.1 U	710 J	6.9	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.4	400	1300	6 U	6 U	370	5.9 U	5.9 U	3300	1200	20	470	96	5.9 U	42	5.9 U
Benzo (a) anthracene	ug/kg	5 UJ	440	1300	5.2 U	5.2 U	490 J	5.1 U	5.1 U	3400 J	560	9.3	430	94 J	5.1 U	28	5.1 U
Benzo (a) pyrene	ug/kg	5 U	270	930 J	5.2 U	5.2 U	250 J	5.1 U	5.1 U	2000 J	930 J	13	340 J	57 U	5.1 U	30	5.1 U
Benzo (b) fluoranthene	ug/kg	8.7	540	2100 J	5.2 U	5.2 U	560	5.1 U	5.1 U	3400 J	1800 J	24	740 J	260 J	5.1 U	47	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	79	130	5.2 U	5.2 U	140 J	5.1 U	5.1 U	1500 J	22	6.9	25 J	57 U	5.1 U	16	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	160	830 J	5.2 U	5.2 U	130 J	5.1 U	5.1 U	1300 J	660 J	7.2	410 J	94	5.1 U	17	5.1 U
Chrysene	ug/kg	8.1	480	1200	5.2 U	5.2 U	410 J	5.1 U	5.1 U	3000 J	580	10	400	100 J	5.1 U	31	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	20	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	530 J	6.9	5.1 U	5.1 U	57 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	15	1100	2800	5.2 U	5.2 U	920	5.1 U	5.1 U	8600 J	660	12	540	100 J	5.1 U	33	5.1 U
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	9.2 J	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	81	95	5.2 U	5.2 U	140 J	5.1 U	5.1 U	1200 J	19	5.5	24 J	57 U	5.1 U	13	5.1 U
Naphthalene	ug/kg	5.3	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	6.4 J	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	4.9 U
PAH High molecular weight	ug/kg	44.8	4040	11700	0	0	3780	0	0	31500	5830	98.9	3390	736	0	250	0
PAH Low molecular weight	ug/kg	5.3	459	779	0	0	543	0	0	3880	40.9	0	25	60	0	9.2	0
Phenanthrene	ug/kg	16	420	770	5.2 U	5.2 U	480 J	5.1 U	5.1 U	3100 J	34	5.1 U	25	60 J	5.1 U	9.2	5.1 U
Pyrene	ug/kg	13	870	2300	5.2 U	5.2 U	740	5.1 U	5.1 U	6600 J	590	11	480	88 J	5.1 U	35	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
4-Chloroaniline	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
	SAMPLE TYPE																
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	120	10 U	10 U	12	10 U	10 U	79	11	10 U	35	96	10 U	10 U	10 U
TPH as gasoline	mg/kg	2 U	--	1.2 U	1.4 U	1.3 U	1.6 U	1.4 U	1.2 U	--	1.5 U	1.4 U	--	2.2 U	1.3 U	1.1 U	1.1 U
TPH as motor oil	mg/kg	10 U	16	780	10 U	10 U	37	15	12	200	40	17	270	790	33	56	12
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1-Dichloroethene	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1-Dichloropropene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,1-Trichloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,2-Trichloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dibromoethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,2-Dichloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2,3-Trichlorobenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2,3-Trichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2,4-Trichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,2,4-Trimethylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,3-Dichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,3-Dichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,3,5-Trimethylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,4-Dichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,4-Dioxane	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
2-Hexanone	ug/kg	--	--	--	--	--	65 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
2,4,5-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Acetone	ug/kg	51 UJ	--	65 UJ	73 UJ	58 UJ	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 UJ	49 U
Acrolein	ug/kg	100 UJ	--	130 U	150 U	120 U	130 U	--	--	--	170 U	140 U	--	250 U	130 U	130 U	97 U
Acrylonitrile	ug/kg	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 U	49 U
Benzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Bromobenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromochloromethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromodichloromethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromoform	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromomethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	23	4.9 U
Carbon disulfide	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Carbon tetrachloride	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Chloro methane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	9.2	4.9 U
Chlorobenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Chloroethane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
cis-1,2-Dichloroethene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
cis-1,3-Dichloropropene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Cyclohexane	ug/kg	--	--	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Dibromomethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Dichlorodifluoromethane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Ethyl- benzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Hexachlorobutadiene	ug/kg	5.1 U	680 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	700 U	8.5 U	7.1 U	670 U	12 U	6.6 U	6.3 U	4.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	680 U	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Methyl acetate	ug/kg	--	--	--	--	--	6.5 UJ	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 U	49 U
Methyl isobutyl ketone	ug/kg	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 U	49 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Methylcyclohexane	ug/kg	--	--	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
N-Butylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
N-Propylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
sec-Butylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Styrene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
tert-Butylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Tetrachloroethene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Toluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
trans-1,2-Dichloroethene	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
trans-1,3-Dichloropropene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Trichloroethene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Vinyl chloride	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Xylene, m,p-	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Xylene, o-	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Xylenes, total	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28d-01	AOC28d-01	AOC28d-01	AOC28-OS1	AOC28-OS1
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	300a-09-1000	300a-09-1001
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	2	0	0	2	0	2	5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
SAMPLE TYPE					Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	110	60	20	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	23	0.64 U	3.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	1.3 J	0.41 U	0.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.84 U	0.73 U	0.27 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	1.8 U	0.76 U	0.94 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	3.7 J	0.35 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	1.3 J	0.64 U	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.37 U	0.57 U	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.69 U	0.82 U	0.36 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	2.2 U	0.36 U	0.79 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.36 U	0.83 U	0.34 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	36 U	9.7 U	3.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.69 U	0.52 U	0.33 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	1.2 U	0.21 U	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	1.4 J	1.9 U	0.91 J	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	960	540 B	150 U	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	120	23 J	6.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	5.2	2.4	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	5.3	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	5.3	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.2	8.4	8.9	8.2	--	--	--	--	--	--	--	--	--	8.9	8.8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 UJ	2 U	2 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	2.1	2.1	2.9	1.2	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	140	120	120	--	88	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.2 U	--	0.2 U	--	--	--	--	--	--	--	--	--	--	--
Chromium, total	mg/kg	--	14	15	14	11	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg	5.9	5.7	6.7	--	5.8	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	8.2	8.3	11	--	7.8	--	--	--	--	--	--	--	--	--	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	3.7	2.7	5.9	1.6	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	0.1 U	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	9.3	11	9.7	7.9	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	1 UJ	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2 U	2 U	2 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	25	25	33	--	28	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	35	36	38 J	28	--	--	--	--	--	--	--	--	--	--	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28d-01	AOC28d-01	AOC28d-01	AOC28-OS1	AOC28-OS1
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	300a-09-1000	300a-09-1001
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	2	0	0	2	0	2	5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
SAMPLE TYPE					Field Duplicate				Field Duplicate								
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	51 UJ	51 UJ	51 UJ	--	51 UJ	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	--	34 U	35 U	34 U	--	33 U	34 U	34 U	33 U	34 U	34 U	33 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	19	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	19	8.5 U	8.5 U	--	8.5 U	0 U	0 U	--	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	50 U	51 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	5.9 U	5.9 U	6.4	5.9 U	6.5	6 U	--	5.9 U	23	6.2	5.9 U	5.9 U	6 U	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	8.5	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	15 J	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	5.1 U	5.1 U	7.5	5.1 U	8 J	5.2 U	--	5.1 U	38 J	6.1 J	5.1 U	5.1 U	5.2 U	5 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28d-01	AOC28d-01	AOC28d-01	AOC28-OS1	AOC28-OS1
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	300a-09-1000	300a-09-1001
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011
	SAMPLE TOP DEPTH (FT)	0	2	5	0	9	0	2	2	0	0	2	0	2	5	0	2.5
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
	SAMPLE TYPE				Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	13 J	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Chrysene	ug/kg	--	5.1 U	5.1 U	6.1	5.1 U	5.2 U	5.2 U	--	5.1 U	19	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Fluoranthene	ug/kg	--	5.1 U	5.1 U	6.5	5.1 U	5.2	5.2 U	--	5.1 U	37	7.1	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	50 U	8.3 U
PAH High molecular weight	ug/kg	--	0	0	27.2	0	13.2	0	--	0	167	20	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	--	0	0	0	--	0	7.8	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	7.8	5.1 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Pyrene	ug/kg	--	5.1 U	5.1 U	7.1	5.1 U	5.2 U	5.2 U	--	5.1 U	36	6.8	5.1 U	5.1 U	5.2 U	5 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28d-01	AOC28d-01	AOC28d-01	AOC28-OS1	AOC28-OS1
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	300a-09-1000	300a-09-1001
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	2	0	0	2	0	2	5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
SAMPLE TYPE					Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	330 U	330 U
Phenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	10 U	10 U	--	17	50	10 U	10 U	10 U	10 U	10 U	32	16
TPH as gasoline	mg/kg	--	1 U	1.7 U	--	0.99 U	--	--	1.3 U	--	--	1.1 U	--	1.1 U	1.1 U	--	1.1 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	--	10 U	130	--	210	410	53	17	11	73	12	150	15
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1-Dichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1-Dichloropropene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1,1-Trichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1,1,2-Tetrachloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1,2-Trichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,1,2,2-Tetrachloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2-Dibromo-3-chloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2-Dibromoethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2-Dichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2-Dichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2-Dichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2,3-Trichlorobenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2,3-Trichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2,4-Trichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,2,4-Trimethylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,3-Dichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,3-Dichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,3,5-Trimethylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,4-Dichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 UJ
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Acetone	ug/kg	--	54 UJ	67 UJ	--	63 UJ	--	--	--	--	--	--	--	--	--	--	83 U
Acrolein	ug/kg	--	110 U	130 U	--	130 U	--	--	--	--	--	--	--	--	--	--	170 U
Acrylonitrile	ug/kg	--	54 U	67 U	--	63 U	--	--	--	--	--	--	--	--	--	--	83 U
Benzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Bromochloromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Bromodichloromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Bromoform	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Bromomethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Carbon disulfide	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Carbon tetrachloride	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Chloro methane	ug/kg	--	5.5	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Chlorobenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Chloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28d-01	AOC28d-01	AOC28d-01	AOC28-OS1	AOC28-OS1
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	300a-09-1000	300a-09-1001
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	2	0	0	2	0	2	5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	0.5	3
SAMPLE TYPE					Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
cis-1,2-Dichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
cis-1,3-Dichloropropene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Dibromomethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Dichlorodifluoromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Ethyl- benzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Hexachlorobutadiene	ug/kg	--	5.4 U	6.7 U	670 U	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	54 U	67 U	--	63 U	--	--	--	--	--	--	--	--	--	--	83 U
Methyl isobutyl ketone	ug/kg	--	54 U	67 U	--	63 U	--	--	--	--	--	--	--	--	--	--	83 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
N-Butylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
N-Propylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Nitrobenzene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
sec-Butylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Styrene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
tert-Butylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Tetrachloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Toluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
trans-1,2-Dichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
trans-1,3-Dichloropropene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Trichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Vinyl chloride	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Xylene, m,p-	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Xylene, o-	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U
Xylenes, total	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	--	--	--	8.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33
	SAMPLE	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183
	DATE	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017
SAMPLE TOP DEPTH (FT)		5.5	9	0	2.5	5.5	8.5	0	0.5	2	0	2	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	9.5	0.5	3	6	9	0.5	1	3	1	3	1	1	1	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9.5	0.5	3	6	9	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	180	20	290	130	66	84	4 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	17	3.3 J	21	8.2 J	4.4 J	4.2 J	0.21 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	2.3 J	0.63 U	3.7 J	1.9 J	1.5 J	1.5 U	0.15 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	2.3 J	0.3 U	2.2 U	1.2 J	0.55 U	0.87 U	0.1 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	2.3 U	0.26 U	2.3 J	0.78 U	0.48 U	0.64 U	0.086 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	5.7 J	0.63 U	8.1 J	3.8 J	3 U	3.3 J	0.15 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.8 U	0.29 U	2.3 J	0.76 U	0.58 J	1.2 U	0.087 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	3.1 U	0.49 U	1.7 U	2 U	0.72 U	0.79 U	0.14 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.94 J	0.13 U	1.2 J	0.15 U	0.25 U	0.24 U	0.17 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	4.5 J	0.6 U	5.8 J	3.1 J	2 U	2.1 U	0.19 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.36 U	0.33 U	1.5 U	0.31 U	0.097 U	0.3 U	0.099 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	6 U	4.1 U	13 U	4.4 U	2.9 U	5.6 U	0.46 J
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.1 U	0.17 U	1.6 J	0.53 J	0.26 U	0.25 U	0.18 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.51 U	0.25 U	0.22 U	0.12 U	0.13 U	0.16 U	0.04 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.45 U	0.67 J	1.2 U	0.55 U	0.23 U	0.29 U	0.053 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	1200	160	2000	820	370	670	25
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	28	9.5 J	48	13 J	6.8 J	6.5 J	0.55 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	4.4	1.5	5.9	3	1.3	1.5	0.3
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	6.3	1.1	8.1	4.2	1.9	2.5	0.26
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	6.3	1.1	8.1	4.2	1.9	2.5	0.26
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.1	9.8	8.4	8.2	8.4	8.1	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	2.1 UJ	2 UJ	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	--	--
Arsenic	mg/kg	--	--	--	--	--	9.3	3.7	4	3.6	7.9	8.5	7.1	3.4	4	--	--
Barium	mg/kg	--	--	--	--	--	240	440 J	120	120	470	500	380	160	170	--	--
Beryllium	mg/kg	--	--	--	--	--	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--
Cadmium	mg/kg	--	--	--	--	--	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.41 UJ	--	0.4 UJ	--	0.41 UJ	0.49	0.4 U	0.41 U	--	--	--	--	--	--	--
Chromium, total	mg/kg	--	17	--	--	--	24	47	32	20	46	28	26	16	16	--	--
Cobalt	mg/kg	--	--	--	--	--	9.1	6.7	9.6	7.4	7.9	7.3	7.1	6.4	6.3	--	--
Copper	mg/kg	--	--	--	--	--	10 U	16	13	12	13	12	12	11	15	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	7.2	8.5	10	17	7.6	5.9	8.8	7.4	8.7	--	--
Mercury	mg/kg	--	--	--	--	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--
Molybdenum	mg/kg	--	3.7	--	--	--	5	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--
Nickel	mg/kg	--	--	--	--	--	17	19	17	13	29 J	26	28	15	14	--	--
Selenium	mg/kg	--	--	--	--	--	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--
Silver	mg/kg	--	--	--	--	--	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--
Thallium	mg/kg	--	--	--	--	--	2.1 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	--	--
Vanadium	mg/kg	--	--	--	--	--	45	23	32	30	36	36	33	23	22	--	--
Zinc	mg/kg	--	--	--	--	--	70	48	47	39	49	34	41	34	40	--	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33
	SAMPLE	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183
	DATE	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017
SAMPLE TOP DEPTH (FT)		5.5	9	0	2.5	5.5	8.5	0	0.5	2	0	2	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	9.5	0.5	3	6	9	0.5	1	3	1	3	1	1	1	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9.5	0.5	3	6	9	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	8400	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	21000	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	20000	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	7900	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	310	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	2500 J	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	270	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2 UJ	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	50 U	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	33 U	33 U	33 U	34 U	33 U	--	--	33 U	34 U	33 U	33 U	33 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	24	--	--	78	57	110	57	49	70	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	38 J	17 U	87	48	37	58	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	0 U	0 U	0 U	0 U	0 U	0 U	32.5	--	--	133	82.5	214	122	103	145	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	51 U	51 U	50 U	50 U	50 U	51 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6.6	8.4	5.8 U	5.8 U	5.9 U	20	5.8 U	5.9 U	60	68	27	9.5	6.5	18	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	8.8	5 U	5 U	5 U	5.1 U	14	5 U	5.1 U	47	59 J	21	5.7	5.1 U	12	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	11	5 U	5.1 U	42	48 J	18	5	5.1 U	11	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	6	5 U	5 U	5.1 U	37	5 U	5.1 U	81	88 J	34	11	8.8	28	5.1 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33
	SAMPLE	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183
	DATE	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017
	SAMPLE TOP DEPTH (FT)	5.5	9	0	2.5	5.5	8.5	0	0.5	2	0	2	0	0	0	0	2
	SAMPLE BOTTOM DEPTH (FT)	6	9.5	0.5	3	6	9	0.5	1	3	1	3	1	1	1	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	9.5	0.5	3	6	9	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	12	5 U	5.1 U	29	30 J	12	5 U	5.1 U	9.8	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	18	5 U	5.1 U	23	24 J	11	5 U	5.1 U	5.7	5.1 U
Chrysene	ug/kg	5.1 U	37	5 U	5 U	5 U	5.1 U	28	5 U	5.1 U	50	61 J	22	6.7	5.7	15	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	37	5 U	5.1 U	110	140 J	49	14	10	31	5.1 U
Fluorene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	50 U	5 U	5 U	5.1 U	12	5 U	5.1 U	27	28 J	11	5 U	5.1 U	8.4	5.1 U
Naphthalene	ug/kg	6.9 U	5.8 U	5.7	6.6 U	7.8 U	6 U	5 U	5 U	4.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	65.8	6	0	0	0	193	0	0	509	598	224	55.4	34.3	150	0
PAH Low molecular weight	ug/kg	0	0	5.7	0	0	0	10	0	0	11	23	5.1	0	0	8.4	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	10	5 U	5.1 U	11	23 J	5.1	5 U	5.1 U	8.4	5.1 U
Pyrene	ug/kg	5.1 U	20	5 U	5 U	5 U	5.1 U	24	5 U	5.1 U	100	120 J	46	13	9.8	29	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	660 U	660 U	660 U	680 U	330 U	330 U	330 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	660 U	660 U	660 U	680 U	660 U	670 U	670 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	660 U	660 U	660 U	680 U	330 U	330 U	330 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	660 U	660 U	660 U	680 U	660 U	670 U	670 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	810	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33
	SAMPLE	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183
	DATE	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017
SAMPLE TOP DEPTH (FT)		5.5	9	0	2.5	5.5	8.5	0	0.5	2	0	2	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	9.5	0.5	3	6	9	0.5	1	3	1	3	1	1	1	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9.5	0.5	3	6	9	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	340 U	340 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	17	160	10 U	17	10 U	12	10 U	10 U	10 U	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.3 U	1.2 U	--	1.3 U	1.8 U	1.2 U	--	--	0.98 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	34	700	10 U	37	10 U	39	10 U	10 U	10 U	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 UJ	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	330 U	4.2 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	330 U	4.2 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	330 U	4.2 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	330 U	4.2 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	42 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.9 UJ	5.8 UJ	--	6.6 UJ	7.8 UJ	6 UJ	--	--	4.2 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	330 U	330 U	330 U	340 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Acetone	ug/kg	69 U	58 U	--	66 U	78 U	60 U	--	--	42 U	--	--	--	--	--	--	--
Acrolein	ug/kg	140 U	120 U	--	130 U	160 U	120 U	--	--	84 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	69 U	58 U	--	66 U	78 U	60 U	--	--	42 U	--	--	--	--	--	--	--
Benzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Bromoform	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33
	SAMPLE	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183
	DATE	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017
SAMPLE TOP DEPTH (FT)		5.5	9	0	2.5	5.5	8.5	0	0.5	2	0	2	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	9.5	0.5	3	6	9	0.5	1	3	1	3	1	1	1	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9.5	0.5	3	6	9	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Dibromomethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	6.9 U	5.8 U	660 U	6.6 U	7.8 U	6 U	330 U	330 U	4.2 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	660 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	69 U	58 U	--	66 U	78 U	60 U	--	--	42 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	69 U	58 U	--	66 U	78 U	60 U	--	--	42 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Styrene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Toluene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	--	4.2 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02
	SAMPLE	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086
	DATE	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	270	230	270	470	27 U	520	200	--	68	55	530	33	110	0.98 U	--	1400
1,2,3,4,6,7,8-HpCDF	ng/kg	19	13	19	41	2.5 U	58	23	--	5.4 J	3.6 J	28	2.5 U	9.6 J	0.16 U	--	160
1,2,3,4,7,8-HxCDD	ng/kg	5.8 J	3.4 U	3.2 U	7 J	1.1 U	1.7 U	4.3 J	--	1 U	0.78 U	2 U	0.25 U	1.8 U	0.29 U	--	22
1,2,3,4,7,8-HxCDF	ng/kg	2 J	1.3 J	3.4 U	6.2 U	0.6 U	8.4 J	--	3.4 U	0.83 U	0.62 J	1.6 U	0.17 U	2.5 J	0.19 U	--	43 U
1,2,3,4,7,8,9-HpCDF	ng/kg	2.9 J	1.5 J	2.1 U	2.2 U	0.38 U	1.3 U	2.5 J	--	0.99 J	0.29 U	1.7 J	0.17 U	0.84 J	0.19 U	--	13
1,2,3,6,7,8-HxCDD	ng/kg	10 J	9.2 J	8.4 J	17	1.1 U	7.4 U	9.1 J	--	3.2 J	2.1 J	9.2 J	1.5 J	4.4 J	0.29 U	--	59
1,2,3,6,7,8-HxCDF	ng/kg	2.3 U	1.9 J	2.6 J	2.7 U	0.34 U	2 U	--	3.1 J	0.87 J	0.47 J	0.79 U	0.33 U	1.9 U	0.17 U	--	33
1,2,3,7,8-PeCDD	ng/kg	2.8 J	1.7 U	2.1 U	3.9 U	1.4 U	1.2 U	--	1.9 U	0.21 U	0.13 U	0.21 U	0.3 U	1 U	0.42 U	--	16 U
1,2,3,7,8-PeCDF	ng/kg	0.94 U	0.46 U	1.7 U	1.5 U	0.38 U	1.8 U	2.5 J	--	0.47 J	0.3 U	0.46 J	0.14 U	2.1 J	0.3 U	--	21
1,2,3,7,8,9-HxCDD	ng/kg	10 J	7.4 J	6.2 J	14	1.1 U	2.5 U	7.7 J	--	2.2 J	1.5 J	4.3 J	1.3 J	3.1 J	0.29 U	--	43
1,2,3,7,8,9-HxCDF	ng/kg	1.2 J	0.42 U	1.4 U	1.8 U	0.41 U	2.3 U	--	0.36 U	0.62 J	0.2 J	0.6 J	0.19 U	0.99 U	0.35 U	--	11 J
2,3,4,6,7,8-HxCDF	ng/kg	10 U	11 U	3.1 U	5.4 U	0.39 U	4.1 U	4.8 J	--	3.1 U	2.5 U	5.3 U	2.6 U	1.8 J	0.2 U	--	48
2,3,4,7,8-PeCDF	ng/kg	0.91 U	0.37 U	2.2 U	4 U	0.37 U	1.5 U	--	2.4 J	0.26 U	0.29 U	0.42 J	0.14 U	4.8 U	0.3 U	--	36
2,3,7,8-TCDD	ng/kg	0.16 U	0.14 U	0.39 U	0.96 U	0.21 U	0.21 U	0.59 J	--	0.33 U	0.11 J	0.078 U	0.12 U	0.16 U	--	0.17 U	3 J
2,3,7,8-TCDF	ng/kg	0.73 J	0.23 U	1.5 U	2.9 U	1.1 U	1 U	--	1.5 U	0.9 U	0.63 J	0.65 J	0.32 U	2.1 J	--	0.25 U	16
OCDD	ng/kg	2000	1800	3700	5300	180	10000	1800	--	430	450	10000 J	280	1000	7.5 U	--	11000
OCDF	ng/kg	30	21 J	38	39	3.6 U	46	29	--	7.6 J	5.4 J	83	4 J	10 J	--	0.34 U	120
TEQ Avian	ng/kg	7.1	3.6	5.5	10	1.8	5.6	7.2	--	1.7	1.5	4.1	0.84	6.6	--	0.71 U	87
TEQ Human	ng/kg	10	6.7	8	15	1.4	12	8.3	--	2.2	1.7	11	1.1	4.5	0.47 U	--	67
TEQ Mammals	ng/kg	10	6.7	8	15	1.4	12	8.3	--	2.2	1.7	11	1.1	4.5	0.47 U	--	67
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	2.3 UJ	2.2 U	2.1 U	2.3 U	2.4 U	--	2 U	2 U	2 U	2 UJ	2.4 U	2.2 U	--	11 UJ
Arsenic	mg/kg	--	--	1.1 U	2.5	4.3	3.6	5	--	1.2	1.4	1 U	1 U	5.5	--	4.9	5.4 UJ
Barium	mg/kg	--	--	230 J	330	360	350	270 J	--	140	130	150	180 J	450	250	--	770 J
Beryllium	mg/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ
Cadmium	mg/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	0.49	0.5	0.43 U	0.45 U	0.47 U	--	0.4 U	0.4 U	0.4 U	0.4 U	0.47 U	0.44 U	--	1.9
Chromium, total	mg/kg	--	--	73 J	24	49	21	41	--	13	11	22	31 J	26	24	--	58 J
Cobalt	mg/kg	--	--	17	5.3	12	5.8	9.3	--	5.1	4.4	6.2	8.8	9.3	--	8.3	12 J
Copper	mg/kg	--	--	33	14	56	36	24	--	7.4	7.8	7.8	10	17	--	25	81 J
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	5.3	11	2.7	8.4	--	8.2 J	7.6	7.4	6.8	8.3	2.4	--	8.6	44 J
Mercury	mg/kg	--	--	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	--	0.099 U	0.1 U	0.1 U	0.098 U	0.11 U	0.11 U	--	0.29
Molybdenum	mg/kg	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 UJ	1.2 U	1.1 U	--	5.4 UJ
Nickel	mg/kg	--	--	55 J	14	30	16	34	--	12	9.8	16	26 J	22	17	--	36 J
Selenium	mg/kg	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ
Silver	mg/kg	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ
Thallium	mg/kg	--	--	2.3 U	2.2 U	2.1 U	2.3 U	2.4 U	--	2 U	2 U	2 U	2 UJ	2.4 U	2.2 U	--	11 UJ
Vanadium	mg/kg	--	--	95 J	26	56	32	50	--	25	19	29	35 J	60	35	--	65 J
Zinc	mg/kg	--	--	52 J	46	49	38	53	--	35	32	33	40 J	47	--	46	160 J
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02
	SAMPLE	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086
	DATE	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U
Aroclor 1221	ug/kg	34 U	34 U	37 UJ	36 UJ	35 U	37 UJ	39 UJ	--	33 U	33 U	33 U	33 U	39 UJ	37 U	--	36 U
Aroclor 1232	ug/kg	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U
Aroclor 1242	ug/kg	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U
Aroclor 1248	ug/kg	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U
Aroclor 1254	ug/kg	26	83	120 J	150 J	170	23 J	90 J	--	19	17 U	16 U	16 U	310 J	18 U	--	220
Aroclor 1260	ug/kg	17 U	65	19 UJ	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	16 U	16 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	16 U	16 U	--	--	--	--
Total PCBs	ug/kg	51.5	165	149	177	197	110	120	--	46.5	41	34 U	32 U	339	36 U	--	267
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	5.9	--	5.4 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U
Anthracene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.7	5.7 UJ	12 J	--	5 U	5 U	5 U	5 U	13 J	33 J	--	24
B(a)P Equivalent	ug/kg	5.9 U	12	180	140	120	120	340	--	6.2	5.8 U	5.8 U	5.8 U	300	110	--	970
Benzo (a) anthracene	ug/kg	5.1 U	7.1	190 J	130 J	130 J	110 J	420 J	--	5 U	5 U	5 U	5 U	410 J	160 J	--	810
Benzo (a) pyrene	ug/kg	5.1 U	6.8	110 J	82 J	70	71 J	190 J	--	5 U	5 U	5 U	5 U	170 J	64 J	--	620
Benzo (b) fluoranthene	ug/kg	5.1 U	18	220 J	170 J	190	160 J	520 J	--	6.7	5 U	5 U	5 U	510 J	160 J	--	1200

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02
	SAMPLE	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086
	DATE	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	6.5	82 J	66 J	49	59 J	140 J	--	5 U	5 U	5 U	5 U	110 J	40 J	--	550
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	82 J	39 J	44	39 J	100 J	--	5 U	5 U	5 U	5 U	97 J	36 J	--	1400
Chrysene	ug/kg	5.1 U	9.9	160 J	110 J	97	110 J	260 J	--	5 U	5 U	5 U	5 U	250 J	120 J	--	750
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	21 J	17 J	11	18 J	37 J	--	5 U	5 U	5 U	5 U	30 J	8.5	--	93
Fluoranthene	ug/kg	5.1 U	20	480 J	310 J	290	190 J	760 J	--	7	5 U	5 U	5 U	770 J	490 J	--	2100
Fluorene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.4	78 J	62 J	40	57 J	130 J	--	5 U	5 U	5 U	5 U	110 J	32 J	--	440
Naphthalene	ug/kg	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U
PAH High molecular weight	ug/kg	0	91.7	1890	1250	1160	1000	3260	--	20	0	0	0	3100	1470	--	10200
PAH Low molecular weight	ug/kg	0	6.5	30	39	36.7	20	82	--	0	0	0	0	123	279	--	164
Phenanthrene	ug/kg	5.1 U	6.5	30 J	39 J	31	20 J	70 J	--	5 U	5 U	5 U	5 U	110 J	240 J	--	140
Pyrene	ug/kg	5.1 U	18	470 J	260 J	240	190 J	700 J	--	6.3	5 U	5 U	5 U	640 J	360 J	--	2200
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02
	SAMPLE	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086
	DATE	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	370 UJ	360 UJ	350 U	370 UJ	390 UJ	--	330 U	330 U	330 U	330 U	390 UJ	--	360 U	360 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02
	SAMPLE	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086
	DATE	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137
	DATE	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	1	3	6	10	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE														Field Duplicate		Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	5000	48	140	350	27	15	5 J	2.1 J	0.77 U	35	0.45 J	1.2 U	0.5 U	--	7500 J	12 J
1,2,3,4,6,7,8-HpCDF	ng/kg	490 U	3.7 U	8.7 J	33	2.1 J	1.1 J	0.27 U	0.12 U	0.17 U	1.9 J	0.18 U	0.092 U	0.038 U	--	660 J	0.67 U
1,2,3,4,7,8-HxCDD	ng/kg	87	0.93 U	2.2 U	0.14 U	0.35 U	0.18 U	0.1 U	0.07 U	0.11 U	0.2 U	0.068 U	0.079 U	0.036 U	--	--	0.12 U
1,2,3,4,7,8-HxCDF	ng/kg	130 U	1.1 U	1.1 J	4.7 J	0.33 U	0.27 U	0.12 U	0.034 U	0.037 U	0.16 U	0.042 U	0.052 U	0.027 U	--	2.8 U	0.21 U
1,2,3,4,7,8,9-HpCDF	ng/kg	48	0.31 U	0.9 J	4.1 J	0.21 U	0.33 U	0.22 U	0.15 U	0.19 U	0.37 U	0.065 U	0.056 U	0.048 U	--	--	0.4 U
1,2,3,6,7,8-HxCDD	ng/kg	220	2.5 J	6 J	10 U	1.2 U	0.48 U	0.078 U	0.069 U	0.052 U	1.5 J	0.034 U	0.048 U	0.036 U	--	170 J	0.12 U
1,2,3,6,7,8-HxCDF	ng/kg	100	0.83 J	0.87 J	2.8 J	0.14 U	0.16 U	0.22 U	0.032 U	0.055 U	0.15 U	0.042 U	0.049 U	0.025 U	--	--	0.2 U
1,2,3,7,8-PeCDD	ng/kg	56	0.76 U	0.15 U	0.32 U	0.32 U	0.17 U	0.11 U	0.028 U	0.043 U	0.15 U	0.049 U	0.069 U	--	0.033 U	--	0.08 U
1,2,3,7,8-PeCDF	ng/kg	67	0.91 U	0.59 J	1.3 J	0.14 U	0.1 U	0.059 U	0.075 U	0.05 U	0.13 U	0.15 U	0.11 U	0.054 U	--	--	0.13 U
1,2,3,7,8,9-HxCDD	ng/kg	170	1.1 UJ	4.3 J	7.1 U	0.91 J	0.17 U	0.074 U	0.066 U	0.07 U	0.77 J	0.033 U	0.046 U	--	0.029 U	46	0.12 U
1,2,3,7,8,9-HxCDF	ng/kg	39	0.58 U	0.47 U	1.3 J	0.19 U	0.14 U	0.14 U	0.04 U	0.24 J	0.18 U	0.038 U	0.061 U	0.031 U	--	3.2 U	0.25 U
2,3,4,6,7,8-HxCDF	ng/kg	140	0.88 U	7 U	18 U	0.22 J	1.5 U	0.48 U	0.19 U	0.18 U	4.4 U	0.19 U	0.18 U	0.027 U	--	1400 U	2.7 U
2,3,4,7,8-PeCDF	ng/kg	100	1.3 J	0.56 J	1.8 J	0.14 U	0.11 U	0.063 U	0.081 U	0.097 U	0.14 U	0.16 U	0.12 U	0.058 U	--	--	0.14 U
2,3,7,8-TCDD	ng/kg	14	0.19 U	0.37 U	0.087 U	0.13 U	0.029 U	0.045 U	0.037 U	0.61 U	0.22 U	0.068 U	0.038 U	0.021 U	--	0.89 U	0.046 U
2,3,7,8-TCDF	ng/kg	34	0.89 J	0.94 J	1.7 U	0.3 U	0.046 U	0.08 U	0.024 U	0.3 J	0.26 U	0.029 U	0.077 U	--	0.047 U	--	0.12 U
OCDD	ng/kg	35000	330	1100	2700	190	130	44	14 J	4.4 U	240	0.99 U	6.8 U	--	7 J	--	93
OCDF	ng/kg	330	3.1 J	17 J	55	2.7 U	2.5 J	0.61 U	0.13 U	0.11 U	3.6 J	0.085 U	0.051 U	--	0.082 U	2500 J	1.8 U
TEQ Avian	ng/kg	280	3.1	3.3	6.2	0.68	0.34	0.22	0.11	0.72	0.81	0.18	0.18 U	--	0.18	110	0.4
TEQ Human	ng/kg	250	2.1	4.1	8.2	0.84	0.47	0.22	0.099	0.43	1.1	0.11	0.11 U	--	0.11	190	0.43
TEQ Mammals	ng/kg	250	2.1	4.1	8.2	0.84	0.47	0.22	0.099	0.43	1.1	0.11	0.11 U	--	0.11	190	0.43
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.5	2.2 UJ	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 UJ	2 U	--	2.1 U	2.1 U
Arsenic	mg/kg	4.2	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1.4	1 U	1.1	--	1 U	2.3	1.1 U
Barium	mg/kg	1300	390 J	180	190	220	87	82	85	100	71	99	95 J	96	--	--	98
Beryllium	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U
Cadmium	mg/kg	1.7	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	--	1 U	--	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	9.7	0.67	0.4 U	0.4 U	0.4 U	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	--	0.2 U	2.3 J	0.21 U
Chromium, total	mg/kg	100	35 J	22	24	53	14	11	11	30	14	13	13	--	13	48 J	11
Cobalt	mg/kg	5.4	9.4	6.4	6.4	13	7.1	7	6.1	9.9	6.2	6.2	7.6	--	6.7	8.8 J	6.7
Copper	mg/kg	790	7.8	8.4	9	17	9.8	6.2	6.1	7	8.1	6.8	7.9	7.4	--	85 J	9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	220	4	7.9	9.7	6.9	2	1.6	1	1.5	1.5	1.3	1.6	1.5	--	--	1.3
Mercury	mg/kg	0.52	0.11 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	0.11 U
Molybdenum	mg/kg	1.1 U	1.1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U
Nickel	mg/kg	24	33 J	17	17	40	9.8	7.8	7.2	23	11	10	10	--	8.6 J	21 J	8.4
Selenium	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U
Silver	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U
Thallium	mg/kg	2.2 U	2.2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 UJ	2 U	--	2.1 U	2.1 U
Vanadium	mg/kg	26	38 J	30	31	53	29	26	24	37	25	22	30	--	24	31 J	27
Zinc	mg/kg	410	46 J	36	40	45	30	27	26	33	29	28	32 J	--	34	58 J	31
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137
	DATE	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	1	3	6	10	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE														Field Duplicate		Field Duplicate	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 UJ	19 U	16 U	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U
Aroclor 1221	ug/kg	36 UJ	37 U	33 U	33 U	33 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	--	34 U	35 U	35 U
Aroclor 1232	ug/kg	18 UJ	19 U	16 U	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U
Aroclor 1242	ug/kg	18 UJ	19 U	16 U	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U
Aroclor 1248	ug/kg	18 UJ	19 U	16 U	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U
Aroclor 1254	ug/kg	100 J	19 U	22	53	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	71	17 U
Aroclor 1260	ug/kg	18 UJ	19 U	16 U	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U
Aroclor 1262	ug/kg	--	--	16 U	16 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	16 U	16 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	157	38 U	46	80	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	--	34 U	--	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.5 UJ	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
2-Methyl naphthalene	ug/kg	5.5 UJ	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Acenaphthene	ug/kg	5.5 UJ	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Acenaphthylene	ug/kg	5.5 UJ	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Anthracene	ug/kg	10 J	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
B(a)P Equivalent	ug/kg	250	19	14	31	5.8 U	5.9 U	5.9 U	5.9 U	6 U	6 U	5.9 U	6 U	--	5.9 U	18	6.1 U
Benzo (a) anthracene	ug/kg	250 J	14	7	21	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	12	5.3 U
Benzo (a) pyrene	ug/kg	140 J	12	8	18	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	12	5.3 U
Benzo (b) fluoranthene	ug/kg	430 J	24	19	41	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137
	DATE	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	1	3	6	10	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE														Field Duplicate		Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	97 J	10	8.7	18	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Benzo (k) fluoranthene	ug/kg	73 J	9	6.7	16	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	9.2	5.3 U
Chrysene	ug/kg	220 J	17	10	24	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U
Dibenzo (a,h) anthracene	ug/kg	31 J	5.6 U	5 U	5	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Fluoranthene	ug/kg	600 J	35	21	54	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U
Fluorene	ug/kg	5.5 UJ	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	97 J	7.5	7	15	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Naphthalene	ug/kg	5.5 UJ	5.6 U	5 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
PAH High molecular weight	ug/kg	2490	163	106	257	0	0	0	0	0	0	0	0	--	0	111	0
PAH Low molecular weight	ug/kg	64	0	0	12	0	0	0	0	0	0	0	0	--	0	--	0
Phenanthrene	ug/kg	54 J	5.6 U	5 U	12	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U
Pyrene	ug/kg	550 J	34	19	45	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137
	DATE	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	1	3	6	10	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE														Field Duplicate		Field Duplicate	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	360 UJ	370 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137
	DATE	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	1	3	6	10	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE														Field Duplicate		Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6
	SAMPLE	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		5	9	0	0	2	5	9	0	2	5	9	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	1	1	3	6	10	1	3	6	10	1	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	17	4.7 J	--	310	350	13	0.067 U	1.1 U	2.5 J	13	11 J	--	73	23	1.2 J	0.21 U
1,2,3,4,6,7,8-HpCDF	ng/kg	0.78 U	0.15 U	--	18	22	0.73 U	0.043 U	0.056 U	0.15 U	0.89 J	0.37 U	--	4.5 J	1.4 U	0.12 U	0.044 U
1,2,3,4,7,8-HxCDD	ng/kg	0.23 U	0.13 U	17	1.7 U	2 J	0.19 U	0.05 U	--	0.18 J	0.087 U	0.11 U	0.11 J	0.43 U	0.33 J	0.029 U	0.028 U
1,2,3,4,7,8-HxCDF	ng/kg	0.29 U	0.22 U	--	0.51 U	0.41 U	0.12 U	0.065 U	0.061 U	0.07 U	0.061 U	0.11 U	--	0.18 U	0.22 U	0.042 U	0.035 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.21 U	0.19 U	34 U	0.57 U	3.6 U	0.16 U	0.055 U	0.071 U	0.083 U	0.074 U	0.18 U	--	0.52 U	0.39 J	0.049 U	0.056 U
1,2,3,6,7,8-HxCDD	ng/kg	0.28 U	0.22 U	--	9.2 J	8.4 J	0.53 U	0.049 U	--	0.069 U	0.35 U	0.33 J	0.036 U	1.8 J	0.85 J	0.053 U	0.028 U
1,2,3,6,7,8-HxCDF	ng/kg	0.27 U	0.2 U	28 U	0.47 U	0.99 U	0.11 U	0.06 U	0.056 U	0.065 U	0.057 U	0.099 U	--	0.26 U	0.21 U	0.039 U	0.033 U
1,2,3,7,8-PeCDD	ng/kg	0.063 U	0.042 U	8.9 J	0.86 J	0.62 U	0.096 U	0.13 U	0.067 U	0.071 U	0.068 U	0.1 U	--	0.32 U	0.066 U	0.074 U	0.05 U
1,2,3,7,8-PeCDF	ng/kg	0.075 U	0.11 U	5 J	0.87 U	0.68 U	0.13 U	0.11 U	0.057 U	0.069 U	0.12 U	0.068 U	--	0.54 J	0.097 U	0.04 U	0.095 U
1,2,3,7,8,9-HxCDD	ng/kg	0.078 U	0.12 U	--	4 J	3.6 J	0.15 U	0.096 U	--	0.065 U	0.082 U	0.049 U	0.033 U	1 U	0.44 J	0.068 U	0.027 U
1,2,3,7,8,9-HxCDF	ng/kg	0.33 U	0.25 U	--	0.59 U	0.48 U	0.13 U	0.075 U	0.071 U	0.081 U	0.071 U	0.12 U	--	0.21 U	0.26 U	0.049 U	0.041 U
2,3,4,6,7,8-HxCDF	ng/kg	1.8 U	0.22 U	--	58 U	41 U	1.9 U	0.22 U	--	0.072 U	1.8 U	0.11 U	0.39 U	8.9 U	3.3 U	0.2 U	0.17 U
2,3,4,7,8-PeCDF	ng/kg	0.081 U	0.12 U	8 J	0.94 U	0.31 U	0.14 U	0.12 U	0.061 U	0.074 U	0.13 U	0.073 U	--	0.14 U	0.1 U	0.044 U	0.1 U
2,3,7,8-TCDD	ng/kg	0.25 U	0.04 U	--	0.15 U	0.27 U	0.045 U	0.14 U	0.053 U	0.21 U	0.27 U	0.085 U	--	0.031 U	0.26 U	0.048 U	0.14 U
2,3,7,8-TCDF	ng/kg	0.075 U	0.069 U	3 J	0.31 U	0.47 J	0.31 U	0.11 U	0.089 U	0.12 U	0.081 U	0.15 J	--	0.17 U	0.34 U	0.23 J	0.081 U
OCDD	ng/kg	160	31	36000	2700	3000	120	6 J	9.2 J	20 J	150	110	--	820	190	8.3 J	1 U
OCDF	ng/kg	2.1 U	0.085 U	--	50	57	1.7 J	0.028 U	--	0.34 U	2.1 J	0.82 U	0.19 U	15 J	3.3 J	0.093 U	0.067 U
TEQ Avian	ng/kg	0.42	0.21	--	5.9	4.7	0.46	0.28	--	0.27	0.43	0.34	0.46	1.1	0.71	0.34	0.21 U
TEQ Human	ng/kg	0.56	0.19	--	9.6	8.7	0.44	0.19	--	0.23	0.5	0.33	0.26	2	0.86	0.13	0.14 U
TEQ Mammals	ng/kg	0.56	0.19	--	9.6	8.7	0.44	0.19	--	0.23	0.5	0.33	0.26	2	0.86	0.13	0.14 U
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	--	2.1 UJ	2 U	2.1 U	2.1 U	--	2.2 U	2.1 U	2.3 U	2.2 U	2 U	2.1 U	2 U	2 U
Arsenic	mg/kg	1.2	1.1	--	1.2	1 U	1.2	1.2	--	1.1 U	1.7	4.9	1.9	1 U	1.7	1 U	1 U
Barium	mg/kg	92	57	92 J	100 J	71	82	77	--	110	110	420	86	100	110	72	78
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	--	0.21 U	0.2 U	0.21 U	0.21 U	--	0.22 U	0.21 U	0.23 U	0.22 U	0.2 U	0.21 U	0.2 U	0.2 U
Chromium, total	mg/kg	28	9.4	--	28	17	15	12	--	19	36	36	18	13	24	11	13
Cobalt	mg/kg	8.6	5	--	11	6.6	8.2	6.2	--	7.3	12	9.5	6.8	8	8	6.8	6.3
Copper	mg/kg	12	4.9	--	9.8	6.7	10	9.2	13	7.6	9.9	22	--	9.2	9.2	7.7	7.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.6	1.2	4.6 J	2.4	1.3	1.7	1.4	2.4	1.2	1.2	4	--	1.5	3	1.1	1.4
Mercury	mg/kg	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	--	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	21	7	--	21	9.4	11	8.9	15	15	30	27	--	9	17	8.7	9.6
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1 UJ	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U	2.1 U	--	2.2 U	2.1 U	2.3 U	2.2 U	2 U	2.1 U	2 U	2 U
Vanadium	mg/kg	28	18	--	41	24	34	25	--	28	46	44	26	30	32	28	28
Zinc	mg/kg	31	22	--	39	31	32	25	--	30	35	40	31	33	32	31	27
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6
	SAMPLE	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		5	9	0	0	2	5	9	0	2	5	9	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	1	1	3	6	10	1	3	6	10	1	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	18 U	18 U	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	35 U	35 U	--	35 U	34 U	35 U	35 U	36 U	37 U	35 U	39 U	--	34 U	35 U	34 U	34 U
Aroclor 1232	ug/kg	18 U	18 U	18 U	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	18 U	18 U	18 U	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	18 U	18 U	18 U	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	18 U	18 U	--	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	18 U	18 U	18 U	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	36 U	36 U	137	34 U	34 U	36 U	34 U	--	36 U	36 U	38 U	36 U	34 U	34 U	34 U	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Anthracene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.1 U	6.1 U	--	6 U	5.9 U	6.1 U	6.1 U	6.4 U	6.4 U	6.1 U	6.7 U	--	5.9 U	6.1 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.3 U	5.3 U	9.3	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6
	SAMPLE	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		5	9	0	0	2	5	9	0	2	5	9	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	1	1	3	6	10	1	3	6	10	1	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Chrysene	ug/kg	5.3 U	5.3 U	6.1	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.3 U	5.3 U	9.3	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Fluorene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	--	0	0	0	0	--	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.3 U	5.3 U	--	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Pyrene	ug/kg	5.3 U	5.3 U	8.6	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6
	SAMPLE	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		5	9	0	0	2	5	9	0	2	5	9	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	1	1	3	6	10	1	3	6	10	1	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6
	SAMPLE	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		5	9	0	0	2	5	9	0	2	5	9	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	1	1	3	6	10	1	3	6	10	1	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06
	SAMPLE	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261
	DATE	3/2/2010	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	1100	12 J	690	8000	120	370	91	67	--	330 J	6.6 U	74	470	150	7100	140
1,2,3,4,6,7,8-HpCDF	ng/kg	45	1.4 U	37	340	7.8 J	20	5 J	--	4.5 J	32 J	0.35 U	6.2 U	39	13	490	9 J
1,2,3,4,7,8-HxCDD	ng/kg	17	0.21 U	3.9 U	120	3.1 J	3.9 J	1.4 J	--	0.51 U	5.5 J	0.6 U	0.81 J	3.1 J	1.4 J	39	1.9 J
1,2,3,4,7,8-HxCDF	ng/kg	12 U	0.3 U	5.7 U	69 U	1.9 J	2.5 J	0.82 J	0.4 U	--	4.5 J	0.4 U	0.62 U	4.5 J	1.6 J	37	1.2 J
1,2,3,4,7,8,9-HpCDF	ng/kg	6.2 J	0.15 U	2.2 J	28	0.58 U	2 J	0.64 J	0.22 U	--	3.1 J	0.42 U	0.59 J	3.7 J	1.2 J	22	0.69 J
1,2,3,6,7,8-HxCDD	ng/kg	40	0.6 U	20	310	6 J	12 J	3.7 J	2.5 J	--	14 J	0.4 U	2.8 J	15 J	5 U	210	5.2 J
1,2,3,6,7,8-HxCDF	ng/kg	6.5 J	0.15 U	2.9 U	36	1.3 J	2.1 J	0.66 J	--	0.3 U	2 UJ	0.35 U	0.2 U	1.5 J	0.68 J	11 J	0.91 J
1,2,3,7,8-PeCDD	ng/kg	7.1 U	0.34 U	2.7 J	71 U	1.6 U	0.15 U	0.16 U	0.34 U	--	2.9 UJ	0.89 U	0.31 U	1.5 U	0.7 U	0.3 U	0.8 U
1,2,3,7,8-PeCDF	ng/kg	4.5 J	0.18 U	2.4 J	22	0.78 U	1.1 J	0.51 U	0.18 U	--	1.3 UJ	0.57 U	0.21 U	0.81 U	0.56 U	3.1 J	0.7 J
1,2,3,7,8,9-HxCDD	ng/kg	29	0.53 J	9 J	240	5.3 J	6.7 J	2.4 U	--	0.49 U	5.6 UJ	0.4 U	0.68 U	6.8 J	2 U	85	2.9 J
1,2,3,7,8,9-HxCDF	ng/kg	3.5 J	0.22 U	1.2 U	17	0.88 J	2 J	1.5 J	0.21 U	--	1.1 UJ	0.43 U	0.29 U	0.34 U	0.24 U	18	0.45 U
2,3,4,6,7,8-HxCDF	ng/kg	7.3 J	0.96 U	3 J	51	1.3 J	17 U	3.8 U	4.4 U	--	78 UJ	1.5 U	0.25 U	2.1 U	1.5 U	25	5.5 U
2,3,4,7,8-PeCDF	ng/kg	10 U	0.24 U	0.86 U	34	1.1 J	1.1 U	0.41 U	0.18 U	--	2.8 J	0.55 U	0.2 U	1.2 J	0.66 U	4 J	0.62 U
2,3,7,8-TCDD	ng/kg	1.2 J	0.23 U	0.72 U	15	0.33 U	0.052 U	0.21 U	0.14 U	--	0.66 UJ	0.18 U	0.13 U	0.3 U	0.11 U	0.89 J	0.21 J
2,3,7,8-TCDF	ng/kg	4.1 J	0.58 J	1.8 U	10	0.93 J	1.2 U	0.85 J	0.19 U	--	2.5 UJ	0.33 U	0.46 U	1.6 J	1.4 J	1.9 J	0.74 J
OCDD	ng/kg	7500	160	6700	46000	810	2900	530	570	--	2900 J	51	870	5800	1300	66000	1700
OCDF	ng/kg	65	2.5 J	54	310	7.1 J	29	7.5 J	--	6.6 J	76 J	0.98 U	18 J	110	26	240	10 J
TEQ Avian	ng/kg	23	1.2	8.4	160	4.6	4.7	2.2	--	1.2	12	1.2	0.93	6.9	3.1	48	3.1
TEQ Human	ng/kg	32	0.73	17	240	4.9	8.9	2.6	1.8	--	14	0.9	1.8	12	3.5	140	4.3
TEQ Mammals	ng/kg	32	0.73	17	240	4.9	8.9	2.6	1.8	--	14	0.9	1.8	12	3.5	140	4.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.3 U	2.1 U	4.2 U	2.1	2.2 U	2 U	2 U	2 U	--	2.2 U	2.1 UJ	11 U	2.3 U	2.2 U	2 U	2 U
Arsenic	mg/kg	3.6	3	7.6	1.4	5.5	2	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U
Barium	mg/kg	340	200	520	700	500	140	170	--	210	570	160 J	430	400	280	160	190
Beryllium	mg/kg	1.2 U	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.2 U	1 U	2.1 U	1.1	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.73	0.41 U	0.42 U	5.3	0.44 U	0.4 U	0.4 U	0.4 U	--	0.44 U	0.41 U	0.44 U	1.1	0.44 UJ	0.4 U	0.4 U
Chromium, total	mg/kg	84	15	64	73	17	18	29	--	51	140	42 J	150	72	160	18	33
Cobalt	mg/kg	7.3	6.1	6	5.9	4.4	6.2	7.4	--	13	13	11 J	19	20	15	4.4	8.7
Copper	mg/kg	45	11	26	90	13	18	9.1	--	16	16	26	34	15	5.9	9.8	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.7	7	5.1	76	5.4	12	6.8	8.2	--	3.1	4.9 J	5.5 U	3.4	2.4	10	6.2
Mercury	mg/kg	0.11 U	0.1 U	0.1 U	0.25	0.11 U	0.099 U	0.1 U	0.099 U	--	0.11 U	0.1 U	0.11 U	0.12 U	0.11 U	0.1 U	0.099 U
Molybdenum	mg/kg	1.2 U	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U
Nickel	mg/kg	23	12	25	20	15	14	22	--	41	60	33 J	75	35	65	11	26
Selenium	mg/kg	1.2 U	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U
Silver	mg/kg	1.2 U	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.3 U	2.1 U	4.2 U	2 U	2.2 U	2 U	2 U	2 U	--	2.2 U	2.1 UJ	11 U	2.3 U	2.2 U	2 U	2 U
Vanadium	mg/kg	39	26	56	28	31	28	38	--	52	72	51 J	100	74	78	23	43
Zinc	mg/kg	55	32	50	260	33	45	36	47	--	49	45 J	86	50	48	45	38
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06
	SAMPLE	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261
	DATE	3/2/2010	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	19 UJ	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U
Aroclor 1221	ug/kg	38 UJ	34 U	35 U	34 U	37 U	33 U	33 U	33 U	--	36 UJ	34 U	36 U	38 U	36 U	33 U	33 U
Aroclor 1232	ug/kg	19 UJ	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U
Aroclor 1242	ug/kg	19 UJ	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U
Aroclor 1248	ug/kg	19 UJ	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U
Aroclor 1254	ug/kg	410 J	17 U	170	400	37	120 J	18	16 U	--	340 J	21	18 U	160	25	140	16 U
Aroclor 1260	ug/kg	19 UJ	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	16 U	16 U	--	--	--	--	--	--	17 U	16 U
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	16 U	16 U	--	--	--	--	--	--	17 U	16 U
Total PCBs	ug/kg	439	34 U	196	566	64	146	44	32 U	--	377	46.5	48	399	71	166	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.6 UJ	5.1 U	5.5 U	8.8	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5.6 UJ	5.1 U	5.5 U	12	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
Acenaphthene	ug/kg	22 J	5.1 U	5.5 U	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
Acenaphthylene	ug/kg	6 J	5.1 U	5.5 U	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
Anthracene	ug/kg	95 J	5.1 U	44	5.8	5.6 U	5 U	5 U	5 U	--	36 J	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
B(a)P Equivalent	ug/kg	1100	23	280	210	11	18	5.8	6.8	--	850	11	6.4 U	31	6.4 U	19	6.1
Benzo (a) anthracene	ug/kg	1000 J	25	380	170	6.3	12	5 U	5	--	870 J	11 J	5.5 U	25	5.5 U	12	5 U
Benzo (a) pyrene	ug/kg	750 J	14	180	140	6.3	11	5 U	5 U	--	550 J	6.2	5.5 U	21	5.5 U	11	5 U
Benzo (b) fluoranthene	ug/kg	1400 J	31	280	240	11	27	5 U	10	--	860 J	11	5.5 U	31	5.5 U	28	5.7

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06
	SAMPLE	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261
	DATE	3/2/2010	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	190 J	12	87	94	5.6 U	10	5 U	5 U	--	390 J	5.2	5.5 U	14	5.5 U	12	5 U
Benzo (k) fluoranthene	ug/kg	380 J	8.9	80	80	5.6 U	10	5 U	5 U	--	190 J	5.2 U	5.5 U	14	5.5 U	10	5 U
Chrysene	ug/kg	1200 J	20	360	160	6.7	15	5 U	7	--	630 J	9.6	5.5 U	19	5.5 U	15	5 U
Dibenzo (a,h) anthracene	ug/kg	63 J	5.1 U	24	22	5.6 U	5 U	5 U	5 U	--	90 J	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
Fluoranthene	ug/kg	2400 J	46	800	530	16	32	6.7	--	16	1200 J	17	5.5 U	25	5.5 U	33	7
Fluorene	ug/kg	14 J	5.1 U	5.5 U	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	200 J	8.9	79	76	5.6 U	8.7	5 U	5 U	--	330 J	5.2 U	5.5 U	10	5.5 U	9.7	5 U
Naphthalene	ug/kg	5.6 UJ	5.1 U	5.5 U	6.5	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U
PAH High molecular weight	ug/kg	9680	205	3010	1990	62.3	157	13	49	--	6210	76	0	186	0	161	18.7
PAH Low molecular weight	ug/kg	1340	6.5	254	70.1	0	0	0	0	--	166	0	0	0	0	5.3	0
Phenanthrene	ug/kg	1200 J	6.5	210	37	5.6 U	5 U	5 U	5 U	--	130 J	5.2 U	5.5 U	5.8 U	5.5 U	5.3	5 U
Pyrene	ug/kg	2100 J	39	740	480	16	31	6.3	--	13	1100 J	16	5.5 U	27	5.5 U	30	6
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06
	SAMPLE	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261
	DATE	3/2/2010	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	370 UJ	340 U	360 U	340 U	370 U	330 U	330 U	330 U	--	360 UJ	340 U	360 U	380 U	360 U	330 U	330 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06
	SAMPLE	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261
	DATE	3/2/2010	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03
	SAMPLE	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409
	DATE	8/10/2010	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	180	79	200	280	180	1400 J	1100	4800	82 J	250 J	--	120	76	11 U	810	710
1,2,3,4,6,7,8-HpCDF	ng/kg	11 J	6.9 J	16	17	12 J	160 J	58	360	15	23	--	8.2 J	5.7 J	2.6 J	81	90
1,2,3,4,7,8-HxCDD	ng/kg	2.9 J	1.1 U	3 J	2.8 J	2.1 J	9.1 U	3.2 J	20 U	1.3 U	1.7 J	--	2.1 J	1.2 J	0.34 U	3.5 U	5.4 U
1,2,3,4,7,8-HxCDF	ng/kg	1.8 U	0.96 J	2.4 J	2.1 J	1.8 J	20 UJ	3.2 J	32	3.8 U	2.9 J	--	1.3 J	1 J	0.68 U	13 U	19 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.62 U	1 J	1.5 U	1.2 J	1.4 J	13 UJ	7.6 J	32	1.2 U	1.5 J	--	0.88 J	0.21 U	0.34 J	10 J	10 U
1,2,3,6,7,8-HxCDD	ng/kg	7.4 J	2.6 J	7.9 J	6.7 J	6.4 J	48 UJ	14	110	2.4 U	5.8 J	--	5.1 J	2.8 J	0.83 J	5.7 U	18 U
1,2,3,6,7,8-HxCDF	ng/kg	1.3 U	1.3 U	3.1 J	1.9 J	2.3 J	7.1 UJ	2.2 U	13	1.9 U	1.3 J	--	1 J	0.64 J	0.63 U	4.4 U	10 J
1,2,3,7,8-PeCDD	ng/kg	0.47 U	0.68 U	1.4 J	1.7 U	1.3 U	1.2 UJ	0.22 U	8 U	0.51 U	--	0.2 U	0.2 U	0.31 U	0.17 U	1.6 U	2.7 U
1,2,3,7,8-PeCDF	ng/kg	0.28 U	0.74 U	2 J	0.81 J	1.3 U	12 U	1.3 U	8 J	6.9 J	--	0.57 U	0.96 J	0.15 U	0.14 U	8.1 J	15
1,2,3,7,8,9-HxCDD	ng/kg	4.6 J	1.9 U	4.9 J	4.9 J	3.2 U	12 UJ	4.4 U	34	--	3.1 J	--	3.1 J	1.6 U	0.36 U	6.7 U	--
1,2,3,7,8,9-HxCDF	ng/kg	0.42 U	0.28 U	0.39 U	0.17 U	0.65 U	0.56 UJ	0.18 U	0.41 U	0.43 U	1.1 J	--	2.6 J	0.15 U	0.17 U	0.6 U	3.3 U
2,3,4,6,7,8-HxCDF	ng/kg	8.3 U	10 U	30 U	14 U	22 U	310 UJ	64 U	29	1.6 J	3.3 U	--	2.9 U	5.6 U	2.2 U	5.7 U	9.5 J
2,3,4,7,8-PeCDF	ng/kg	0.69 U	0.98 U	2.1 U	1.3 J	1.7 J	19 U	3 J	14	4.2 J	0.55 U	--	0.57 U	0.3 U	0.81 U	12 J	26
2,3,7,8-TCDD	ng/kg	0.19 U	0.097 U	0.3 U	0.055 U	0.088 U	1.1 UJ	0.12 U	1.1 U	0.11 U	--	0.17 J	0.21 U	0.081 U	0.41 J	0.28 U	0.58 U
2,3,7,8-TCDF	ng/kg	0.61 U	0.87 U	0.92 U	1.1 U	1.7 U	13 J	3.2 J	15	3.8 J	--	2.9 J	0.81 U	0.54 J	1.2 U	8.8	17
OCDD	ng/kg	1500	900	1700	4300	1700	13000 J	74000 J	42000 J	520	4700 J	--	1000	580	120	11000	6700
OCDF	ng/kg	17 J	16 J	29	27	17 J	520 J	240	630	19 J	26	--	9.1 J	7.2 J	5.1 J	230	240
TEQ Avian	ng/kg	2.7	2.4	6.6	5.5	5.7	47	20	60	9.9	--	4.7	2.4	1.7	1.8	27	52
TEQ Human	ng/kg	4.9	2.8	8.3	8.2	6.3	46	41	98	4.1	6.3	--	3.6	2.2	1.1	20	26
TEQ Mammals	ng/kg	4.9	2.8	8.3	8.2	6.3	46	41	98	4.1	6.3	--	3.6	2.2	1.1	20	26
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	4.3 U	2.1 U	2.1 U	2 UJ	--	2 U	2 U	2.2 U	2.1 UJ	11 U
Arsenic	mg/kg	1 U	2.4 J	2.4	2.4	2.1	3.1	3.8	1.8	1.1 U	1 U	--	1 U	1 U	2.2	2.9 J	5.3 U
Barium	mg/kg	190	170	130	150	140	460	360	190	210	130 J	--	170	190	360	310 J	300
Beryllium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 U	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U
Cadmium	mg/kg	1 U	1.5 J	1.6	1.2	1.7	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.22 U	0.22 U	0.21 U	0.22 U	0.92	0.94	1.4	0.42 U	0.4 U	--	0.4 U	0.41 U	0.43 U	0.42 U	0.42 U
Chromium, total	mg/kg	32	32	39	23	43	43	55	67	21	--	24	28	45	51	28 J	51
Cobalt	mg/kg	8.5	8.7 J	9 J	6.5 J	10 J	8.2	13	12	5.8	--	6.7 J	9.2	11	13	6.7 J	10
Copper	mg/kg	13	18	27	14	21	22	13	5.7	8.7	11	--	11	18	19	14 J	33
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	6.2	5.6 J	6.8 J	7.4 J	4.4 J	4.8	2.9	3.3	5.3	7.5 J	--	6	6.1	3.7	4.5 J	6.4
Mercury	mg/kg	0.098 U	0.11 U	0.11 U	0.74	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.099 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Molybdenum	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U
Nickel	mg/kg	24	25 J	27	17	29	20	38	33	16	--	18 J	21	31	34	19 J	20
Selenium	mg/kg	1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U
Silver	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 U	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U
Thallium	mg/kg	2 U	2.2 UJ	2.2 UJ	2.1 UJ	2.2 UJ	2.2 U	4.3 U	2.1 U	2.1 U	2 UJ	--	2 U	2 U	2.2 U	2.1 UJ	11 U
Vanadium	mg/kg	36	29	29	22	31	40	73	66	28	29	--	34	42	58	32 J	74
Zinc	mg/kg	40	40 J	39	35	41	44	55	50	31	35 J	--	34	40	37	41 J	74
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03
	SAMPLE	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409
	DATE	8/10/2010	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	16 U	18 U	18 U	17 U	18 U	48	18 U	31	17 U	17 U	--	17 U	17 U	18 U	42	38
Aroclor 1221	ug/kg	33 U	37 U	36 U	35 U	36 U	37 U	36 U	35 U	35 U	33 U	--	33 U	34 U	36 U	35 U	35 U
Aroclor 1232	ug/kg	16 U	18 U	18 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U
Aroclor 1242	ug/kg	16 U	18 UJ	18 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U
Aroclor 1248	ug/kg	16 U	18 U	18 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U
Aroclor 1254	ug/kg	16 U	280	1200	230 J	320	2500	510	1800	500	--	66	17	17 U	34	1600	1900
Aroclor 1260	ug/kg	16 U	18 U	380	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U
Aroclor 1262	ug/kg	16 U	--	--	--	--	--	--	--	--	17 U	--	17 U	17 U	--	--	--
Aroclor 1268	ug/kg	16 U	--	--	--	--	--	--	--	--	17 U	--	17 U	17 U	--	--	--
Total PCBs	ug/kg	32 U	307	1600	256	347	2570	537	1850	927	--	96.5	45	34 U	61	2880	1960
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U
Acenaphthene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U
Anthracene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	19
B(a)P Equivalent	ug/kg	11	6.5	34	15	18	67	6.2 U	14	6.4	--	6.4	5.8 U	5.9 U	6.2 U	47	93
Benzo (a) anthracene	ug/kg	8	5.6 U	34 J	11 J	14 J	66	5.4 U	9.5	5.5 U	5 U	--	5 U	5.1 U	5.4 U	36	120
Benzo (a) pyrene	ug/kg	5.7	5.6 U	22	8.8	11	41	5.4 U	8.8	5.5 U	5 U	--	5 U	5.1 U	5.4 U	30	59
Benzo (b) fluoranthene	ug/kg	15	5.6 U	52	23	26	90	5.4 U	12	5.5 U	--	8.3	5 U	5.1 U	5.4 U	65	110

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03
	SAMPLE	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409
	DATE	8/10/2010	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.3	5.6 U	8.8	5.3 U	5.4	36	5.4 U	7.7	5.5 U	5 U	--	5 U	5.1 U	5.4 U	21	28
Benzo (k) fluoranthene	ug/kg	5 U	5.6 U	14	6.7	6.9	25	5.4 U	6.6	5.5 U	5 U	--	5 U	5.1 U	5.4 U	16	26
Chrysene	ug/kg	9.3	5.6 U	27	13	14	57	5.4 U	9.5	5.5 U	5 U	--	5 U	5.1 U	5.4 U	36	100
Dibenzo (a,h) anthracene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	7.1	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2	8.5
Fluoranthene	ug/kg	19	5.6 U	64	25	30	130	5.4 U	16	17	--	8.7	5 U	5.1 U	5.4 U	77	200
Fluorene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.6 U	9.2	5.3 U	5.4 U	27	5.4 U	6.2	5.5 U	5 U	--	5 U	5.1 U	5.4 U	19	26
Naphthalene	ug/kg	5 U	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U
PAH High molecular weight	ug/kg	82.3	5.6	286	112	135	589	0	91.3	30	--	25	0	0	0	367	868
PAH Low molecular weight	ug/kg	0	6	14	8.8	9.1	23	0	0	0	0	--	0	0	0	9.8	84
Phenanthrene	ug/kg	5 U	6	14	8.8	9.1	23	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	9.8	65
Pyrene	ug/kg	20	5.6	55	24	28	110	5.4 U	15	13	--	8	5 U	5.1 U	5.4 U	62	190
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03
	SAMPLE	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409
	DATE	8/10/2010	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	330 U	--	--	--	--	370 U	360 U	360 U	360 U	330 U	--	330 U	340 U	360 U	350 U	350 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03
	SAMPLE	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409
	DATE	8/10/2010	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010
	SAMPLE TOP DEPTH (FT)	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F04	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07
	SAMPLE	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008
	DATE	3/31/2010	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	250 J	4.7 J	800	1300	0.01 U	430	4200	5300	--	490	190	12 J	110	27	29	160
1,2,3,4,6,7,8-HpCDF	ng/kg	38	0.01 U	120	170	0.01 U	67	140	230	--	26	110	6.8 J	25	5.6 U	3.1 J	14
1,2,3,4,7,8-HxCDD	ng/kg	1.7 U	0.01 U	0.73 U	23	0.01 U	0.01 U	16	21	--	5.5 J	0.27 U	0.01 U	0.47 U	1.8 J	0.01 U	1.9 J
1,2,3,4,7,8-HxCDF	ng/kg	5.9 J	0.01 U	24 U	35	0.01 U	0.01 U	21 U	--	28 U	12.5 U	38	2 J	8.6 J	1.7 J	0.01 U	0.27 U
1,2,3,4,7,8,9-HpCDF	ng/kg	4.5 U	0.01 U	9.3 J	13	0.01 U	7.3 J	14	--	12.5 U	12.5 U	11 J	0.89 J	3 U	3.9 U	0.43 J	1.2 U
1,2,3,6,7,8-HxCDD	ng/kg	8.9 U	0.01 U	0.77 U	48	0.01 U	0.01 U	88	160	--	14	0.29 U	0.01 U	0.52 U	2.9 U	0.01 U	6.2 J
1,2,3,6,7,8-HxCDF	ng/kg	4.2 J	0.01 U	19	0.01 U	0.01 U	0.01 U	13 U	--	17 U	12.5 U	35	1.6 J	9.4 J	1.4 U	0.51 J	1.2 U
1,2,3,7,8-PeCDD	ng/kg	0.96 U	0.01 U	2 U	0.01 U	0.01 U	0.01 U	12.5 U	--	12.5 U	12.5 U	0.83 U	0.01 U	0.74 U	1 U	0.01 U	0.55 U
1,2,3,7,8-PeCDF	ng/kg	3.3 U	0.01 U	12 J	0.01 U	0.01 U	6.6 J	12.5 U	--	3.7 J	12.5 U	22	1.1 J	5.9 J	0.76 U	0.01 U	1.4 U
1,2,3,7,8,9-HxCDD	ng/kg	--	0.01 U	0.72 U	0.01 U	0.01 U	0.01 U	29	39	--	12.5 U	0.26 U	0.01 U	0.51 U	2.9 J	0.01 U	2.9 J
1,2,3,7,8,9-HxCDF	ng/kg	0.91 U	0.01 U	0.43 U	5.2 J	0.01 U	0.01 U	12.5 U	--	12.5 U	12.5 U	0.22 U	0.01 U	0.42 U	4.2 U	0.01 U	0.31 U
2,3,4,6,7,8-HxCDF	ng/kg	2.5 U	0.01 U	7.7 J	0.01 U	0.01 U	0.01 U	12.5 U	22	--	12.5 U	18	0.93 J	3.7 J	2 J	0.01 U	28 U
2,3,4,7,8-PeCDF	ng/kg	13 U	0.01 U	48	48	0.01 U	0.01 U	6.5 J	14	--	1.4 J	67	2.7 J	22	1 U	0.63 J	1.8 J
2,3,7,8-TCDD	ng/kg	0.25 U	0.01 U	0.51 U	0.01 U	0.01 U	0.01 U	5 U	1.7 J	--	5 U	0.075 U	0.01 U	1 U	1.9 J	0.01 U	0.25 J
2,3,7,8-TCDF	ng/kg	11	0.01 U	27	35	0.01 U	0.01 U	5 U	--	5 U	5 U	49	2.4 J	11	2.5 U	0.98 J	1.5 J
OCDD	ng/kg	1500	30	8100	9300	18 J	3300	52000	--	33000	4400	1600	90	920	250	330	1500
OCDF	ng/kg	82	0.01 U	280	210	0.53 J	190	260	--	610	66	110	8.1 J	43	12 U	6.1 J	34
TEQ Avian	ng/kg	20	0.031	84	93	0.025	2.2	37	48	--	18	130	5.8	37	5.3	1.8	6.3
TEQ Human	ng/kg	8.9	0.072	35	47	0.021	6.3	87	110	--	21	39	1.8	13	4.3	0.78	6
TEQ Mammals	ng/kg	8.9	0.072	35	47	0.021	6.3	87	110	--	21	39	1.8	13	4.3	0.78	6
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.2 U	--	2.2 U	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U
Arsenic	mg/kg	1.1 U	1 U	1.7	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Barium	mg/kg	250	190	260	170 J	400	210	160 J	--	170	160	210	300	300	310	290	360
Beryllium	mg/kg	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.43 U	0.41 U	0.42 U	0.41 U	0.41 U	0.4 U	0.44 U	0.57	--	0.44 U	0.4 U	0.42 U	0.45 U	0.44 U	0.43 U	0.43 U
Chromium, total	mg/kg	83	29	36	26 J	61	33	35 J	--	31	35	38	58	33	60	44	41
Cobalt	mg/kg	9.4	7.5	8.3	5.9	14	9	8.5	--	9.1	9.1	9	13	8.8	15	11	10
Copper	mg/kg	18	14	12	11	19	16	16	14	--	15	11	26	12	33	33	34
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.5	4	4.3	11 J	4.4	6	14	16 J	--	5.5	5.2	4.2	6.5	9.3	5.9	5.5
Mercury	mg/kg	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U
Molybdenum	mg/kg	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	23	19	22	14 J	46	22	20	--	17	24	27	37	25	43	32	31
Selenium	mg/kg	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.2 U	--	2.2 U	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U
Vanadium	mg/kg	64	35	40	28 J	62	40	40 J	--	38	42	41	57	46	73	58	55
Zinc	mg/kg	48	29	34	50 J	46	39	71 J	47	--	43	34	42	35	52	47	52
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F04	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07
	SAMPLE	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008
	DATE	3/31/2010	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	17 U	42	25	17 U	30	18 U	--	18 U	18 U	60	17 U	19 UJ	18 U	18 U	18 U
Aroclor 1221	ug/kg	35 U	34 U	34 U	34 U	34 U	33 U	37 U	--	36 U	37 U	33 U	35 U	37 UJ	36 U	35 U	35 U
Aroclor 1232	ug/kg	18 U	17 U	17 U	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U
Aroclor 1242	ug/kg	18 U	17 U	17 U	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U
Aroclor 1248	ug/kg	18 U	17 U	17 U	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U
Aroclor 1254	ug/kg	710	17 U	2900	2500	17 U	2100	350	900 J	--	420	5900	280	1200 J	18 U	18 U	77
Aroclor 1260	ug/kg	18 U	17 U	17 U	17 U	17 U	640	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	53
Aroclor 1262	ug/kg	--	17 U	--	17 U	17 U	17 U	--	--	--	--	16 U	17 U	19 UJ	18 U	18 U	18 U
Aroclor 1268	ug/kg	--	17 U	--	17 U	17 U	17 U	--	--	--	--	16 U	17 U	19 UJ	18 U	18 U	18 U
Total PCBs	ug/kg	737	34 U	3160	2640	34 U	2780	359	909	--	429	6280	326	1230	36 U	36 U	148
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
2-Methyl naphthalene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Acenaphthene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Acenaphthylene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Anthracene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
B(a)P Equivalent	ug/kg	11	5.9 U	79	46	6 U	36	25	18	--	19	6.6	6.1 U	6.5 U	12	6.2 U	6.2
Benzo (a) anthracene	ug/kg	8.9	5.1 U	88	34	5.2 U	39	28 J	--	13	12	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Benzo (a) pyrene	ug/kg	5.7	5.1 U	49	27	5.2 U	23	15 J	11	--	12	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Benzo (b) fluoranthene	ug/kg	14	5.1 U	98	63	5.2 U	45	33 J	20	--	19	11	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F04	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07
	SAMPLE	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008
	DATE	3/31/2010	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.3 U	5.1 U	40	31	5.2 U	18	9.6 J	8	--	9	6	5.3 U	5.6 UJ	8	5.4 U	5.4 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.1 U	31	23	5.2 U	18	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Chrysene	ug/kg	7.5	5.1 U	78	46	5.2 U	37	25 J	13	--	5.6 U	6.7	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.1 U	8.3	6.8	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	7.7	5.4 U	5.4 U
Fluoranthene	ug/kg	17	5.1 U	140	100	5.2 U	82	45 J	28	--	7.8	16	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4
Fluorene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.1 U	30	25	5.2 U	16	10 J	7.6	--	8.6	5 U	5.3 U	5.6 UJ	7.3	5.4 U	5.4 U
Naphthalene	ug/kg	5.3 U	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
PAH High molecular weight	ug/kg	68.1	0	682	448	0	349	202	124	--	76.2	52.7	0	0	23	0	10.8
PAH Low molecular weight	ug/kg	0	0	23	15	0	13	13	13	--	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.3 U	5.1 U	23	15	5.2 U	13	13 J	13	--	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U
Pyrene	ug/kg	15	5.1 U	120	92	5.2 U	71	36 J	23	--	7.8	13	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F04	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07
	SAMPLE	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008
	DATE	3/31/2010	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	350 U	340 U	340 U	340 U	340 U	330 U	370 U	--	360 U	370 U	330 U	350 U	370 UJ	360 U	350 U	360 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F04	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07
	SAMPLE	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008
	DATE	3/31/2010	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J02	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06
	SAMPLE	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901
	DATE	5/10/2010	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	210	4400	1400	55	1600	340	440 J	--	110	1300	1700	53	210	67	58	760 J
1,2,3,4,6,7,8-HpCDF	ng/kg	21	390	140	6.5 U	150	23	43	--	26	81	350	2.8 U	18	6.3 U	5.4 U	61
1,2,3,4,7,8-HxCDD	ng/kg	1.4 J	26	17	0.43 U	12 J	3.6 J	6 J	--	1.1 U	11 J	19	0.63 U	1.6 U	1.1 U	0.7 J	--
1,2,3,4,7,8-HxCDF	ng/kg	1.4 U	26 U	10 U	0.91 U	19 U	0.27 U	4.5 J	--	1.8 J	9.8 J	46 U	0.49 U	1.7 U	0.87 U	0.82 J	--
1,2,3,4,7,8,9-HpCDF	ng/kg	2.6 J	34	7.7 U	0.81 U	13	1.8 U	5.3 J	--	2.9 J	7.8 J	32	0.47 U	1.2 U	2 U	0.62 U	--
1,2,3,6,7,8-HxCDD	ng/kg	6 J	110	47	1.8 J	57	12 J	17	--	4.8 U	42	68	1.8 J	7.9 J	3.1 U	2.2 U	24
1,2,3,6,7,8-HxCDF	ng/kg	3.2 U	63 U	4.5 U	0.95 U	8.5 U	1.6 J	3 J	--	1.7 U	7.2 J	32	0.34 U	1 J	0.71 J	0.3 U	--
1,2,3,7,8-PeCDD	ng/kg	0.48 U	0.7 U	14 U	0.28 U	0.4 U	0.63 U	0.4 U	--	0.91 U	0.82 U	0.54 U	0.36 U	0.93 U	0.48 U	0.26 U	--
1,2,3,7,8-PeCDF	ng/kg	0.4 U	0.35 U	0.78 U	0.25 U	0.39 U	0.28 U	3 J	--	0.28 U	5.5 J	24	0.21 U	0.42 U	0.75 U	0.3 U	--
1,2,3,7,8,9-HxCDD	ng/kg	3.1 J	42	29	1.3 J	27	7.4 J	11 J	--	2 U	24	34	0.98 U	3.9 U	1.8 U	1.2 U	3.9 J
1,2,3,7,8,9-HxCDF	ng/kg	0.96 U	0.4 U	0.48 U	0.4 U	0.53 U	0.31 U	--	0.28 U	1.2 U	1.2 U	12 J	0.33 U	0.4 U	2 U	0.42 U	2.8 J
2,3,4,6,7,8-HxCDF	ng/kg	0.78 U	770 U	140 U	0.62 J	14	49 U	3 J	--	44 U	6.7 J	50	10 U	29 U	1 U	7.2 U	--
2,3,4,7,8-PeCDF	ng/kg	0.59 J	8.2 U	0.65 U	0.25 U	0.38 U	1.4 U	4.3 J	--	0.82 J	0.84 U	0.57 U	0.31 U	0.42 U	0.8 U	0.3 U	--
2,3,7,8-TCDD	ng/kg	0.33 J	1.9 J	0.64 U	0.32 U	0.48 U	0.17 U	1 J	--	0.14 U	0.94 J	1.7 U	0.37 U	0.25 U	0.67 U	0.097 U	--
2,3,7,8-TCDF	ng/kg	0.47 U	3.9 U	3 J	0.63 U	5.3 U	1.4 U	3.8 J	--	0.5 U	4.7 J	19 U	0.32 U	0.88 U	1 U	0.067 U	0.71 U
OCDD	ng/kg	2500	50000	12000	580	14000	2900	5100 J	--	910	8600	14000	450	1900	630	990	17000 J
OCDF	ng/kg	120	1900	370	20 J	450	57	110	--	55	200	770	15 J	48	24 J	11 U	--
TEQ Avian	ng/kg	2.9	72	27	1.2	15	6.4	14	--	4.8	16	37	1.4	3.8	2.1	1.1	11
TEQ Human	ng/kg	5.3	130	44	1.6	35	10	14	--	5.4	29	52	1.9	6.3	2.2	1.9	22
TEQ Mammals	ng/kg	5.3	130	44	1.6	35	10	14	--	5.4	29	52	1.9	6.3	2.2	1.9	22
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.3 UJ	2 UJ	2.3 U	2.2 U	2.1 U	--	2 UJ	2.1 U	2 U	2.7	2.2 U	2.2 U	2.2 U	2.1 UJ	2.1 U
Arsenic	mg/kg	1.2	5	1.2	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Barium	mg/kg	230	780 J	160 J	230	360	390	270	--	210	230	720	140	170	210	63 J	160
Beryllium	mg/kg	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 UJ	1 UJ	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1.5	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.44 U	0.45 U	0.4 U	0.45 U	3.1	0.9	--	0.41 U	0.42 U	2.7	16	0.45 U	0.44 U	0.43 U	0.43 U	0.41 U
Chromium, total	mg/kg	25	42 J	20	60	74	59	60	--	41	52	140	52	49	46	54 J	--
Cobalt	mg/kg	7.2	7.1 J	4.3 J	15	12	13	15	--	9.7	8.5	11	12	11	12	12 J	--
Copper	mg/kg	15	26	26	29	39	37	26	--	17	39	210	20	18	18	25	32
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.7	5.5 J	9.7 J	4.6	24	5.7	4.2	--	7	71	96	4.8	5.7	5.2	7 J	--
Mercury	mg/kg	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.22	0.51	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 UJ	1 UJ	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U
Nickel	mg/kg	17	22 J	10 J	42	34	40	--	42 J	27	26	43	35	33	33	34 J	--
Selenium	mg/kg	1.1 U	1.1 U	1 UJ	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U
Silver	mg/kg	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Thallium	mg/kg	2.2 U	2.3 UJ	2 UJ	2.3 U	2.2 U	2.1 U	--	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 UJ	2.1 U
Vanadium	mg/kg	34	46 J	23	66	54	59	--	62 J	43	39	57	59	50	49	54 J	--
Zinc	mg/kg	34	41 J	38 J	47	92	58	--	46 J	41	130	290	41	41	41	43 J	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J02	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06
	SAMPLE	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901
	DATE	5/10/2010	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1221	ug/kg	36 U	37 UJ	33 U	38 U	36 U	35 U	--	34 U	35 U	33 U	34 U	37 U	36 U	36 UJ	35 U	34 U
Aroclor 1232	ug/kg	18 U	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1242	ug/kg	18 U	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1248	ug/kg	18 U	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1254	ug/kg	78	320 J	300	19 U	66	75	--	17 U	17 U	250	160	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1260	ug/kg	18 U	19 UJ	17 U	19 U	18 U	49	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1262	ug/kg	--	19 UJ	17 U	19 U	18 U	18 U	--	--	--	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Aroclor 1268	ug/kg	--	19 UJ	17 U	19 U	18 U	18 U	--	--	--	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U
Total PCBs	ug/kg	112	349	326	38 U	93	142	--	34 U	46.5	276	186	38 U	36 U	36 U	36 U	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
2-Methyl naphthalene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Acenaphthene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Acenaphthylene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Anthracene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
B(a)P Equivalent	ug/kg	6.4 U	13	24	6.6 U	15	6.2	--	5.9 U	11	59	26	6.5 U	6.4 U	6.5 U	6.1 U	6 U
Benzo (a) anthracene	ug/kg	5.5 U	5.6 J	17	5.7 U	9.3	5.4 U	--	5.1 U	6.3	34	18	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Benzo (a) pyrene	ug/kg	5.5 U	5.6 UJ	15	5.7 U	7.9	5.4 U	--	5.1 U	6	36	17	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.5 U	9 J	32	5.7 U	23	5.4 U	--	5.1 U	13	86	34	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J02	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06
	SAMPLE	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901
	DATE	5/10/2010	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.5 U	12 J	13	5.7 U	9	5.4 U	--	5.1 U	6.3	34	18	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.5 U	5.6 UJ	11	5.7 U	5.7	5.4 U	--	5.1 U	5.6	28	9.9	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Chrysene	ug/kg	5.5 U	7.9 J	18	5.7 U	13	5.4 U	--	5.1 U	9.5	50	21	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.5 U	8.2 J	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	7.4	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Fluoranthene	ug/kg	5.5 U	16 J	42	5.7 U	23	6.4	--	5.1 U	18	96	32	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Fluorene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.5 U	9.7 J	11	5.7 U	7.2	5.4 U	--	5.1 U	5.3	28	14	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Naphthalene	ug/kg	5.5 U	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
PAH High molecular weight	ug/kg	0	81.4	195	0	118	13.2	--	0	87	481	192	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	6	8.3	0	7.5	0	--	0	0	32	13	0	0	0	0	0
Phenanthrene	ug/kg	5.5 U	6 J	8.3	5.7 U	7.5	5.4 U	--	5.1 U	5.3 U	32	13	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Pyrene	ug/kg	5.5 U	13 J	36	5.7 U	20	6.8	--	5.1 U	17	82	28	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J02	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06
	SAMPLE	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901
	DATE	5/10/2010	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	360 U	370 UJ	330 U	380 U	360 U	350 U	--	340 U	350 U	330 U	340 U	370 U	360 U	370 UJ	350 U	340 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J02	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06
	SAMPLE	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901
	DATE	5/10/2010	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L06	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08
	SAMPLE	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-70017	AOC4-M08-10989	AOC4-M08.M09-70013	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069
	DATE	6/28/2010	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
SAMPLE TYPE		Field Duplicate	Field Duplicate														
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	410	--	1400	41	1600	43	140	1900	2600	1600	2200	1100	2300	200	20
1,2,3,4,6,7,8-HpCDF	ng/kg	--	25	--	100	2.5 J	110	2.7 J	8.4 J	100	160	74	97	87	170	12 J	0.97 U
1,2,3,4,7,8-HxCDD	ng/kg	0.53 U	--	0.82 J	2 J	0.33 J	2.3 J	0.25 U	0.33 U	3.8 J	3.5 J	7 J	18	2.3 J	5.8 J	0.46 U	0.25 U
1,2,3,4,7,8-HxCDF	ng/kg	1.5 U	--	0.26 U	9.2 J	0.24 U	9.6 J	0.16 U	0.24 U	8.9 U	16 U	6.9 U	14 U	6.9 J	13 U	0.51 U	0.43 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.3 U	0.38 U	--	8.2 J	0.26 U	6 J	0.5 U	0.35 U	0.73 U	13	6.7 J	14	0.27 U	0.86 U	0.53 U	0.34 U
1,2,3,6,7,8-HxCDD	ng/kg	--	11 J	--	35	1.2 J	39	0.96 U	3.3 J	46	62	38	77	30	62	4.7 J	0.38 U
1,2,3,6,7,8-HxCDF	ng/kg	0.89 U	--	1.9 U	4.9 U	0.15 U	0.12 U	0.15 U	0.76 U	5.5 U	9.7 U	2.4 J	13 U	0.087 U	6.8 U	0.99 U	0.12 U
1,2,3,7,8-PeCDD	ng/kg	0.15 U	--	0.18 U	0.35 U	0.14 U	0.5 J	0.21 J	0.24 U	0.34 U	0.45 U	0.48 U	1.2 U	0.16 U	0.36 U	0.27 U	0.19 U
1,2,3,7,8-PeCDF	ng/kg	0.41 U	--	0.21 U	0.3 U	0.059 U	1.1 J	0.096 U	0.11 U	1.5 U	1.4 J	1.5 U	0.77 U	0.89 U	1.6 J	0.18 U	0.085 U
1,2,3,7,8,9-HxCDD	ng/kg	--	1.8 J	--	5.4 J	0.21 U	5.9 J	0.45 U	0.38 U	9.2 U	8.7 U	13	21 U	4.8 J	13	1.1 U	0.25 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	0.32 U	5.1 J	0.2 U	5 J	0.19 U	0.29 U	0.43 U	7.8 J	0.5 U	1.1 U	3.3 J	6.8 J	0.61 U	0.17 U
2,3,4,6,7,8-HxCDF	ng/kg	41 U	--	57 U	210 U	4.5 U	160 U	6 U	22 U	170 U	310 U	140 U	0.94 U	120 U	270 U	29 U	3.4 U
2,3,4,7,8-PeCDF	ng/kg	0.7 J	0.26 U	--	2 U	0.057 U	2.6 J	0.1 U	0.11 U	2.3 U	3.4 J	2.1 J	5.1 J	2.2 J	3.2 J	0.27 U	0.082 U
2,3,7,8-TCDD	ng/kg	0.13 U	0.12 U	--	0.13 U	0.091 U	0.19 U	0.14 U	0.16 U	0.3 U	0.31 U	0.22 U	0.85 U	0.14 U	0.36 U	0.16 U	0.1 U
2,3,7,8-TCDF	ng/kg	--	--	0.24 U	0.25 U	0.2 U	0.59 J	0.086 U	0.27 U	0.61 J	0.45 U	0.88 U	1.4 U	0.49 U	0.77 U	0.49 J	0.36 U
OCDD	ng/kg	--	7100	--	25000	680	38000	590	2900	33000	41000	27000	22000	34000	50000	3500	240
OCDF	ng/kg	180	74	--	310	5.9 J	270	6 U	26	230	400	210	230	290	410	57	3.4 J
TEQ Avian	ng/kg	--	5.5	--	20	0.68	21	0.87	2.1	19	31	18	17	16	31	3.2	0.65
TEQ Human	ng/kg	--	11	--	40	1.2	44	1.3	4.1	45	66	39	44	34	64	5.6	0.71
TEQ Mammals	ng/kg	--	11	--	40	1.2	44	1.3	4.1	45	66	39	44	34	64	5.6	0.71
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	89.2	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	2.2 UJ	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	--	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Barium	mg/kg	--	--	270 J	160	140	170	--	160	120	280	140	160	170	190	140	120
Beryllium	mg/kg	--	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Cadmium	mg/kg	--	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	0.44 U	0.42 U	0.41 U	0.41 U	--	0.41 U	1.6	0.41 U	0.75	1.8	0.4 U	0.42 U	0.42 U	0.5
Chromium, total	mg/kg	50	--	58	61	34	31	--	45	48	47	39	69	38	33	31	26
Cobalt	mg/kg	12	--	15	13	8.9	8.3	--	11	11	12	9	11	8.6	8.8	8.1	7.4
Copper	mg/kg	--	--	36	30	14	10	--	21	26	29	24	200	12	13	9.8	9.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.8	--	8.1	5.2	4.6	5.1	--	5	5.8	5.5	7.3	6.2	4.9	5.3	5.2	5.4
Mercury	mg/kg	--	--	0.11 U	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Molybdenum	mg/kg	--	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Nickel	mg/kg	37	--	45 J	43	27	23	--	34	36	35	26	32	27	27	25	23
Selenium	mg/kg	--	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Silver	mg/kg	--	--	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Thallium	mg/kg	--	--	2.2 UJ	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	57	--	67 J	59	42	38	--	48	52	52	42	44	41	40	36	35
Zinc	mg/kg	48	--	61 J	51	34	34	--	43	49	46	49	50	33	34	33	33
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L06	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08
	SAMPLE	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-70017	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069
	DATE	6/28/2010	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate	Field Duplicate														
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U
Aroclor 1221	ug/kg	--	--	36 U	35 U	34 U	34 U	--	34 U	34 U	34 U	34 U	34 U	34 U	35 U	35 U	35 U
Aroclor 1232	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U
Aroclor 1242	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U
Aroclor 1248	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U
Aroclor 1254	ug/kg	--	19	--	17 U	17 U	17 U	--	17 U	28	36	43	140	17 U	58	17 U	18 U
Aroclor 1260	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	29	17 U	17 U	17 U	18 U
Aroclor 1262	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U
Aroclor 1268	ug/kg	--	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U
Total PCBs	ug/kg	--	46	--	34 U	34 U	34 U	--	34 U	53.5	61.5	68.5	186	34 U	83.5	34 U	36 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
Acenaphthene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
Anthracene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	--	--	6.4 U	6.1 U	6 U	5.9 U	--	6 U	6.2	20	6.8	14	5.9 U	6.1	6 U	6.1 U
Benzo (a) anthracene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	16	5.1	11	5.1 U	5.3 U	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	13	5.1 U	7.8	5.1 U	5.3 U	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.8	22	8.8	15	5.1 U	5.3 U	5.2 U	5.3 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L06	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08
	SAMPLE	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-70017	AOC4-M08-10989	AOC4-M08.M09-70013	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069
	DATE	6/28/2010	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate	Field Duplicate														
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	7.2	5.1 U	5.8	5.1 U	5.3 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	6.5	5.1 U	5.1	5.1 U	5.3 U	5.2 U	5.3 U
Chrysene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.5	15	6.1	10	5.1 U	5.3 U	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
Fluoranthene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	12	35	13	23	5.1 U	6.3	5.2 U	5.3 U
Fluorene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	6.2	5.1 U	5.1	5.1 U	5.3 U	5.2 U	5.3 U
Naphthalene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U
PAH High molecular weight	ug/kg	--	--	0	0	0	0	--	0	32.5	151	44	104	0	11.9	0	0
PAH Low molecular weight	ug/kg	--	--	0	0	0	0	--	0	5.8	15	0	5.4	0	0	0	0
Phenanthrene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.8	15	5.1 U	5.4	5.1 U	5.3 U	5.2 U	5.3 U
Pyrene	ug/kg	--	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	9.2	30	11	21	5.1 U	5.6	5.2 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L06	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08
	SAMPLE	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-70017	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069
	DATE	6/28/2010	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate	Field Duplicate														
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	360 U	350 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	350 U	350 U	350 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L06	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08
	SAMPLE	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-70017	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069
	DATE	6/28/2010	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate	Field Duplicate														
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O07	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15
	SAMPLE	AOC4-O07-11145	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100
	DATE	10/1/2010	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	570	390	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 J
1,2,3,4,6,7,8-HpCDF	ng/kg	36	23	--	--	--	--	--	--	--	--	--	--	--	--	--	130 J
1,2,3,4,7,8-HxCDD	ng/kg	1.1 J	0.68 U	--	--	--	--	--	--	--	--	--	--	--	--	--	18 J
1,2,3,4,7,8-HxCDF	ng/kg	4.4 J	0.27 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.8 J
1,2,3,4,7,8,9-HpCDF	ng/kg	1.1 U	2.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--	10 J
1,2,3,6,7,8-HxCDD	ng/kg	17	11 J	--	--	--	--	--	--	--	--	--	--	--	--	--	46 J
1,2,3,6,7,8-HxCDF	ng/kg	4.7 U	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	6.1 J
1,2,3,7,8-PeCDD	ng/kg	0.38 U	0.25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	11 J
1,2,3,7,8-PeCDF	ng/kg	0.43 U	0.53 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2.9 J
1,2,3,7,8,9-HxCDD	ng/kg	2.3 U	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	29 J
1,2,3,7,8,9-HxCDF	ng/kg	0.41 U	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 UJ
2,3,4,6,7,8-HxCDF	ng/kg	0.36 U	67 U	--	--	--	--	--	--	--	--	--	--	--	--	--	220 UJ
2,3,4,7,8-PeCDF	ng/kg	0.42 U	0.68 U	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6 J
2,3,7,8-TCDD	ng/kg	0.19 U	0.17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	0.09 UJ
2,3,7,8-TCDF	ng/kg	0.29 U	0.34 U	--	--	--	--	--	--	--	--	--	--	--	--	--	3 J
OCDD	ng/kg	9300	6900	--	--	--	--	--	--	--	--	--	--	--	--	--	18000 J
OCDF	ng/kg	120	84	--	--	--	--	--	--	--	--	--	--	--	--	--	310 J
TEQ Avian	ng/kg	3.6	5.8	--	--	--	--	--	--	--	--	--	--	--	--	--	41
TEQ Human	ng/kg	12	11	--	--	--	--	--	--	--	--	--	--	--	--	--	59
TEQ Mammals	ng/kg	12	11	--	--	--	--	--	--	--	--	--	--	--	--	--	59
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	8.52	8.17	9.23	8.94	8.65	8.07	8.48	8.55	8.57	8.45	--	9.41	9.08	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 UJ	2.1 U	2 UJ	--	2 U	2.1 U	2 U	2.2 U
Arsenic	mg/kg	1 U	1 U	6.2	4.1	5.1	7.3	3.6	3.4	7.3	6.6	5.2	--	3.8	12	7.1	2.6 J
Barium	mg/kg	130	140	93	89	76	110	130	120	190 J	220	180	--	130	170	160	160
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	1	0.48 U	0.42	0.49	0.42 U	0.41 U	0.73	0.42 U	0.4 U	--	0.41 U	1.7	0.41 U	0.21 U
Chromium, total	mg/kg	34	25	23	9.7	28	30	18	20	34	40	18	--	23 J	31	38	24 J
Cobalt	mg/kg	8.8	6.9	5.4	4.3	6.8	8.1	4.5	4.3	9.4	11	4.7	--	4.7	5.4 U	8.8	5.5 J
Copper	mg/kg	15	15	9.1	5	11	15	8.5	9.7	19	17	13	--	9.8	24	17	17 J
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.1	5.3	19	4.5	18	15	7.7	7.1	13	11	8.3	--	10	34	13	15 J
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11	0.13	0.1 U	0.1 U	0.1 U	0.099 U	--	0.1 U	0.11 U	0.1 U	0.11 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 U
Nickel	mg/kg	29	21	11	7.4	15	19	11	11	24	29	11	--	13	10	22	13
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1.1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 UJ
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	4 U	4.3 U	4 U	4.1 U	4.1 U	4 U	--	4.1 U	11 U	4.1 U	2.2 U
Vanadium	mg/kg	39	35	26	17	30	35	25	24	38	40	27	--	27	19	33	25 J
Zinc	mg/kg	33	43	46	17	49	110	35	30	57	50	36	--	35	81	61	52
Metals CLP																	

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Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O07	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15
	SAMPLE	AOC4-O07-11145	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100
	DATE	10/1/2010	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	6900	--	13000	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	26000	--	38000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	1 U	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	12000	--	22000 J	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	5700	--	9600 J	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	210	--	310 J	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	1500	--	2500	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	450	--	620	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	3.2	--	2 U	--	--	--	--	--	--	2.2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
Aldrin	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
beta-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 UJ
delta-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
Dieldrin	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
Endrin	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
Heptachlor	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 UJ
Methoxy chlor	ug/kg	--	--	--	--	--	--	5.3 U	--	5.1 U	--	--	--	--	--	--	5.4 U
Toxaphene	ug/kg	--	--	--	--	--	--	53 U	--	51 U	--	--	--	--	--	--	54 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U
Aroclor 1221	ug/kg	33 U	34 U	--	--	--	--	35 U	--	34 U	34 UJ	--	--	--	--	--	36 U
Aroclor 1232	ug/kg	17 U	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U
Aroclor 1242	ug/kg	17 U	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U
Aroclor 1248	ug/kg	17 U	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U
Aroclor 1254	ug/kg	28	100	--	--	--	--	18 U	--	44	17 UJ	--	--	--	--	--	580
Aroclor 1260	ug/kg	17 U	25	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	360
Aroclor 1262	ug/kg	17 U	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	--
Total PCBs	ug/kg	54.5	142	--	--	--	--	18 U	--	52.5	17 U	--	--	--	--	--	940
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.9	51	5.3 U	45	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5 U	36	5.3 U	56	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5 UJ	5.1 UJ	5 UJ	5.1 UJ	5.3 U	5.1 U	5.1 UJ	5.2 UJ	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U
Anthracene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	6.5 J	5.4 U
B(a)P Equivalent	ug/kg	5.9	6.6	26	5.9 U	55	71	23	22	21	6	65	--	24	6.2 U	37	120
Benzo (a) anthracene	ug/kg	5.1 U	5.4	13	5.1 U	30	30	11	13	8.8	5.2 U	31	9.1	--	5.4 U	15 J	40
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	18	5.1 U	34	45	16	15	14	5.2 U	45	--	20	5.4 U	15 J	68
Benzo (b) fluoranthene	ug/kg	5.1 U	7.1	21	5.1 U	40	46	21	21	18	5.2 U	41	14	--	5.4 U	19 J	130

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	LOCATION	AOC4-O07	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15
	SAMPLE	AOC4-O07-11145	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100
	DATE	10/1/2010	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
	SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	16	5.1 U	33	41	13	12	14	5.2 U	25	8.6	--	5.4 U	17 J	65
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	20	5.1 U	34	53	10	9.2	15	5.2 U	53	14	--	5.4 U	15 J	54 U
Chrysene	ug/kg	5.1 U	6.8	24	5.1 U	40	54	17	18	17	5.2 U	60	--	39 J	5.4 U	16 J	70
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	11	14	5.3 U	5.1 U	5.1 U	5.2 U	9.8	--	5.1 U	5.4 U	17 J	54 U
Fluoranthene	ug/kg	8.1	13	34	5.1 U	71	74	25	28	24	6.3	87	27	--	5.4 U	10 J	140
Fluorene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	16	5.1 U	29	36	12	12	12	5.2 U	27	8.7	--	5.4 U	17 J	57
Naphthalene	ug/kg	5.1 U	5.1 U	5 U	4 U	5 U	5.8	5.3 U	9	5.1 U	5.2 U	5 U	4.9 U	--	5.4 U	5.1 U	5.4 U
PAH High molecular weight	ug/kg	13.8	44.3	194	0	385	464	148	154	145	12.3	460	137	--	0	152	700
PAH Low molecular weight	ug/kg	0	0	12	0	27.9	114	5.5	118	7.2	0	26	--	49	0	6.5	34
Phenanthrene	ug/kg	5.1 U	5.1 U	12	5.1 U	22	21	5.5	8.4	7.2	5.2 U	26	--	49 J	5.4 U	5.1 U	34
Pyrene	ug/kg	5.7	12	32	5.1 U	63	71	23	26	22	6	81	24	--	5.4 U	11 J	130
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2-Chlorophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2-Methylphenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
2-Nitrophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	750 U	--	710 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2,4-Dimethylphenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2,4-Dinitrophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
2,6-Dinitrotoluene	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
3-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	660 U	670 U	660 U	670 U	710 U	670 U	670 U	680 U	660 U	--	670 U	710 U	670 U	--
4-Chloroaniline	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
4-Methylphenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
4-Nitroaniline	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
4-Nitrophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	750 U	--	710 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	--
Benzyl alcohol	ug/kg	--	--	660 U	670 U	660 U	670 U	710 U	670 U	670 U	680 U	660 U	--	670 U	710 U	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Butylbenzylphthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	350 UJ	--	340 UJ	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	350 U	--	340 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Di-n-octyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Dibenzofuran	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Diethyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Dimethyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Hexachlorobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Hexachloroethane	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O07	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15
	SAMPLE	AOC4-O07-11145	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100
	DATE	10/1/2010	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
N-nitrosodiphenylamine	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Pentachlorophenol	ug/kg	330 U	340 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
Phenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	13	10 UJ	34.8	--
TPH as gasoline	mg/kg	--	--	--	0.85 UJ	--	1 U	--	1 U	--	1 U	--	--	1.1 U	--	0.84 U	--
TPH as motor oil	mg/kg	--	--	10 U	14.2	12.1	22	51.8	46.7	19.9	10 U	19.2 J	--	77.9 J	48.4 J	702 J	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1-Dichloroethene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1-Dichloropropene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2-Dibromoethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2-Dichlorobenzene	ug/kg	--	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--
1,2-Dichloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2-Dichloropropane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,3-Dichlorobenzene	ug/kg	--	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--
1,3-Dichloropropane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
1,4-Dichlorobenzene	ug/kg	--	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	350 U	--	340 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	63 U	--	59 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
4-Isopropyltoluene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Acetone	ug/kg	--	--	--	40 U	--	--	--	--	--	59 U	--	--	52 U	--	--	--
Acrolein	ug/kg	--	--	--	80 U	--	100 U	--	130 U	--	120 U	--	98 U	--	--	100 U	--
Acrylonitrile	ug/kg	--	--	--	40 U	--	51 U	--	63 U	--	59 U	--	49 U	--	--	52 U	--
Benzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Bromobenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Bromochloromethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Bromodichloromethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Bromoform	ug/kg	--	--	--	4 UJ	--	5.1 UJ	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Bromomethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Carbon disulfide	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Carbon tetrachloride	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Chloro methane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Chlorobenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Chloroethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O07	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15
	SAMPLE	AOC4-O07-11145	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100
	DATE	10/1/2010	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	6.3 U	--	5.9 U	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Dibromomethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Ethyl- benzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Hexachlorobutadiene	ug/kg	--	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	710 U	--	670 U	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
Isopropylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	6.3 U	--	5.9 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	40 U	--	51 U	--	63 U	--	59 U	--	49 U	--	--	52 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	40 U	--	51 U	--	63 U	--	59 U	--	49 U	--	--	52 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	6.3 U	--	5.9 U	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
N-Butylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
N-Propylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Nitrobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--
p-Chlorotoluene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
sec-Butylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Styrene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
tert-Butylbenzene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Tetrachloroethene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Toluene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Trichloroethene	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Vinyl chloride	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Xylene, m,p-	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Xylene, o-	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--
Xylenes, total	ug/kg	--	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20
	SAMPLE	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118
	DATE	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	9	14	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	5500 J	9300 J	290 J	600 J	--	--	--	2000 J	--	1000 J	430 J	220 J	--	--	--	410 J
1,2,3,4,6,7,8-HpCDF	ng/kg	430 J	210 J	23 J	55 J	--	--	--	150 J	--	70 J	34 J	19 J	--	--	--	36 J
1,2,3,4,7,8-HxCDD	ng/kg	48 J	110 J	2.9 J	3.7 UJ	--	--	--	12 J	--	6.6 J	4.3 UJ	1.7 J	--	--	--	1.1 UJ
1,2,3,4,7,8-HxCDF	ng/kg	28 J	20 J	2.6 UJ	2.4 J	--	--	--	9.7 J	--	5 J	1.8 UJ	1.1 UJ	--	--	--	1.2 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	32 J	17 UJ	1.7 UJ	3.4 UJ	--	--	--	9.8 J	--	6.3 J	2.3 UJ	0.88 UJ	--	--	--	2.3 UJ
1,2,3,6,7,8-HxCDD	ng/kg	140 J	150 J	6.1 UJ	10 UJ	--	--	--	46 J	--	20 UJ	10 J	4.8 UJ	--	--	--	8.6 UJ
1,2,3,6,7,8-HxCDF	ng/kg	38 J	12 J	1.4 UJ	2.1 UJ	--	--	--	6.5 J	--	3.5 UJ	2.1 UJ	0.82 UJ	--	--	--	2.4 J
1,2,3,7,8-PeCDD	ng/kg	28 J	17 J	1.2 UJ	2 UJ	--	--	--	5.2 J	--	1.2 UJ	1.4 UJ	0.97 UJ	--	--	--	1.6 UJ
1,2,3,7,8-PeCDF	ng/kg	19 J	6.3 UJ	3.4 J	1.2 UJ	--	--	--	3.4 J	--	1.6 UJ	2.6 UJ	1.6 J	--	--	--	1.2 UJ
1,2,3,7,8,9-HxCDD	ng/kg	90 J	60 J	4 J	7.3 UJ	--	--	--	17 J	--	9.6 J	6.9 J	1.6 UJ	--	--	--	5.1 UJ
1,2,3,7,8,9-HxCDF	ng/kg	6.8 J	5.5 J	0.55 UJ	0.39 UJ	--	--	--	2.6 UJ	--	1.5 UJ	0.67 UJ	1 UJ	--	--	--	0.64 UJ
2,3,4,6,7,8-HxCDF	ng/kg	350 UJ	420 UJ	23 UJ	34 UJ	--	--	--	240 UJ	--	110 UJ	42 UJ	31 UJ	--	--	--	39 UJ
2,3,4,7,8-PeCDF	ng/kg	12 J	6.9 J	1.7 UJ	1.2 UJ	--	--	--	3.6 J	--	1.8 UJ	0.77 UJ	0.63 UJ	--	--	--	1.2 UJ
2,3,7,8-TCDD	ng/kg	2 UJ	2.4 UJ	0.22 UJ	0.26 UJ	--	--	--	0.14 UJ	--	0.17 UJ	0.13 UJ	0.15 UJ	--	--	--	0.25 UJ
2,3,7,8-TCDF	ng/kg	0.73 UJ	3.5 UJ	1.5 J	0.27 UJ	--	--	--	2.4 J	--	1.2 J	0.99 UJ	0.57 UJ	--	--	--	0.55 UJ
OCDD	ng/kg	41000 J	51000 J	2800 J	7200 J	--	--	--	18000 J	--	9400 J	4000 J	2000 J	--	--	--	3600 J
OCDF	ng/kg	940 J	400 J	70 J	290 J	--	--	--	300 J	--	170 J	90 J	46 J	--	--	--	97 J
TEQ Avian	ng/kg	95	82	6.2	6.4	--	--	--	34	--	13	6.2	3.8	--	--	--	5.6
TEQ Human	ng/kg	160	190	7.6	13	--	--	--	55	--	24	11	5.9	--	--	--	9.8
TEQ Mammals	ng/kg	160	190	7.6	13	--	--	--	55	--	24	11	5.9	--	--	--	9.8
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	8.62	8.72	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	2 U	2.1 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	--
Arsenic	mg/kg	3.1	3.3	2.9	3.3	3.3	--	--	5.9	3.8	4.2	3.7	4.1	3.9	3.2	3.3	--
Barium	mg/kg	170	72	89	91	84	--	--	120	110	110	89	73	98	120	150	--
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.58	4.4	0.2 U	0.2 U	0.2 U	1.2	0.21 U	0.55	0.94	--	--	--	--	0.4 U	0.41 U	--
Chromium, total	mg/kg	25	48	17	14	12	--	--	25	20	19	13	13	17	16	11	--
Cobalt	mg/kg	5	5.6	5	4.5	4	--	--	7.4	5.3	5.1	4	4.5	5.5	4.7	3	--
Copper	mg/kg	14	11	18	6.3	6.2	--	--	17	11	9.3	15	7.6	14	11	5.9	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	23	22	6.8	7.1	2.9	--	--	14	28	9.4	13	7.4	5.1	9.6	4.9	7.1
Mercury	mg/kg	0.1 U	0.14	0.11	0.11 U	0.1 U	--	--	0.18	0.75	0.15	0.1 U	0.12	0.1 U	0.099 U	0.1 U	0.11
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--
Nickel	mg/kg	12	12	11	9.1	8.9	--	--	15	9.9	12	7.8	9.9	15	11	6.9	--
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--
Thallium	mg/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	2 U	2.1 U	2.1 UJ	2 U	2 U	2 U	4 U	4 U	--
Vanadium	mg/kg	23	23	22	19	17	--	--	31	22	21	17	17	21	25	20	--
Zinc	mg/kg	46	69	34	26	21	--	--	57	53	42	35	33	29	33	20	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20
	SAMPLE	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118
	DATE	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	9	14	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
4,4-DDE	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
4,4-DDT	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
Aldrin	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
alpha-BHC	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
alpha-Chlordane	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
beta-BHC	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
delta-BHC	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
Dieldrin	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
Endo sulfan I	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
Endo sulfan II	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
Endrin	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
gamma-Chlordane	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
Heptachlor	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
Heptachlor Epoxide	ug/kg	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U
Methoxy chlor	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	5.2 U
Toxaphene	ug/kg	53 U	52 U	50 U	50 U	51 U	--	--	--	--	51 U	51 U	51 U	51 U	--	--	52 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U
Aroclor 1221	ug/kg	35 U	35 U	33 U	33 U	34 U	--	--	34 R	--	34 U	33 U	33 U	34 U	--	--	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U
Aroclor 1254	ug/kg	690	260	17 U	20	17 U	--	--	35 J	--	26	29	17 U	17 U	--	--	53
Aroclor 1260	ug/kg	300	17 U	17 U	17 U	17 U	--	--	17 R	--	21	19	17 U	17 U	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	990	269	17 U	28.5	17 U	--	--	43.5 JH	--	47	48	17 U	17 U	--	--	61.5
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5.3 U	9.8	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Acenaphthene	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Acenaphthylene	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Anthracene	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	170	69	17	5.8 U	5.9 U	--	--	97	180	24	33	5.9 U	5.9 U	11	5.9 U	13
Benzo (a) anthracene	ug/kg	100	32	7.7	5 U	5.1 U	--	--	31	73 J	11	15	5.1 U	5.1 U	5 U	5.1 U	6.2
Benzo (a) pyrene	ug/kg	120	52 U	11	5 U	5.1 U	--	--	57 J	120 None	16	23	5.1 U	5.1 U	6.6	5.1 U	7.3
Benzo (b) fluoranthene	ug/kg	270	110	23	5 U	5.1 U	--	--	88 J	250 None	32	44	5.1 U	5.1 U	9.5	5.1 U	17

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20
	SAMPLE	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118
	DATE	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	9	14	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	29	52 U	5 U	5 U	5.1 U	--	--	51 U	52 U	7.9	10	5.1 U	5.1 U	6.2	5.1 U	5.2 U
Benzo (k) fluoranthene	ug/kg	69	52 U	9.4	5 U	5.1 U	--	--	51 U	90 J	8.5	13	5.1 U	5.1 U	5 U	5.1 U	7.3
Chrysene	ug/kg	120	30	10	5 U	5.1 U	--	--	54	130 J	20	27	5.1 U	5.1 U	7.4	5.1 U	8
Dibenzo (a,h) anthracene	ug/kg	9.1	52 U	5 U	5 U	5.1 U	--	--	51 U	52 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Fluoranthene	ug/kg	270	55	19	5 U	5.1 U	--	--	76	140	28	39	5.1 U	5.1 U	10	5.1 U	16
Fluorene	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	33	52 U	5 U	5 U	5.1 U	--	--	51 U	52 U	7.2	9.8	5.1 U	5.1 U	5.5	5.1 U	5.2 U
Naphthalene	ug/kg	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U
PAH High molecular weight	ug/kg	1270	277	98.1	0	0	--	--	382	933	158	222	0	0	54.9	0	76.8
PAH Low molecular weight	ug/kg	56	27.8	0	0	0	--	--	17	43	6.8	9.1	0	0	0	0	5.9
Phenanthrene	ug/kg	56	18	5 U	5 U	5.1 U	--	--	17	43	6.8	9.1	5.1 U	5.1 U	5 U	5.1 U	5.9
Pyrene	ug/kg	250	50	18	5 U	5.1 U	--	--	76	130	27	41	5.1 U	5.1 U	9.7	5.1 U	15
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20
	SAMPLE	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118
	DATE	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	9	14	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.93 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20
	SAMPLE	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118
	DATE	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	9	14	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5
	SAMPLE	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		2	5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
SAMPLE TYPE				Field Duplicate		Field Duplicate											
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	540 J	1300 J	--	--	3600	18 U	5.6 U	--	960	3800	100	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	38 J	110 J	--	--	380	0.3 U	0.87 U	--	49	200	5.3 U	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	4.6 J	11 J	--	--	--	0.19 U	0.22 U	14	9.9 J	20	0.34 U	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	3.4 UJ	9.3 UJ	--	--	15 U	0.22 U	0.35 U	--	1.4 U	23	0.35 U	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	2.7 J	7.6 UJ	--	--	--	0.8 U	0.19 U	27 J	2.6 U	18	6.5 U	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	12 UJ	30 J	--	--	81	0.26 U	0.24 U	--	22	63	3.9 J	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	3.8 UJ	7 UJ	--	--	13 U	0.17 U	0.3 U	--	5.5 J	32 U	0.75 U	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	1.7 UJ	4.9 UJ	--	--	--	0.17 U	0.063 U	2.6 U	5.2 U	73 U	0.32 U	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	3.2 J	9.9 J	--	--	1 U	0.39 U	0.13 U	--	11 J	3.8 U	1.6 U	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	6.9 J	14 UJ	--	--	--	0.17 U	0.19 U	23	13	26	1.1 J	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	1.2 UJ	0.91 UJ	--	--	17 U	0.25 U	0.39 U	--	1.6 U	6.4 U	0.41 U	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	44 UJ	130 UJ	--	--	900 U	1.5 U	0.35 U	--	110 U	5.6 U	44 U	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	1.3 UJ	4.7 UJ	--	--	1 U	0.19 U	0.13 U	--	2.5 U	3.8 U	0.15 U	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.23 UJ	0.48 UJ	--	--	0.23 U	0.12 U	0.16 U	--	0.26 U	1.4 U	0.1 U	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	2.8 J	9.1 J	--	--	--	0.098 U	0.36 U	0.51 U	11	7.7 U	0.19 U	--	--	--	--	--
OCDD	ng/kg	3500 J	12000 J	--	--	34000 J	170	94 U	--	8100	24000	1000	--	--	--	--	--
OCDF	ng/kg	72 J	230 J	--	--	870	2.9 U	2.2 U	--	87	480	22 J	--	--	--	--	--
TEQ Avian	ng/kg	9.6	28	--	--	--	0.46	0.46 U	68	27	60	3.2	--	--	--	--	--
TEQ Human	ng/kg	13	35	--	--	--	0.47	0.3 U	110	28	100	4.4	--	--	--	--	--
TEQ Mammals	ng/kg	13	35	--	--	--	0.47	0.3 U	110	28	100	4.4	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	7.92	8.22	7.63	7.69	9.12
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	2.1 U	2.1 U	2.1 U	2.4 U	2.1 U	2.2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	--	--	--	--	3.6	3.1	3	--	4.6	5.1	1.5	3.2	3.5	3.7	3.9	4.9
Barium	mg/kg	--	--	--	--	170 J	200	220	--	190	140	130	110	130	120	110	90
Beryllium	mg/kg	--	--	--	--	--	1 U	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U
Cadmium	mg/kg	--	--	--	--	--	1.1	1.1	1 U	1.2 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.4 U	0.45 U	1.1	0.4 U	0.73
Chromium, total	mg/kg	--	--	--	--	--	48	57	34	30	62	41	25	15	22	19	35
Cobalt	mg/kg	--	--	--	--	8.2	15	12	--	8.2	6.8	2.6	4.1	3.8	5	4.6	7.1
Copper	mg/kg	--	--	--	--	13	23	22	--	23	27	13	17	7.3	12	11	19
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	47	9.3	2.2	4	2.7	2.4	--	17	20	6.4	9	23	13	11	28
Mercury	mg/kg	0.12	0.16	--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.12 U	0.17	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	1 U	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U
Nickel	mg/kg	--	--	--	--	18	38	38	--	18	16	5.9	12	10	12	11	17
Selenium	mg/kg	--	--	--	--	--	1 UJ	1 UJ	1 UJ	1.2 UJ	1 UJ	1.1 UJ	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	--	1 U	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U
Thallium	mg/kg	--	--	--	--	--	2.1 UJ	2.1 UJ	2.1 UJ	2.4 UJ	2.1 UJ	2.2 UJ	4 U	4.1 U	4 U	4 U	2 U
Vanadium	mg/kg	--	--	--	--	31	46	47	--	32	28	18	24	23	29	25	30
Zinc	mg/kg	--	--	--	--	--	44	42	47 J	60	42	18	49	92	53	42	100
Metals CLP																	

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Dataset for OCS HHERA

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5
	SAMPLE	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		2	5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
SAMPLE TYPE				Field Duplicate		Field Duplicate											
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	9100	--	--	--	--	--	--	--	10000
Calcium	mg/kg	--	--	--	--	--	--	--	25000	--	--	--	--	--	--	--	26000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Iron	mg/kg	--	--	--	--	--	--	--	19000	--	--	--	--	--	--	--	17000
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	6800 J	--	--	--	--	--	--	--	7400
Manganese	mg/kg	--	--	--	--	--	--	--	230	--	--	--	--	--	--	--	250
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	1900 J	--	--	--	--	--	--	--	2300
Sodium	mg/kg	--	--	--	--	--	--	--	260	--	--	--	--	--	--	--	810
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
4,4-DDE	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
4,4-DDT	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
Aldrin	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
alpha-Chlordane	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
delta-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Dieldrin	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
Endo sulfan I	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
Endosulfan sulfate	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
Endrin	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
Endrin aldehyde	ug/kg	2.1 U	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U
gamma-BHC	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
gamma-Chlordane	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	5.2 U	5.1 U	--	5.1 U	--	--	--	5.2 U	--	--	--	--	--	--	--	5 U
Toxaphene	ug/kg	52 U	51 U	--	51 U	--	--	--	52 U	--	--	--	--	--	--	--	50 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	17 U	--	16 U	17 U	17 U	19 U	17 U	18 U	--	--	--	--	16 U
Aroclor 1221	ug/kg	34 U	34 U	--	34 U	--	31 U	34 U	35 U	39 U	35 U	36 U	--	--	--	--	33 U
Aroclor 1232	ug/kg	17 U	17 U	--	17 U	--	16 U	17 U	17 U	19 U	17 U	18 U	--	--	--	--	16 U
Aroclor 1242	ug/kg	17 U	17 U	--	17 U	--	16 UJ	17 UJ	17 UJ	19 UJ	17 UJ	18 UJ	--	--	--	--	16 U
Aroclor 1248	ug/kg	17 U	17 U	--	17 U	--	16 U	17 U	17 U	19 UJ	17 UJ	18 UJ	--	--	--	--	16 U
Aroclor 1254	ug/kg	--	87	36	17 U	--	16 U	17 U	28	780	1400	18 U	--	--	--	--	160
Aroclor 1260	ug/kg	17 U	39	--	17 U	--	16 U	17 U	32	550	930	18 U	--	--	--	--	16 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16 U
Total PCBs	ug/kg	--	126	44.5	17 U	--	16 U	17 U	60	1330	2330	18 U	--	--	--	--	168
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	160
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	120
Acenaphthene	ug/kg	5.2 U	9.9	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3	53	5 U	5.1 U	5 U	5 U	5.1
Acenaphthylene	ug/kg	5.2 U	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	5 UJ
Anthracene	ug/kg	5.2 U	23	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9	41	190	5 U	5.1 U	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	95	340	--	5.9 U	21	6 U	6 U	--	180	980	600	24	5.9 U	33	31	110
Benzo (a) anthracene	ug/kg	74 J	260	--	5.1 U	24	5.2 U	5.2 U	--	140	1000	860	12	5.1 U	19	18	60
Benzo (a) pyrene	ug/kg	72 J	240	--	5.1 U	13	5.2 U	5.2 U	--	130	730	410	16	5.1 U	23	22	73
Benzo (b) fluoranthene	ug/kg	110 J	380	--	5.1 U	--	5.2 U	5.2 U	28 J	300	1300	780	24	5.1 U	32	31	77

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5
	SAMPLE	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		2	5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
SAMPLE TYPE				Field Duplicate		Field Duplicate											
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	19	75	--	5.1 U	7.7	5.2 U	5.2 U	--	57	150	210	14	5.1 U	19	18	58
Benzo (k) fluoranthene	ug/kg	42 J	170	--	5.1 U	--	5.2 U	5.2 U	8.4	61	270	190	11	5.1 U	14	14	90
Chrysene	ug/kg	58	190	--	5.1 U	21	5.2 U	5.2 U	--	150	830	660	20	5.1 U	27	28	95
Dibenzo (a,h) anthracene	ug/kg	5.2 U	51 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	17
Fluoranthene	ug/kg	--	540	51 J	5.1 U	37 J	5.2 U	5.2 U	--	290	1800	2200	32	5.1 U	44	44	140
Fluorene	ug/kg	5.2 U	5.1	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	29	5 U	5.1 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	19	72	--	5.1 U	6.7	5.2 U	5.2 U	--	59	160	190	14	5.1 U	18	18	52
Naphthalene	ug/kg	5.2 U	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	16
PAH High molecular weight	ug/kg	604	2400	--	0	181	0	0	--	1460	7840	7200	172	0	237	234	792
PAH Low molecular weight	ug/kg	41	258	--	0	14	0	0	--	98.9	506	1770	9.1	0	13	15	347
Phenanthrene	ug/kg	41 J	220	--	5.1 U	--	5.2 U	5.2 U	8.4	93	460	1500	9.1	5.1 U	13	15	46
Pyrene	ug/kg	--	470	47 J	5.1 U	39 J	5.2 U	5.2 U	--	270	1600	1700	29	5.1 U	41	41	130
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	690 U	--	--	--	330 U	340 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	690 U	--	--	--	660 U	680 U	670 U	660 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	690 U	--	--	--	330 U	340 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U
Atrazine	ug/kg	--	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U
Benzoic acid	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	690 U	--	--	--	660 U	680 U	670 U	660 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U
Carbazole	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5
	SAMPLE	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		2	5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
SAMPLE TYPE				Field Duplicate		Field Duplicate											
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.2 UJ	--	3.7 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	24.4	17.3	11.8	11.7	61.6
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	71 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	71 U	--	--	--	--	--	--	59 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	140 U	--	--	--	--	100 U	--	120 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	71 U	--	--	--	--	51 U	--	59 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--

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Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5
	SAMPLE	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		2	5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5
SAMPLE TYPE				Field Duplicate		Field Duplicate											
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	690 U	--	--	--	--	--	--	--	660 U
Isophorone	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	7.1 UJ	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	71 U	--	--	--	--	51 U	--	59 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	71 U	--	--	--	--	51 U	--	59 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	SAMPLE	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	DATE	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
SAMPLE TYPE		Field Duplicate											Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	3200 J	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	210 J	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	21 J	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	9.3 J	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	15 J	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	59 J	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	6 UJ	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	6.1 J	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	2.4 UJ	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	19 J	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	3.3 J	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	350 UJ	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	3.1 J	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	0.44 UJ	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	1.2 UJ	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	34000 J	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	490 J	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	42	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	81	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	81	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7	5.9
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.01	--	8.77	8.34	8.27	8.71	8.68	8.2	8.42	9.13	8.36	8.57	--	8.8	7.7	8.46
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.7	27.4
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.1 U	--	2.1 U	--	4.4 U	4.9 U
Arsenic	mg/kg	7	--	3.8	3.8	2.2	4.3	6.3	3.6	4	5	4.8	--	4.9	--	8.3	7.4
Barium	mg/kg	--	130	180	120	94	83	130	100	87	120	91	--	97	--	163	595
Beryllium	mg/kg	--	2 U	2 U	2.1 U	2 U	1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	8.8 U	9.8 U
Chromium-SPLP	mg/L	--	--	--	--	0.04	--	--	1.7	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	1	0.79	0.46 U	4.4	0.41 U	2.4	48.6 J	1.3	0.4 U	0.42 U	--	1.5	4 U	31.5	6
Chromium, total	mg/kg	43	--	25	16	72	13	41	230	13	14	21	--	28	21.5	652	243
Cobalt	mg/kg	7.7	--	5.4	5	4.2	2.9	5.3	4.4	3.7	3.9	6.9	7.3	--	--	4.4 U	4.9 U
Copper	mg/kg	--	21	12	9.3	14	6.7	13	11	5.5	8	10	--	11	13.7	137	66.5
CR6 SPLP	mg/L	--	--	--	--	0.024 J	--	--	1.6 J	--	--	--	--	--	--	--	--
Lead	mg/kg	--	25	23	5	15	20	59	20	4.4	7	3.8	--	4.9	--	14.3	13.1
Mercury	mg/kg	--	0.27	0.14	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	0.019 U	0.019 U
Molybdenum	mg/kg	--	2 U	2 U	2.1 U	2 U	1 U	4.5	1	1 U	1 U	1 U	--	1 U	--	2.5 U	4.9 U
Nickel	mg/kg	--	20	13	14	11	6.7	12	10	8.1	8.1	15	--	15	14.3	4.4 U	4.9 U
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U
Silver	mg/kg	--	2 U	2 U	2.1 U	2 U	1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U
Thallium	mg/kg	--	4 U	4 U	4.2 U	4 U	2 U	4.1	2 U	2 U	2 U	2.1 U	--	2.1 U	--	8.8 U	9.8 U
Vanadium	mg/kg	34	--	31	25	22	18	25	20	17	19	32	--	31	--	39.5	36.2
Zinc	mg/kg	85	--	68	31	120	29	130	1000	21	34	41	--	53	55	134	147
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	SAMPLE	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	DATE	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
SAMPLE TYPE		Field Duplicate											Field Duplicate				
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	265000	234000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8680	14000
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14300	13200
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1730	2120
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2790	1780
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	33 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	160 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	169	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	220 J	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--
2-Methyl naphthalene	ug/kg	--	240 J	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--
Acenaphthene	ug/kg	--	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--
Acenaphthylene	ug/kg	--	5.1 UJ	5.1 U	5.2 U	5 U	5 U	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.2 UJ	--	5.2 UJ	--	--	--
Anthracene	ug/kg	--	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--
B(a)P Equivalent	ug/kg	--	110	110	6.3	33	15	35	71	16	21	12	--	19	--	--	--
Benzo (a) anthracene	ug/kg	--	57	54	5.2 U	17	6.3	16	36	13	8.2	5.2 U	--	9	--	--	--
Benzo (a) pyrene	ug/kg	--	75	77	5.2 U	21	10	22	46	10	15	7.2	--	13	--	--	--
Benzo (b) fluoranthene	ug/kg	--	75	120	5.8	33	15	23	50	12	16	7.2	--	14	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	SAMPLE	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	DATE	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008
	SAMPLE TOP DEPTH (FT)	2	2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
	SAMPLE TYPE	Field Duplicate											Field Duplicate				
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	62	50	5.2 U	20	6.7	18	36	6.5	15	7.4	--	12	--	--	--
Benzo (k) fluoranthene	ug/kg	--	94	36	5.2 U	9.3	7.4	27	62	12	18	9	--	16	--	--	--
Chrysene	ug/kg	--	93	87	5.2 U	26	11	27	64	15	17	7.1	--	15	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	18	12	5.2 U	5.1	5 U	6.8	12	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--
Fluoranthene	ug/kg	--	130	130	6.2	44	14	38	97	27	21	7.2	--	19	--	--	--
Fluorene	ug/kg	--	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	53	43	5.2 U	18	6.4	16	35	6.1	13	6.5	--	10	--	--	--
Naphthalene	ug/kg	--	32	5.1 U	5.2 U	5 U	5 U	4.8 U	5.1 U	3.5 U	5.1 U	4.4 U	4.1 U	--	--	--	--
PAH High molecular weight	ug/kg	--	777	739	18.2	231	90.8	230	526	127	143	59.1	--	126	--	--	--
PAH Low molecular weight	ug/kg	--	531	26	0	11	0	14	30	7.5	6.8	0	--	5.5	--	--	--
Phenanthrene	ug/kg	--	39	26	5.2 U	11	5 U	14	30	7.5	6.8	5.2 U	--	5.5	--	--	--
Pyrene	ug/kg	--	120	130	6.2	38	14	36	88	25	20	7.5	--	18	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2-Chlorophenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2-Methylphenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2-Nitroaniline	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
2-Nitrophenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2,4-Dimethylphenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
2,6-Dinitrotoluene	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
3-Nitroaniline	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	670 U	1700 U	690 U	660 U	660 U	680 U	670 U	670 U	670 U	680 U	--	680 U	--	--	--
4-Chloroaniline	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
4-Methylphenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
4-Nitroaniline	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
4-Nitrophenol	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	4200 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	4200 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	1700 U	--	--	--
Benzyl alcohol	ug/kg	--	670 U	1700 U	690 U	660 U	660 U	680 U	670 U	670 U	670 U	680 U	--	680 U	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Butylbenzylphthalate	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Di-n-octyl phthalate	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Dibenzofuran	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Diethyl phthalate	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Dimethyl phthalate	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Hexachlorobenzene	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Hexachloroethane	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	SAMPLE	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	DATE	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008
	SAMPLE TOP DEPTH (FT)	2	2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
	SAMPLE TYPE	Field Duplicate											Field Duplicate				
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
N-nitrosodiphenylamine	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Pentachlorophenol	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
Phenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	101 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	--	--	--
TPH as gasoline	mg/kg	0.78 U	--	--	66 U	--	1 U	0.92 U	--	0.79 U	--	0.96 U	--	0.75 U	--	--	--
TPH as motor oil	mg/kg	59.4	--	101 U	10 U	31.1	10 U	48.8	42.7	15.5	20.3	10 U	--	10 U	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1-Dichloroethene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1-Dichloropropene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1,1-Trichloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2-Dibromoethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	4.3 U	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--
1,2-Dichloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2-Dichloropropane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	4.3 U	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	4.3 U	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--
1,3-Dichloropropane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	4.3 U	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
2-Hexanone	ug/kg	43 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
4-Isopropyltoluene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Acetone	ug/kg	43 U	--	--	--	--	--	48 U	--	35 U	--	44 U	--	46 UJ	--	--	--
Acrolein	ug/kg	86 U	--	--	110 U	--	100 U	97 U	--	70 U	--	88 U	83 U	--	--	--	--
Acrylonitrile	ug/kg	43 U	--	--	55 U	--	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--
Benzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Bromobenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Bromochloromethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Bromodichloromethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Bromoform	ug/kg	4.3 UJ	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 UJ	--	--	--	--
Bromomethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Carbon disulfide	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Carbon tetrachloride	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Chloro methane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Chlorobenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Chloroethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	SAMPLE	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2
	DATE	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008
	SAMPLE TOP DEPTH (FT)	2	2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0
	SAMPLE TYPE	Field Duplicate											Field Duplicate				
ANALYTE	UNITS																
Chloroform	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Cyclohexane	ug/kg	4.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Dibromomethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Ethyl- benzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Hexachlorobutadiene	ug/kg	4.3 U	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
Isopropylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Methyl acetate	ug/kg	4.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	43 U	--	--	55 U	--	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--
Methyl isobutyl ketone	ug/kg	43 U	--	--	55 U	--	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Methylcyclohexane	ug/kg	4.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
N-Butylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
N-Propylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Nitrobenzene	ug/kg	--	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--
p-Chlorotoluene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
sec-Butylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Styrene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
tert-Butylbenzene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Tetrachloroethene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Toluene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Trichloroethene	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Vinyl chloride	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Xylene, m,p-	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Xylene, o-	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--
Xylenes, total	ug/kg	4.3 U	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	DTSC-AOC10d-3	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-09	MW-09	MW-09
	SAMPLE	DTSC-AOC10d-3	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-9-10	MW-9-30	MW-9-50
	DATE	1/18/2008	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	7/1/1997	7/1/1997	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	4 U	--	--	--	--	--	--	--	--	3.7	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	305	276	311
pH	PHUNITS	8.48	8.81	8.14	7.5	8.7	8.8	8.7	8.8	8.6	8.8	8.9	9.4	8.8	9.5	8.79	8.65
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	13.3	--	--	--	--	--	--	--	--	7.3	--	--	--	14	30	13
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.4 U
Metals																	
Antimony	mg/kg	4.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	5.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	264	--	--	--	--	--	--	--	--	--	--	--	--	91	28.8	83.8
Beryllium	mg/kg	4.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	9.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	4.4	0.59	0.5 U	4.1 U	2.5	4.7 U	13	41	99	1.2 J	4.5 U	4 U	9.4	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	224	33.7	21.9	88.4	217	86.8	3360	1610	2740	379	28.4	77.7	228	42.2	16.3	11.7
Cobalt	mg/kg	4.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	46.5	2.2	8.2	34.8	69.6	42.7	211	139	288	79.7	22.7	17.2	40.5	6.8	12.4	14.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	12	--	--	--	--	--	--	--	--	--	--	--	--	2.7	3.9	3.2
Mercury	mg/kg	0.02 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	4.7 U	--	--	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	0.2 U
Nickel	mg/kg	4.7 U	0.28 J	6	17	10.8	22.8	18	19	25	10.1	18.1	11.9	15.1	9.7	15.3	11.3
Selenium	mg/kg	4.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	4.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	9.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	34.5	--	--	--	--	--	--	--	--	--	--	--	--	21.8	31	20.3
Zinc	mg/kg	197	31.3	32.7	99.7	123	122	278	203	299	252	74.3	61.9	129	29	29.4	23.3
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	DTSC-AOC10d-3	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-09	MW-09	MW-09
	SAMPLE	DTSC-AOC10d-3	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-9-10	MW-9-30	MW-9-50
	DATE	1/18/2008	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	7/1/1997	7/1/1997	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	22500	--	--	--	--	--	--	--	--	139000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	14200	--	--	--	--	--	--	--	--	540 J	--	--	--	11400	13100	9580
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	100 U	100 U	100 U
Magnesium	mg/kg	12800	--	--	--	--	--	--	--	--	12800	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	190	192	139
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	81	36.6	22.8
Potassium	mg/kg	2640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	1820	--	--	--	--	--	--	--	--	1280 J	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	DTSC-AOC10d-3	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-09	MW-09	MW-09
	SAMPLE	DTSC-AOC10d-3	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-9-10	MW-9-30	MW-9-50
	DATE	1/18/2008	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	7/1/1997	7/1/1997	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	DTSC-AOC10d-3	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-09	MW-09	MW-09
	SAMPLE	DTSC-AOC10d-3	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-9-10	MW-9-30	MW-9-50
	DATE	1/18/2008	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	7/1/1997	7/1/1997	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	DTSC-AOC10d-3	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-09	MW-09	MW-09
	SAMPLE	DTSC-AOC10d-3	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-9-10	MW-9-30	MW-9-50
	DATE	1/18/2008	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	7/1/1997	7/1/1997	7/1/1997
	SAMPLE TOP DEPTH (FT)	0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	2	0	2	2	2	1	0	1.5	0.5	10	30	50
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1	MW-10-3	MW-10-6
	DATE	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
SAMPLE BOTTOM DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5	3	6
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	297	--	--	--	--	--	--	--	--	311	271	324	291	--	--	--
pH	PHUNITS	8.66	8.96	10.1	9.58	9.64	8.57	8.29	8.74	--	8.75	--	9.28	9.07	9.03	8.84	8.73
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	11	--	--	--	--	--	--	--	--	9.2 J	35	8.5 J	25	--	--	--
Sulfide	mg/kg	0.4 U	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.4 U	0.4 U	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	94	--	--	--	--	--	--	--	--	95.3	87	110	115	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.05 U	0.21	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.05 U	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	--	15	7.6	11.8	9	9.7	28.8	8.9	11.9	26.7	--	11.7	9.9	14.2	13.4	19
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	--	7.2	3.5	6.4	7.1	7.5	17.4	10	11.4	9.6	--	8.8	6.3	14.1	8.3	8.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	8.4	--	--	--	--	--	--	--	--	2.8	3.6	2.2	2.3	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	0.2 U	--	--	--	--	--	--	--	--	0.62	0.2 U	0.2 U	0.2 U	--	--	--
Nickel	mg/kg	--	7.6	3.7	7.7	9.1	9	20.2	10.2	11.7	14.1	--	9.4	8.7	8.8	9	10.7
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	33	--	--	--	--	--	--	--	--	26.9	29.9	20.1	21.5	--	--	--
Zinc	mg/kg	126	19.7	12.6	21	21.7	22.5	34.4	19	--	30.4	--	24.2	26.6	20.9	26.6	23.3
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1	MW-10-3	MW-10-6
	DATE	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
SAMPLE BOTTOM DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5	3	6
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	16500	--	--	--	--	--	--	--	--	15300	15300	10400	11000	--	--	--
Iron (+2)	mg/kg	100 U	--	--	--	--	--	--	--	--	100 U	100 U	100 U	100 U	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	526	--	--	--	--	--	--	--	--	231	226	284	312	--	--	--
Manganese Extractable	mg/kg	224	--	--	--	--	--	--	--	--	78.4	19.4	224	151	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1	MW-10-3	MW-10-6
	DATE	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
SAMPLE BOTTOM DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5	3	6
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1	MW-10-3	MW-10-6
	DATE	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
SAMPLE BOTTOM DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5	3	6
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1	MW-10-3	MW-10-6
	DATE	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
SAMPLE BOTTOM DEPTH (FT)		87	1	3.5	6	20	40	60	70	87	10	35	70	82	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5	3	6
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3	MW-11-6	MW-11-20
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
SAMPLE BOTTOM DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	25	30	40	50	60	75	75	10	30	60	69	0.5	3	6	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	299	307	291	257	--	--	--	--
pH	PHUNITS	8.87	9.38	9.85	9.2	9.28	9.26	9.29	--	8.92	9.07	--	9.04	8.62	9.03	8.83	9.09
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	11	17	18	20	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.4 U	0.4 U	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	101	91.4	27.4	370	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	14.7	16.1	13.8	14.5	14.3	9.1	--	11.5	13.5	12.6	--	16.9	12.2	31.1	26.9	5.9
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	7.7	10.6	9.4	9.2	8.5	6	7	--	8.3	6.9	5.8	13.8	7.5	6.6	5.3	6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	6.3	1.8	3	5	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	0.32	0.8	0.088 J	0.2 U	--	--	--	--
Nickel	mg/kg	10.2	13.4	11.5	12.6	12.2	6.6	--	8.2	7.7	8.2	--	11.3	8.4	7.3	5.6	4.9
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	18.9	22	18.1	23.2	--	--	--	--
Zinc	mg/kg	27.1	34.1	31.5	29.4	31.2	16.3	--	24.9	38.5	28.4	26.2	35.7	24.8	29.5	23.2	19.9
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3	MW-11-6	MW-11-20
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
SAMPLE BOTTOM DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	25	30	40	50	60	75	75	10	30	60	69	0.5	3	6	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	11300	12900	10100	14900	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	100 U	100 U	100 U	100 U	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	201	201	138	276	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	70.2	60	15.6	31.4	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3	MW-11-6	MW-11-20
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
SAMPLE BOTTOM DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	25	30	40	50	60	75	75	10	30	60	69	0.5	3	6	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3	MW-11-6	MW-11-20
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
SAMPLE BOTTOM DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	25	30	40	50	60	75	75	10	30	60	69	0.5	3	6	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3	MW-11-6	MW-11-20
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
SAMPLE BOTTOM DEPTH (FT)		20	25	30	40	50	60	75	75	10	30	60	69	1	3	6	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	25	30	40	50	60	75	75	10	30	60	69	0.5	3	6	20
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S	MW-58BR.S
	SAMPLE	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03
	DATE	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		40	50	60	20	25	10	30	40	40	3	8	18	8	1.5	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
SAMPLE TYPE				Field Duplicate					Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	208	224	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.03	9.69	9.46	8.44	--	8.66	8.45	8.72	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	71	93	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	0.4 U	0.4 U	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	4.1 U	--	2.1 UJ	2.1 U	2.1 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	9.2	--	9.9	8.4	2.1 U	12	13
Barium	mg/kg	--	--	--	94.2	124	--	--	--	--	270	85	240	--	410	240	110
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	2 U	1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2.1 U	--	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	--	0.05 U	--	0.05 U	0.05 U	--	0.05 U	0.16 U	--	0.16 U	0.16 U	150	0.43	0.17 U
Chromium, total	mg/kg	9.8	13.6	10	10.5	--	10.8	12.2	--	10.7	26	--	25	22	4000	33	26
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	7.8	--	10	8	8.2	12	11
Copper	mg/kg	9.8	6.9	--	7.1	--	9.3	8.6	--	8.1	11	11	12	--	300	24	14
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	2.4	2.8	--	--	--	--	6.7	--	4.3	2.9	160	4	3.6
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	--	0.33	0.11 U	0.11 U
Molybdenum	mg/kg	--	--	--	0.14 J	0.2 U	--	--	--	--	2 U	1.3	3	--	3.5	2.1 U	2.1 U
Nickel	mg/kg	8.6	10.1	8.6	8.9	--	8.1	8.2	--	9.4	17	16	16	--	24	25	19
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2.1 U	--	1.1 U	1.1 U	1.1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	2 U	1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	4.1 U	2.1 U	4.1 U	--	6.1	4.7	4.8
Vanadium	mg/kg	--	--	--	21.1	26.4	--	--	--	--	34	28	31	--	23	38	33
Zinc	mg/kg	28.4	29.8	--	28.3	--	27.2	33.3	--	30.4	52	--	68	48	300	63	64
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S	MW-58BR.S
	SAMPLE	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03
	DATE	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		40	50	60	20	25	10	30	40	40	3	8	18	8	1.5	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
SAMPLE TYPE				Field Duplicate					Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	12200	15400	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	100 U	100 U	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	218	270	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	103	86.4	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	5.9 U	6 U	6 U	--	--	6.1 U	6.1 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S	MW-58BR.S
	SAMPLE	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03
	DATE	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		40	50	60	20	25	10	30	40	40	3	8	18	8	1.5	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
SAMPLE TYPE				Field Duplicate					Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.3 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	--	--	0	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	--	--	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	680 U	680 U	680 U	--	--	700 U	700 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	680 U	680 U	680 U	--	--	700 U	700 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S	MW-58BR.S
	SAMPLE	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03
	DATE	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		40	50	60	20	25	10	30	40	40	3	8	18	8	1.5	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
SAMPLE TYPE				Field Duplicate					Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--	--	11 U	11 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	0.96 U	0.89 U	0.83 U	--	--	1.4 U	0.84 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--	--	11 U	11 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U	59 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	86 U	--	84 U	90 U	--	91 U	120 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U	59 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S	MW-58BR.S
	SAMPLE	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03
	DATE	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		40	50	60	20	25	10	30	40	40	3	8	18	8	1.5	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	20	25	10	30	40	40	4	9	19	9	2	20	30
SAMPLE TYPE				Field Duplicate					Field Duplicate					Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U	59 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U	59 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U	350 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U	5.9 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03	PA-04	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08
	SAMPLE	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1	PA-04-1	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10
	DATE	1/29/2009	1/29/2009	1/29/2009	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		39	49	59	7	4	3.5	0	0	0	0	0	0	2	0	5	9
SAMPLE BOTTOM DEPTH (FT)		40	50	60	8	5	3.5	1	1	1	1	1	1	3	1	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	8	5	3.5	0.5	0.5	0.5	0.5	0.5	0.5	3	0.5	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	6 J	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	7000	8300	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	1.2 U	1.9 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	21	50	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	64	110	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	170	170	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	200	380	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	280 U	450 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	8.8 J	18	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.42 U	2.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	40	97	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	2 U	5.6 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	4000 U	63	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	0.17 U	0.23 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	0.46 J	1.6	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	53000	1.00E+05	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	8400	11000	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	250	100	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	350	230	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	350	230	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	34	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	8.2	--	9.01	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	8.8	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	53	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.2 U	2.2 UJ	2.1 U	--	2 UJ	2 U	2 U	2 U	2 U	2 U	2.1 UJ	2.2 U	2 U	2 U
Arsenic	mg/kg	12	8.3	8.4	4.8	19	--	3.4	3.8	3.9	3.6	2.4	4.9	4.4	4.8	2.4	1.5
Barium	mg/kg	150	180	37	130	130	--	85 J	140	170	130	69	160	330	290	110	140
Beryllium	mg/kg	2.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.43	0.17 U	0.18 U	80	73	0.76 U	0.65	0.65	0.69	0.42	0.89	1.9	0.26	0.82	0.2 U	0.2 U
Chromium, total	mg/kg	35	24	27	4200	4400	33.2	20	26	36	27	30	66	--	26	7.1	5.8
Cobalt	mg/kg	12	8.7	13	7	7.2	--	3.7	7.1	7.1	6.9	8.1	4.9	8.6 J	10	5.9	5.4
Copper	mg/kg	17	17	58	14	23	6	8.5	15	14	16	15	19	13 J	62	6.2	4.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.2	3.7	3.4	12 J	10	--	9.3	13	25	7.4	5.2	17	--	19	1.7	1.2
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	2.1 U	1.1 U	1.1 U	18	6.7	--	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	22	16	22	11	12	5.6	6.9	15	20	19	20	13	9.1	20	7.1	5.2
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	2.1	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U
Silver	mg/kg	2.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	4.7	2.1 U	2.2 U	2.2 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.2 U	2 U	2 U
Vanadium	mg/kg	34	28	28	37 J	61	--	18	25	33	33	23	22	35 J	33	21	21
Zinc	mg/kg	51	46	41	190	150	6.4	80	200	56	83	74	170	44	94	21	23
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03	PA-04	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08
	SAMPLE	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1	PA-04-1	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10
	DATE	1/29/2009	1/29/2009	1/29/2009	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		39	49	59	7	4	3.5	0	0	0	0	0	0	2	0	5	9
SAMPLE BOTTOM DEPTH (FT)		40	50	60	8	5	3.5	1	1	1	1	1	1	3	1	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	8	5	3.5	0.5	0.5	0.5	0.5	0.5	0.5	3	0.5	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	9000	--	--	--
Calcium	mg/kg	--	--	--	--	--	255000 J	--	--	--	--	--	--	21000	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.21 U	--	--	--
Iron	mg/kg	--	--	--	--	--	6790 J	--	--	--	--	--	--	19000	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	14700 J	--	--	--	--	--	--	6800	--	--	--
Manganese	mg/kg	--	--	--	--	--	112 J	--	--	--	--	--	--	260	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	1520 J	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	1540 J	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	18 U	--	--	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	37 U	--	--	33 U	34 U	34 U	34 U	34 U	34 U	34 U	36 U	33 U	33 U
Aroclor 1232	ug/kg	--	--	--	18 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	18 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	18 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	18 U	--	--	260	89	17	20	17 U	100	17 U	38	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	18 U	--	--	17 U	89	17 UJ	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--
Total PCBs	ug/kg	--	--	--	18 U	--	--	286	195	42.5	45.5	34 U	126	34 U	65	34 U	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
Acenaphthene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
Acenaphthylene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
Anthracene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
B(a)P Equivalent	ug/kg	6.1 U	6.1 U	6.4 U	6.5 U	--	--	38	150	6.1	13	6.5	470	6 U	150	56 U	5.8 U
Benzo (a) anthracene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	16	47 J	5.1 U	5.1 U	5.1 U	230	5.2 U	59 J	5 U	5 U
Benzo (a) pyrene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	26	95	5.1 U	8.1	5.1 U	300	5.2 U	94	50 U	5 U
Benzo (b) fluoranthene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	64 J	230	5.1	16	8.5	640	5.2 U	230	50 U	5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03	PA-04	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08
	SAMPLE	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1	PA-04-1	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10
	DATE	1/29/2009	1/29/2009	1/29/2009	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		39	49	59	7	4	3.5	0	0	0	0	0	0	2	0	5	9
SAMPLE BOTTOM DEPTH (FT)		40	50	60	8	5	3.5	1	1	1	1	1	1	3	1	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	8	5	3.5	0.5	0.5	0.5	0.5	0.5	0.5	3	0.5	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	9.5	51	5.1 U	7.4	5.1	170	5.2 U	54 U	50 U	5 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	18 J	75	5.1 U	5.1 U	5.1 U	250	5.2 U	87	50 U	5 U
Chrysene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	31	120 J	5.1 U	11	5.1	410	5.2 U	120 J	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	51 U	5.1 U	5.1 U	5.1 U	68	5.2 U	54 U	50 U	5 U
Fluoranthene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	35	110 J	5.1 U	15	5.1 U	540	5.2 U	140 J	5 U	5 U
Fluorene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	10	51 U	5.1 U	6.1	5.1 U	170	5.2 U	54 U	50 U	5 U
Naphthalene	ug/kg	4.2 U	4.3 U	4.8 U	5.6 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U
PAH High molecular weight	ug/kg	0	0	0	0	--	--	244	828	5.1	77.6	18.7	3310	0	840	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	--	--	11	34	0	0	0	180	0	57	0	0
Phenanthrene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	11	34 J	5.1 U	5.1 U	5.1 U	180	5.2 U	57 J	5 U	5 U
Pyrene	ug/kg	5.3 U	5.3 U	5.5 U	5.6 U	--	--	34	100 J	5.1 U	14	5.1 U	530	5.2 U	110 J	5 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	720 U	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	720 U	--	--	--
2-Chloro naphthalene	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2-Chlorophenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2-Methylphenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
2-Nitrophenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	720 UJ	--	--	--
2,4-Dichlorophenol	ug/kg	350 U	350 U	360 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	350 U	350 U	360 U	730 U	--	--	670 U	670 U	680 U	670 U	670 U	6700 U	680 U	7200 U	660 U	670 U
4-Bromophenyl phenyl ether	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	700 U	700 U	720 U	730 U	--	--	670 U	670 U	680 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U
4-Chloroaniline	ug/kg	350 U	350 U	360 U	730 U	--	--	670 U	670 U	680 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
4-Methylphenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1800 U	1800 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	720 UJ	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	720 U	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	720 UJ	--	--	--
Benzoic acid	ug/kg	1800 U	1800 U	1800 U	1800 U	--	--	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U	1800 UJ	1700 U	1700 U
Benzyl alcohol	ug/kg	700 U	700 U	720 U	730 U	--	--	670 U	670 U	680 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	2000	340 U	340 U	340 U	3300 U	340 U	3600 U	330 U	330 U
Butylbenzylphthalate	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	3300 U	340 U	3600 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	--	--	--
Di-n-butyl phthalate	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	350 U	350 U	360 U	370 U	--	--	3400 U	3300 U	340 U	340 U	340 U	3300 U	340 U	360 UJ	330 U	330 U
Dibenzofuran	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Diethyl phthalate	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Dimethyl phthalate	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Hexachlorobenzene	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Hexachloroethane	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03	PA-04	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08
	SAMPLE	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1	PA-04-1	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10
	DATE	1/29/2009	1/29/2009	1/29/2009	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		39	49	59	7	4	3.5	0	0	0	0	0	0	2	0	5	9
SAMPLE BOTTOM DEPTH (FT)		40	50	60	8	5	3.5	1	1	1	1	1	1	3	1	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	8	5	3.5	0.5	0.5	0.5	0.5	0.5	0.5	3	0.5	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1800 U	1800 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
Phenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	11 U	11 U	11 U	11 U	--	--	10 U	10 U	10 U	10 U	10 U	63	10 U	17	10 U	10 U
TPH as gasoline	mg/kg	0.73 U	0.96 UJ	1.1 U	2.1 U	--	--	--	--	--	--	--	--	1.3 U	--	1.1 U	1.3 U
TPH as motor oil	mg/kg	11 U	11 U	11 U	20	--	--	13	41	16	10 U	21	360 J	10 U	35	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1-Dichloroethene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1-Dichloropropene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1,1-Trichloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1,1,2-Tetrachloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1,2-Trichloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,1,2,2-Tetrachloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2-Dibromo-3-chloropropane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2-Dibromoethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2-Dichlorobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U
1,2-Dichloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2-Dichloropropane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2,3-Trichlorobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2,3-Trichloropropane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,2,4-Trichlorobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U
1,2,4-Trimethylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,3-Dichlorobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U
1,3-Dichloropropane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,3,5-Trimethylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
1,4-Dichlorobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	--	--	--
2-Chlorotoluene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1800 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
4-Isopropyltoluene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Acetone	ug/kg	42 U	43 U	48 U	100 U	--	--	--	--	--	--	--	--	--	--	87 U	57 U
Acrolein	ug/kg	84 U	86 U	96 U	200 U	--	--	--	--	--	--	--	--	--	--	170 U	110 U
Acrylonitrile	ug/kg	42 U	43 U	48 U	100 U	--	--	--	--	--	--	--	--	--	--	87 UJ	57 UJ
Benzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
bis (2-chloroethyl) ether	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Bromobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Bromochloromethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Bromodichloromethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Bromoform	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Bromomethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Carbon disulfide	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Carbon tetrachloride	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Chloro methane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Chlorobenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Chloroethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03	PA-04	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08
	SAMPLE	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1	PA-04-1	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10
	DATE	1/29/2009	1/29/2009	1/29/2009	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		39	49	59	7	4	3.5	0	0	0	0	0	0	2	0	5	9
SAMPLE BOTTOM DEPTH (FT)		40	50	60	8	5	3.5	1	1	1	1	1	1	3	1	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	8	5	3.5	0.5	0.5	0.5	0.5	0.5	0.5	3	0.5	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	11	--	8.7 U	5.7 U
cis-1,2-Dichloroethene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
cis-1,3-Dichloropropene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Dibromomethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Dichlorodifluoromethane	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Ethyl- benzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Hexachlorobutadiene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	670 U	670 U	680 U	670 U	670 U	670 U	--	720 U	8.7 U	5.7 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	680 U	--	--	--
Isophorone	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
Isopropylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	42 U	43 U	48 U	100 U	--	--	--	--	--	--	--	--	--	--	87 U	57 U
Methyl isobutyl ketone	ug/kg	42 U	43 U	48 U	100 U	--	--	--	--	--	--	--	--	--	--	87 U	57 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
N-Butylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
N-Propylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Nitrobenzene	ug/kg	350 U	350 U	360 U	370 U	--	--	340 U	330 U	340 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U
p-Chlorotoluene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
sec-Butylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Styrene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
tert-Butylbenzene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Tetrachloroethene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Toluene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
trans-1,2-Dichloroethene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
trans-1,3-Dichloropropene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Trichloroethene	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Vinyl chloride	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Xylene, m,p-	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Xylene, o-	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U
Xylenes, total	ug/kg	4.2 U	4.3 U	4.8 U	10 U	--	--	--	--	--	--	--	--	--	--	8.7 U	5.7 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-08	PA-09	PA-10	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-14	PA-15	PA-16	PA-17	PA-18	PA-18
	SAMPLE	PA-08-FD	PA-09-01	PA-10-01	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-14-01	PA-15-01	PA-16-01	PA-17-01	PA-18-01	PA-18-02
	DATE	1/12/2016	1/27/2016	1/27/2016	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	2	0	2	0	0	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	3	1	3	1	1	1	1	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	3	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5	3
	SAMPLE TYPE	Field Duplicate						Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	4600 J	--	3300 J	--	--	20000 J	--	--	--	2600 J	880 J	330 J	11000 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	320 J	--	340 J	--	--	1500 J	--	--	--	320 J	74 J	11 J	760 J	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	47 J	--	40 J	--	--	45 J	--	--	--	21 J	7.2 J	1.2 UJ	86 J	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	27 J	--	23 J	--	--	160 J	--	--	--	19 J	6 J	0.51 UJ	41 J	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	20 J	--	23 J	--	--	95 J	--	--	--	15 J	5.1 J	0.79 UJ	43 J	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	130 J	--	120 J	--	--	410 J	--	--	--	85 J	24 J	6.5 J	280 J	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	22 J	--	29 J	--	--	59 J	--	--	--	25 J	7.1 J	0.84 UJ	53 J	--
1,2,3,7,8-PeCDD	ng/kg	--	--	28 J	--	25 J	--	--	22 J	--	--	--	10 J	0.95 UJ	0.86 UJ	43 J	--
1,2,3,7,8-PeCDF	ng/kg	--	--	9.1 J	--	6.1 J	--	--	24 J	--	--	--	4 J	2.1 J	0.98 UJ	10 J	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	66 J	--	60 J	--	--	94 J	--	--	--	43 J	12 J	3.1 J	140 J	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	4.8 J	--	4.4 J	--	--	60 J	--	--	--	4.5 J	1.6 J	0.59 UJ	8.6 J	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	260 UJ	--	340 UJ	--	--	1900 UJ	--	--	--	340 UJ	110 UJ	19 UJ	470 UJ	--
2,3,4,7,8-PeCDF	ng/kg	--	--	10 J	--	9.7 J	--	--	42 J	--	--	--	6.7 J	2.3 J	0.25 UJ	16 J	--
2,3,7,8-TCDD	ng/kg	--	--	2.3 UJ	--	2.4 UJ	--	--	3.3 UJ	--	--	--	0.93 UJ	0.63 UJ	0.091 UJ	3.5 UJ	--
2,3,7,8-TCDF	ng/kg	--	--	3.9 J	--	5.3 J	--	--	9.5 J	--	--	--	4.2 J	1.2 UJ	0.77 UJ	8.1 J	--
OCDD	ng/kg	--	--	41000 J	--	25000 J	--	--	290000 J	--	--	--	22000 J	7300 J	2300 J	87000 J	--
OCDF	ng/kg	--	--	530 J	--	460 J	--	--	6000 J	--	--	--	370 J	140 J	24 J	1700 J	--
TEQ Avian	ng/kg	--	--	85	--	83	--	--	280	--	--	--	58	15	3.2	150	--
TEQ Human	ng/kg	--	--	140	--	120	--	--	520	--	--	--	86	25	6.7	280	--
TEQ Mammals	ng/kg	--	--	140	--	120	--	--	520	--	--	--	86	25	6.7	280	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2.1 U	--	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Arsenic	mg/kg	--	4.2	7	--	4.3	4.9	--	6	5.6	4.8	4.5	4.7	4.1	4	5.2	--
Barium	mg/kg	--	95	150	--	140	180	--	190	150	200	180	120	150	130	130	--
Beryllium	mg/kg	--	1 U	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	--	1 U	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.2 U	0.95	--	0.35	--	--	0.56	--	0.26	0.21 U	1.1	1.3	0.21 U	0.28	--
Chromium, total	mg/kg	14	21	40	--	63	10	--	50	13	15	20	170	47	25	65	--
Cobalt	mg/kg	--	6.7	4.3	--	5.6	4	--	5.3	4.7	6.3	5.5	6.6	6.4	7.8	7.3	--
Copper	mg/kg	--	13	24	--	23	7.1	--	31	9.7	12	22	26	26	13	64	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	9.3 J	150	56	--	28	4.7	--	12	5.7	5.8	10	20	8.5	4.4	47	--
Mercury	mg/kg	--	0.18	0.1 U	--	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	1 U	1 U	--	3.3	1 U	--	3.1	1 U	1 U	1 U	1 U	1.2	1 U	1.4	--
Nickel	mg/kg	--	13	8	--	16	7.4	--	13	8.3	11	8.7	14	35	21	22	--
Selenium	mg/kg	--	1 U	1 U	--	1 U	1 UJ	--	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	--	1 U	1 U	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	--	2 U	2.1 U	--	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Vanadium	mg/kg	--	32	20	--	20	19	--	25	18	27	23	25	25	32	33	--
Zinc	mg/kg	--	130	190	--	300	29	--	130	37 J	45	270	120	64	47	190	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-08	PA-09	PA-10	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-14	PA-15	PA-16	PA-17	PA-18	PA-18
	SAMPLE	PA-08-FD	PA-09-01	PA-10-01	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-14-01	PA-15-01	PA-16-01	PA-17-01	PA-18-01	PA-18-02
	DATE	1/12/2016	1/27/2016	1/27/2016	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	2	0	2	0	0	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	3	1	3	1	1	1	1	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	3	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5	3
	SAMPLE TYPE	Field Duplicate						Field Duplicate									
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	6300	--	--	6800	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	36000	--	--	27000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	0.22 UJ	--	--	0.21 UJ	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	8800	--	--	11000 J	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	5600	--	--	5900	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	180	--	--	200	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	3700 J	--	--	--	--	1600	--	--	1700 J	--	--	--	--	--	--	--
Sodium	mg/kg	300 J	--	--	--	--	590	--	--	820	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	5.3 U	--	--	5.2 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	53 U	--	--	52 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	33 U	34 U	34 U	34 U	--	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	17 UJ	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	51	590	17 U	530	--	19	470 J	27	22	120	70	300	17 U	450	30
Aroclor 1260	ug/kg	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	76.5	616	34 U	556	--	44.5	496	52.5	47.5	146	95.5	326	34 U	476	55.5
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	6.2 J	5.1 U
2-Methyl naphthalene	ug/kg	--	5 U	7.5 J	5.1 U	10 J	5.2 U	--	10 J	5.2	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	13 J	5.1 U
Acenaphthene	ug/kg	--	5 U	11 J	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	8.3 J	5.1 U
Acenaphthylene	ug/kg	--	5 U	9.2 J	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	6.2 J	5.1 U
Anthracene	ug/kg	--	5 U	38 J	5.1 U	19 J	5.2 U	--	5.2 U	5.2 U	5.2 U	5.2 U	9.7 J	5.2 U	5.2 U	27 J	5.1 U
B(a)P Equivalent	ug/kg	--	64	2300	5.9 U	1000	--	11	200	25	67	70	490	58	58 U	1700	--
Benzo (a) anthracene	ug/kg	--	12	1600 J	5.1 U	350 J	5.2 U	--	130 J	15	52 U	52 U	210 J	5.2 U	5.2 U	1000 J	--
Benzo (a) pyrene	ug/kg	--	50 U	1600	5.1 U	550	--	6.6	130	16	52 U	52 U	350	52 U	52 U	1100	--
Benzo (b) fluoranthene	ug/kg	--	100	2600	5.1 U	1500	8.7	--	250	34	90	130	720	52 U	52 U	1900	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-08	PA-09	PA-10	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-14	PA-15	PA-16	PA-17	PA-18	PA-18
	SAMPLE	PA-08-FD	PA-09-01	PA-10-01	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-14-01	PA-15-01	PA-16-01	PA-17-01	PA-18-01	PA-18-02
	DATE	1/12/2016	1/27/2016	1/27/2016	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	2	0	2	0	0	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	3	1	3	1	1	1	1	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	3	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5	3
	SAMPLE TYPE	Field Duplicate						Field Duplicate									
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	50 U	750	5.1 U	520 U	--	5.6	69	10	52 U	52 U	180	52 U	52 U	590	25
Benzo (k) fluoranthene	ug/kg	--	50 U	930	5.1 UJ	520 U	5.2 UJ	--	86	5.6 J	52 U	52 U	240	52 U	52 U	800	37 J
Chrysene	ug/kg	--	20	2600 J	5.1 U	600	--	7	170	18	52	52 U	350	7.6	5.2 U	1000	--
Dibenzo (a,h) anthracene	ug/kg	--	50 U	210	5.1 U	520 U	5.2 U	--	52 U	5.2 U	52 U	52 U	52 U	52 U	52 U	520 U	5.1 U
Fluoranthene	ug/kg	--	23	3700 J	5.1 U	770	8.7	--	170 J	37	56 J	37 J	230 J	14	5.2 U	1700	--
Fluorene	ug/kg	--	5 U	8.9 J	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	6.6 J	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	50 U	790	5.1 U	520 U	5.2 U	--	66	9.7	52 U	52 U	180	52 U	52 U	560	--
Naphthalene	ug/kg	--	5 U	8.6 J	5.1 U	10 J	5.2 U	--	5.2 U	5.2 U	5.2 U	5.2 U	5.5 J	5.2 U	5.2 U	12 J	5.1 U
PAH High molecular weight	ug/kg	--	175	18200	0	4490	--	51	1220	177	241	195	2650	33.6	0	10300	--
PAH Low molecular weight	ug/kg	--	10	1380	0	289	0	--	150	28.2	23	12	165	9.6	0	859	--
Phenanthrene	ug/kg	--	10	1300 J	5.1 U	250 J	5.2 U	--	140 J	23	23 J	12 J	150 J	9.6	5.2 U	780 J	--
Pyrene	ug/kg	--	20	3400 J	5.1 U	720	--	9.8	150 J	32	43 J	28 J	190 J	12	5.2 U	1600	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2-Chlorophenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2-Methylphenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2-Nitroaniline	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
2-Nitrophenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
2,4-Dimethylphenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
2,4-Dinitrotoluene	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2,6-Dinitrotoluene	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
3-Nitroaniline	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
3,3-Dichlorobenzidene	ug/kg	--	660 U	680 UJ	--	6800 U	690 U	--	6900 U	690 U	6800 U	6800 U	6900 U	680 U	690 U	6900 U	--
4-Bromophenyl phenyl ether	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
4-Chloro-3-methylphenol	ug/kg	--	660 U	680 UJ	--	680 U	690 U	--	690 U	690 U	680 U	680 U	680 U	680 U	690 U	690 UJ	--
4-Chloroaniline	ug/kg	--	660 U	680 UJ	--	680 U	690 U	--	690 U	690 U	680 U	680 U	680 U	680 U	690 U	690 UJ	--
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
4-Methylphenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
4-Nitroaniline	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
4-Nitrophenol	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
Acetophenone	ug/kg	--	--	--	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	740 U	--	--	730 UJ	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
Benzyl alcohol	ug/kg	--	660 U	680 UJ	--	680 U	690 U	--	690 U	690 U	680 U	680 U	680 U	680 U	690 U	690 UJ	--
bis (2-chloroethoxy) methane	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	340 UJ	--	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	3400 U	340 U	340 U	3400 U	--
Butylbenzylphthalate	ug/kg	--	330 U	340 UJ	--	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	3400 U	340 U	340 U	3400 U	--
Caprolactam	ug/kg	--	--	--	--	--	350 U	--	--	350 UJ	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	350 U	--	--	350 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Di-n-octyl phthalate	ug/kg	--	3300 U	34000 U	--	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	3400 U	340 U	340 U	34000 U	--
Dibenzofuran	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Diethyl phthalate	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Dimethyl phthalate	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Hexachlorobenzene	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Hexachloroethane	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-08	PA-09	PA-10	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-14	PA-15	PA-16	PA-17	PA-18	PA-18
	SAMPLE	PA-08-FD	PA-09-01	PA-10-01	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-14-01	PA-15-01	PA-16-01	PA-17-01	PA-18-01	PA-18-02
	DATE	1/12/2016	1/27/2016	1/27/2016	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	2	0	2	0	0	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	3	1	3	1	1	1	1	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	3	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5	3
	SAMPLE TYPE	Field Duplicate						Field Duplicate									
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
N-nitrosodiphenylamine	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Pentachlorophenol	ug/kg	--	1700 U	1700 UJ	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--
Phenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	12	53	--	28	--	--	15	--	10 U	10 U	12	10 U	10 U	47	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	220	300	--	240	--	--	120	--	34	50	110	43	31	370	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	6.5 U	330 U	340 UJ	--	340 U	6 U	--	340 U	6.1 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
1,2-Dichloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	6.5 U	330 U	340 UJ	--	340 U	6 U	--	340 U	6.1 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
1,2,4-Trimethylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	6.5 U	330 U	340 UJ	--	340 U	6 U	--	340 U	6.1 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
1,3-Dichloropropane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	6.5 U	330 U	340 UJ	--	340 U	6 U	--	340 U	6.1 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
1,4-Dioxane	ug/kg	--	--	--	--	--	350 U	--	--	350 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	65 U	--	--	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
2,4,6-Trichlorophenol	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
4-Isopropyltoluene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Acetone	ug/kg	65 U	--	--	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--
Acrolein	ug/kg	130 U	--	--	--	--	190 U	--	--	120 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	65 UJ	--	--	--	--	93 U	--	--	58 U	--	--	--	--	--	--	--
Benzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Bromobenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Bromoform	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-08	PA-09	PA-10	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-14	PA-15	PA-16	PA-17	PA-18	PA-18
	SAMPLE	PA-08-FD	PA-09-01	PA-10-01	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-14-01	PA-15-01	PA-16-01	PA-17-01	PA-18-01	PA-18-02
	DATE	1/12/2016	1/27/2016	1/27/2016	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	2	0	2	0	0	0	0	0	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	3	1	3	1	1	1	1	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	3	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5	3
	SAMPLE TYPE	Field Duplicate						Field Duplicate									
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Dibromomethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	6.5 U	660 U	680 UJ	--	680 U	6 U	--	690 U	6.1 U	680 U	680 U	680 U	680 U	690 U	690 UJ	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	690 UJ	--	--	690 UJ	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
Isopropylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	65 U	--	--	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	65 U	--	--	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	330 U	340 UJ	--	340 U	350 U	--	340 U	350 U	340 U	340 U	340 U	340 U	340 U	340 UJ	--
p-Chlorotoluene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Styrene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Toluene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	6.5 U	--	--	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1
	SAMPLE	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1
	DATE	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	0	0	2.5	5.5	9	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		3	1	3	1	3	1	3	1	0.5	3	6	9.5	0	2	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	0.5	0.5	3	6	9.5	0	2	0	0
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	6700 J	--	55000 J	--	25000 J	--	680 J	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	570 J	--	4700 J	--	1300 J	--	67 J	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	69 J	--	140 J	--	79 J	--	6.3 UJ	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	38 UJ	--	550 J	--	150 J	--	19 J	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	35 UJ	--	240 J	--	65 J	--	5.7 J	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	190 J	--	1900 J	--	550 J	--	19 J	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	26 UJ	--	130 J	--	46 UJ	--	8.5 J	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	48 J	--	44 J	--	30 J	--	1.9 UJ	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	16 J	--	120 J	--	42 J	--	28 J	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	110 J	--	260 J	--	120 J	--	9.5 UJ	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	4.2 UJ	--	170 J	--	45 J	--	2.4 UJ	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	450 UJ	--	7400 UJ	--	1800 UJ	--	59 UJ	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	14 J	--	270 J	--	66 J	--	11 UJ	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	6.1 UJ	--	10 UJ	--	3.7 J	--	1.2 UJ	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	19 J	--	77 J	--	23 J	--	36 J	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	71000 J	--	440000 J	--	250000 J	--	6700 J	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	2000 J	--	13000 J	--	3100 J	--	96 J	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	150	--	1100	--	320	--	55	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	220	--	1600	--	580	--	26	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	220	--	1600	--	580	--	26	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	7.8	7.9	8.2	8.7	--	--	--	8.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.3 U	--	2.1 U	--	2 U	--	2.1 U	--	--	--	2 U	--	--	--	--
Arsenic	mg/kg	--	5.8	--	5.2	--	5.5	--	11	--	--	--	2.4	--	--	--	--
Barium	mg/kg	--	150	--	96	--	96	--	64	--	--	--	22	--	--	--	--
Beryllium	mg/kg	--	1.1 U	--	1 U	--	1 U	--	1.1 U	--	--	--	1 U	--	--	--	--
Cadmium	mg/kg	--	1.1 U	--	1 U	--	1 U	--	1.1 U	--	--	--	1 U	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.46 U	--	0.82 J	--	0.2 U	--	0.52	--	--	--	0.4 UJ	0.9	0.51 U	0.5 U	0.5 U
Chromium, total	mg/kg	--	34	--	33	--	49	--	8.9	--	--	--	2.9	16.5	90	24.7	23.4
Cobalt	mg/kg	--	5.8	--	5.5	--	5.8	--	3.3	--	--	--	1.7	--	--	--	--
Copper	mg/kg	--	160	--	11	--	26	--	6.7	--	--	--	2 U	14.2	12.6	11.4	15.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	30	--	23	--	32	--	5.1	--	--	--	2.3	--	--	--	--
Mercury	mg/kg	--	0.12 U	--	0.1 U	--	0.1 U	--	0.11 U	--	--	--	0.1 UJ	--	--	--	--
Molybdenum	mg/kg	--	9.8	--	1 U	--	1.2	--	1.1 U	--	--	--	1 U	--	--	--	--
Nickel	mg/kg	--	15	--	11	--	12	--	6.3	--	--	--	4.2	10.5	10.8	10.5	15.8
Selenium	mg/kg	--	1.1 U	--	1 U	--	1 U	--	1.1 U	--	--	--	1 U	--	--	--	--
Silver	mg/kg	--	1.1 U	--	1 U	--	1 U	--	1.1 U	--	--	--	1 U	--	--	--	--
Thallium	mg/kg	--	2.3 U	--	2.1 U	--	2 U	--	2.1 U	--	--	--	2 U	--	--	--	--
Vanadium	mg/kg	--	28	--	27	--	28	--	18	--	--	--	9.2	--	--	--	--
Zinc	mg/kg	--	550	--	84	--	150	--	49	--	--	--	6.9	43.9	59.1	85.3	44
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1
	SAMPLE	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1
	DATE	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	0	0	2.5	5.5	9	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		3	1	3	1	3	1	3	1	0.5	3	6	9.5	0	2	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	0.5	0.5	3	6	9.5	0	2	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	19 UJ	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	16 U	--	--	--	--
Aroclor 1221	ug/kg	--	38 UJ	34 U	34 U	35 U	34 U	35 U	35 U	33 U	33 U	33 U	33 U	--	--	--	--
Aroclor 1232	ug/kg	--	19 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	--	--	--	--
Aroclor 1242	ug/kg	--	19 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	--	--	--	--
Aroclor 1248	ug/kg	--	19 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	--	--	--	--
Aroclor 1254	ug/kg	--	28 J	17 U	83	17 U	82	17 U	76	17 U	17 U	17 U	16 U	--	--	--	--
Aroclor 1260	ug/kg	--	19 UJ	17 U	60	17 U	55 J	17 U	95	17 U	17 U	17 U	16 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	56.5	34 U	160	34 U	154	34 U	188	34 U	34 U	34 U	32 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	57 U	5.2 U	5.1 U	5.3 UJ	5.1 U	5.2 U	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--
2-Methyl naphthalene	ug/kg	--	57 U	5.2 U	5.1 U	5.3 UJ	5.1 U	5.2 U	5.3 U	50 U	50 U	50 U	5	--	--	--	--
Acenaphthene	ug/kg	--	57 U	5.2 U	5.1 U	5.3 U	8.5 J	5.2 U	5.3 U	5 U	5 U	5 U	50 U	--	--	--	--
Acenaphthylene	ug/kg	--	57 U	5.2 U	26	5.3 U	25 J	5.2 U	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--
Anthracene	ug/kg	--	95	5.2 U	29	5.3 U	68	5.2 U	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--
B(a)P Equivalent	ug/kg	89	8200	6	840	14	2200	6 U	88	5.8 U	5.8 U	5.8 U	5.8	--	--	--	--
Benzo (a) anthracene	ug/kg	46	3800 U	5.2 U	410	6	1200	5.2 U	43	5 U	5 U	5 U	5 U	--	--	--	--
Benzo (a) pyrene	ug/kg	65	4400 J	5.2 U	610	7.8	1700	5.2 U	65	5 U	5 U	5 U	5 U	--	--	--	--
Benzo (b) fluoranthene	ug/kg	140	15000	5.2 U	1400	20	2900	5.2 U	98	5 U	5 U	5 U	5 U	--	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1
	SAMPLE	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1
	DATE	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	0	0	2.5	5.5	9	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		3	1	3	1	3	1	3	1	0.5	3	6	9.5	0	2	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	0.5	0.5	3	6	9.5	0	2	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	3800 U	5.2 U	450	7.8	840	5.2 U	69	5 U	5 U	5 U	5 U	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	5800 J	5.2 U	330	5.7	1100	5.2 U	44	5 U	5 U	5 U	5 U	--	--	--	--
Chrysene	ug/kg	63	5200 J	5.2 U	780	11	2100	5.2 U	68	5 U	5 U	5 U	5 U	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	3800 U	5.2 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--
Fluoranthene	ug/kg	97	1300	5.2 U	830	9.9	2600	5.2 U	84	5 U	5 U	5 U	5 U	--	--	--	--
Fluorene	ug/kg	--	57 U	5.2 U	5.1 U	5.3 U	9.8 J	5.2 U	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	26	3800 U	5.2 U	410	6.7	840	5.2 U	53	5 U	5 U	5 U	5 U	--	--	--	--
Naphthalene	ug/kg	--	57 U	5.2 U	5.1 U	5.3 UJ	14 J	5.2 U	5.3 U	5 U	5.5 U	5.7 U	6.1 U	--	--	--	--
PAH High molecular weight	ug/kg	592	32900	0	5940	84.1	15900	0	603	0	0	0	0	--	--	--	--
PAH Low molecular weight	ug/kg	33	585	24	175	20	695	0	28	0	0	0	5	--	--	--	--
Phenanthrene	ug/kg	33	490	24	120	20	570	5.2 U	28	50 U	5 U	5 U	5 U	--	--	--	--
Pyrene	ug/kg	93	1200	5.2 U	720	9.2	2600	5.2 U	79	5 U	5 U	5 U	5 U	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2-Chlorophenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2-Methylphenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2-Nitroaniline	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
2-Nitrophenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
3-Nitroaniline	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	7500 U	--	6800 U	--	6700 U	--	680 U	660 U	660 U	660 U	660 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	7500 U	--	680 U	--	670 U	--	680 U	660 U	660 U	660 U	660 U	--	--	--	--
4-Chloroaniline	ug/kg	--	7500 U	--	680 U	--	670 U	--	680 U	660 U	660 U	660 U	660 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
4-Methylphenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
4-Nitroaniline	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
4-Nitrophenol	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	--	7500 U	--	680 U	--	670 U	--	680 U	660 U	660 U	660 U	660 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	3800 U	--	3400 U	--	3400 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Butylbenzylphthalate	ug/kg	--	3800 U	--	3400 U	--	3400 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	3800 U	--	3400 U	--	3400 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Dibenzofuran	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Diethyl phthalate	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Dimethyl phthalate	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Hexachlorobenzene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Hexachloroethane	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--

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Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1
	SAMPLE	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1
	DATE	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	0	0	2.5	5.5	9	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		3	1	3	1	3	1	3	1	0.5	3	6	9.5	0	2	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	0.5	0.5	3	6	9.5	0	2	0	0
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Pentachlorophenol	ug/kg	--	19000 U	--	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Phenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	130	--	37	--	35	--	77	15	14	10 U	10 U	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	1.7 U	1.4 U	1.1 U	--	--	--	--
TPH as motor oil	mg/kg	--	580	--	250	--	190	--	110	10 U	10 U	10 U	10 U	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 UJ	5.7 UJ	6.1 UJ	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	55 U	57 U	61 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	110 U	110 U	120 U	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	55 U	57 U	61 U	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1
	SAMPLE	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1
	DATE	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	0	2	0	0	2.5	5.5	9	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		3	1	3	1	3	1	3	1	0.5	3	6	9.5	0	2	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	0.5	3	0.5	0.5	3	6	9.5	0	2	0	0
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Hexachlorobutadiene	ug/kg	--	7500 U	--	680 U	--	670 U	--	680 U	660 U	5.5 U	5.7 U	6.1 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	55 U	57 U	61 U	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	55 U	57 U	61 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Nitrobenzene	ug/kg	--	3800 U	--	340 U	--	340 U	--	340 U	330 U	330 U	330 U	330 U	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62
	SAMPLE	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	3	0.5	3	5	2
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	17	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	223	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.01	9.15	8.94	9.64	8.67	9.39	9.03	8.9	8.71	9.06	9.08	9.1	9.9	9.1	9.2	8.8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	64.2	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	585	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.51 U	0.51 U	0.5 U	0.5 U	0.5 U	0.6	5.8	4.8	0.51 U	0.51 U	2.7	0.7	0.5 U	12	1.8	1
Chromium, total	mg/kg	18.8	18.1	17.5	16.1	18.3	19.4	39.5	74.9	28.6	28.9	19.6	31.8	22.1	45.5	39.9	32
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	12.9	20.2	3.8	13.8	11.6	19.2	7.1	7.5	9.7	9.9	27.9	15.7	10.6	1.8	9.7	4.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	11.6	13.4	1.5	12.3	13	0.92	0.33	0.39	10.4	7.4	2.2	14	10.8	0.57	9.4	1.8
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	36.3	47.5	11.3	37.5	35	27.1	34.1	243	35.1	29.8	15.4	49.4	34.5	14.5	35.7	8.4
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62
	SAMPLE	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	3	0.5	3	5	2
SAMPLE TYPE																	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	26300	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	23100	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	8330	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2250	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	410 U	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62
	SAMPLE	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	3	0.5	3	5	2
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62
	SAMPLE	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	3	0.5	3	5	2
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62
	SAMPLE	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	3	0.5	3	5	2
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01
	SAMPLE	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		4	1	2	4	1	2	2	4	6	2	3	3	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	2	4	1	2	2	4	6	2	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	2	4	0.5	2	2	4	6	2	3	3	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	29	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	3010	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.2	8.8	9.7	9.5	9.1	9.7	9.1	9.24	10.4	9.1	10.3	9.2	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	10.7	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	1630	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	2.2 U	2.2 U	2.1 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	3	5.2	4.1	2.9
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	78 J	210	100	100
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	15.4	1	0.5 U	0.5 U	0.5	0.24	0.22 U	0.22 U	0.21 U
Chromium, total	mg/kg	21.9	12.1	13.8	12.1	18.7	11.3	25	23.4	13.7	10.3	14.9	12.8	14	36	49	40
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	3.9	11	11	11
Copper	mg/kg	11.5	4.2	9.4	11	6.7	8	11.8	3.2	10.3	2.5	8.3	10.8	29	14	15	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	7.6	3.2	2.5	1.9
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.1 U	0.11 U	0.11 U	0.11 U
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	10.2	4.3	7.5	9.6	5.9	8.6	10.9	0.43 J	9.8	4.3	8.8	9.4	7.8	30	37	34
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	2.2 U	2.2 U	2.1 U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	16	43	44	46
Zinc	mg/kg	39.8	18	24.1	29.2	27	28.9	38.2	1.9	32.6	4.3	27	40.9	190	41	43	40
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01
	SAMPLE	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		4	1	2	4	1	2	2	4	6	2	3	3	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	2	4	1	2	2	4	6	2	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	2	4	0.5	2	2	4	6	2	3	3	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	379000	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	425	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	23000	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	89.6 J	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	6590	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	18 U	18 U	18 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	35 U	36 U	36 U	35 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	18 U	18 U	18 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	18 U	18 U	18 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	18 U	18 U	18 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	18 U	18 U	18 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	18 U	18 U	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	34 U	36 U	36 U	36 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	20	6.4 U	6.4 U	6.2 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	7	5.5 U	5.5 U	5.4 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	13	5.5 U	5.5 U	5.4 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	26	5.5 U	5.5 U	5.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01
	SAMPLE	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	4	1	2	4	1	2	2	4	6	2	3	3	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	4	1	2	4	1	2	2	4	6	2	3	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	0.5	2	4	0.5	2	2	4	6	2	3	3	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	10	5.5 U	5.5 U	5.4 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	11	5.5 U	5.5 U	5.4 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	12	5.5 U	5.5 U	5.4 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	12	5.5 U	5.5 U	5.4 U
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	8.1	5.5 U	5.5 U	5.4 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	112	0	0	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	13	5.5 U	5.5 U	5.4 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01
	SAMPLE	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	4	1	2	4	1	2	2	4	6	2	3	3	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	4	1	2	4	1	2	2	4	6	2	3	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	0.5	2	4	0.5	2	2	4	6	2	3	3	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	11 U	11 U	11 U	11 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 U	1.4 U	0.94 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	78	11 U	11 U	11 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01
	SAMPLE	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	4	1	2	4	1	2	2	4	6	2	3	3	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	4	1	2	4	1	2	2	4	6	2	3	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	0.5	2	4	0.5	2	2	4	6	2	3	3	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09
	SAMPLE	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	0	2	0	0	2	0	2	5	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	1	3	1	1	3	1	3	6	1	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	8.8	9	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 UJ	2 U	--	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U
Arsenic	mg/kg	3.2	5	4	2.6	3	2.9	4.5	--	3.8	3.3	3.6	3.1	--	8.9	3.2	4.3
Barium	mg/kg	100	590	91	52	90 J	83	130 J	--	110	82	97	77	--	92	91	260
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.66	11	0.28	0.2 U	0.2 U	0.2 U	--	0.2 U	0.21 U	0.2 U	0.2 U	0.21 U	0.26	2.7	--	0.21 U
Chromium, total	mg/kg	26	280	12	6.4	10	8	19 J	--	30	17	21	20	--	34	9.2 J	11
Cobalt	mg/kg	5.8	5.8	3.7	2.3	4	3.2	3.9	--	7.3	6.4	7.8	7.6	--	4	5.2	4.3
Copper	mg/kg	16	590	7.3	3.4	5.1	4.4	--	9.2	12	9.4	10	9.5	--	35	6	6.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	29	170	9.7	2.5	2.7	2.5	37 J	--	10	3.9	4.2	2.8	6.8 J	7.8	--	3.8
Mercury	mg/kg	0.17 J	3.2	0.099 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.11 U
Molybdenum	mg/kg	1 U	9.1	1 U	1 U	1 U	1 U	--	2.5	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	12	17	8.6	4.7	8.3	5.9	9.5 J	--	24	13	16	19	8.7 J	8.4	--	9.4
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U
Vanadium	mg/kg	28	26	17	11	21	16	19	--	33	30	37	34	18	23	--	22
Zinc	mg/kg	48	300	31	13	22	19	--	46	41	39	40	40	37	97	--	25
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09
	SAMPLE	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	0	2	0	0	2	0	2	5	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	1	3	1	1	3	1	3	6	1	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	5800	2600	--	--	6000 J	--	--	--	--	--	5900 J	5000	--	--
Calcium	mg/kg	--	--	24000	17000	--	--	--	18000	--	--	--	--	--	22000	20000	--
Cyanide	mg/kg	--	--	0.2 UJ	0.2 UJ	--	--	0.22 J	--	--	--	--	--	--	0.2 UJ	0.2 UJ	--
Iron	mg/kg	--	--	10000	5800	--	--	--	9000 J	--	--	--	--	--	11000	8700	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	5100	3300	--	--	5700	--	--	--	--	--	5300 J	5600	--	--
Manganese	mg/kg	--	--	250	130	--	--	160	--	--	--	--	--	170	150	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1300	600	--	--	1800	--	--	--	--	--	1700	1300	--	--
Sodium	mg/kg	--	--	400	200	--	--	620	--	--	--	--	--	--	270	170	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 UJ	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	34 U	33 U	33 U	33 U	34 U	33 U	--	35 U	33 U	34 U	34 U	--	33 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	67	17 U	17 U	17 U	17 U	--	53	17 U	17 U	17 U	17 U	--	17 U	42	17 U
Aroclor 1260	ug/kg	17 U	84	17 UJ	17 U	17 U	17 U	--	40	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	17 U	17 U	--	--	--	17 U	--	--	--	--	--	17 U	17 U	--
Aroclor 1268	ug/kg	--	--	17 U	17 U	--	--	--	17 U	--	--	--	--	--	17 U	17 U	--
Total PCBs	ug/kg	34 U	168	34 U	34 U	34 U	34 U	--	110	34 U	34 U	34 U	34 U	--	34 U	67.5	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	25 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
2-Methyl naphthalene	ug/kg	5 U	25 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
Acenaphthene	ug/kg	5 U	25 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
Acenaphthylene	ug/kg	5 U	25 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
Anthracene	ug/kg	5 U	29	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
B(a)P Equivalent	ug/kg	56 U	350	5.8 U	56 U	5.8 U	5.9 U	66	--	6.6	19	5.9 U	6 U	--	58	21	42
Benzo (a) anthracene	ug/kg	5 U	360	5 U	5 U	5 U	5.1 U	27	--	5.2 U	7.1	5.1 U	5.2 U	8.4	12	--	16
Benzo (a) pyrene	ug/kg	50 U	250 U	5 U	50 U	5 U	5.1 U	49	--	5.2 U	12	5.1 U	5.2 U	--	51 U	14	29
Benzo (b) fluoranthene	ug/kg	50 U	510	5 U	50 U	5 U	5.1 U	94	--	8.4	26	5.1 U	5.2 U	--	51 U	28	67

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09
	SAMPLE	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	0	2	0	2	0	2	0	0	2	0	2	5	0	2	0	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	1	3	1	3	1	1	3	1	3	6	1	3	1	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5
	SAMPLE TYPE							Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	50 U	250 U	5 U	50 U	5 U	5.1 U	21	--	5.2 U	6.7	5.1 U	5.2 U	9.7	51 U	--	14
Benzo (k) fluoranthene	ug/kg	50 U	250 U	5 U	50 U	5 U	5.1 U	32	--	5.2 U	8.7	5.1 U	5.2 U	--	51 U	8.7	23
Chrysene	ug/kg	5 U	390	5 U	5 U	5 U	5.1 U	60	--	5.2	16	5.1 U	5.2 U	--	21	14	36
Dibenzo (a,h) anthracene	ug/kg	50 U	250 U	5 U	50 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	51 U	5 U	5.2 U
Fluoranthene	ug/kg	5 U	500	5 U	5 U	5 U	5.1 U	83	--	7	23	5.1 U	5.2 U	26	39	--	35
Fluorene	ug/kg	5 U	25 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	50 U	250 U	5 U	50 U	5 U	5.1 U	23	--	5.2 U	6.7	5.1 U	5.2 U	9.4	51 U	--	14
Naphthalene	ug/kg	5 U	25 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U
PAH High molecular weight	ug/kg	0	2180	0	0	0	0	474	--	28.3	128	0	0	138	111	--	269
PAH Low molecular weight	ug/kg	0	289	0	0	0	0	26	--	0	0	0	0	9.7	6.8	--	10
Phenanthrene	ug/kg	5 U	260	5 U	5 U	5 U	5.1 U	26	--	5.2 U	5 U	5.1 U	5.2 U	9.7	6.8	--	10
Pyrene	ug/kg	5 U	420	5 U	5 U	5 U	5.1 U	85	--	7.7	22	5.1 U	5.2 U	24	39	--	35
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09
	SAMPLE	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	0	2	0	0	2	0	2	5	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	1	3	1	1	3	1	3	6	1	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	25	410	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	11	--	10 U	10 U	13
TPH as gasoline	mg/kg	--	1.2 U	--	1.5 U	--	1.7 U	--	--	1.8 U	--	1.4 U	1.4 U	--	1.4 U	--	--
TPH as motor oil	mg/kg	49	1500	22	10 U	10 U	10 U	16	--	10 U	10 U	10 U	22	--	18	10 U	19
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09
	SAMPLE	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	0	2	0	0	2	0	2	5	0	2	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	1	3	1	1	3	1	3	6	1	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-14	SD-14	SD-14
	SAMPLE	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-14-01	SD-14-03	SD-14-06
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	1/11/2016	1/11/2016	1/11/2016
SAMPLE TOP DEPTH (FT)		2	5	0	2	0	2	0	2	5	0	2	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	1	3	0.5	3	1	3	6	1	3	1	3	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	0.5	3	0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	2700 J	3300 J	1800 J	--	--	--	--	5500	3100	1500
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	2.9 UJ	3.5 UJ	260 J	--	--	--	--	340	240	27 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	42 J	28 UJ	16 J	--	--	--	--	49	14	3.8 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	55 J	41 J	3.7 UJ	--	--	--	--	1.4 U	1.9 U	7 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	67 J	59 J	20 UJ	--	--	--	--	45	9.4 U	34 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	130 J	110 J	64 J	--	--	--	--	170	71	35
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	50 J	23 J	12 J	--	--	--	--	15	5.2 U	8.8 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	130 UJ	51 UJ	15 UJ	--	--	--	--	24	5.8 U	4.5 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	2.9 UJ	240 R	3.8 UJ	--	--	--	--	1.4 U	0.91 U	0.76 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	80 J	44 UJ	35 J	--	--	--	--	85	29	12 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	3 UJ	5.4 UJ	4.3 UJ	--	--	--	--	9 J	2.3 U	4.6 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	2.7 UJ	4.8 UJ	380 UJ	--	--	--	--	1200 U	490 U	190 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	11 UJ	250 UJ	4 UJ	--	--	--	--	9.1 J	4.2 J	1.7 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	4.4 UJ	4.1 UJ	1.6 UJ	--	--	--	--	3.1 J	1.4 U	1.2 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	14 UJ	12 UJ	2.6 UJ	--	--	--	--	2.7 J	1.4 U	0.68 U
OCDD	ng/kg	--	--	--	--	--	--	18000 J	33000 J	18000 J	--	--	--	--	40000	25000	20000
OCDF	ng/kg	--	--	--	--	--	--	1000 J	1800 J	670 J	--	--	--	--	1100	1100	400
TEQ Avian	ng/kg	--	--	--	--	--	--	110	190 JH	44	--	--	--	--	130	46	20
TEQ Human	ng/kg	--	--	--	--	--	--	140	130 JH	67	--	--	--	--	190	83	40
TEQ Mammals	ng/kg	--	--	--	--	--	--	140	130 JH	67	--	--	--	--	190	83	40
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U
Arsenic	mg/kg	4.6	5.3	3.3	2.4	2.9	2.7	3.7	2.9	2.6	2.8	2.5	3.2	2.4	3.7	2.6	6.7
Barium	mg/kg	240	260	83	82	99	62	88	90	71	79	92	100	70	87	94	140
Beryllium	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Cadmium	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.2 U	1.4	0.2 U	1	0.51	0.63	0.79	0.2 U	0.51	0.92	0.34	0.72	0.63	3.1
Chromium, total	mg/kg	11	12	7.9	27	38	21	110	90	23	8.1	16	33	25	29	32	42
Cobalt	mg/kg	4.3	4.4	2.7	4.2	4.5	3.3	3.8	4.5	3.7	2.7	4.4	4.7	7.7	5.6	5	4.5
Copper	mg/kg	5.6	7.1	6.7	9	14	10	19	44	11	5.1	8.9	7.8	9.4	14	7.6	64
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.1	4.3	6.1	16	22	6.2	20	36	11	7.2	4.1	3.6	3	13	16	120
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.37	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
Molybdenum	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	5
Nickel	mg/kg	8.7	8.9	5.6	8.8	9.6	6	7.3	8.8	6.6	5.1	7.7	7.9	15	10	9.1	11
Selenium	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Silver	mg/kg	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Thallium	mg/kg	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U
Vanadium	mg/kg	21	25	14	19	22	17	18	21	18	15	19	19	33	20	19	18
Zinc	mg/kg	21	24	36	180	1100	42	170	310	88	38	27	30	40	37	47	660
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-14	SD-14	SD-14
	SAMPLE	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-14-01	SD-14-03	SD-14-06
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	1/11/2016	1/11/2016	1/11/2016
	SAMPLE TOP DEPTH (FT)	2	5	0	2	0	2	0	2	5	0	2	0	2	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	1	3	0.5	3	1	3	6	1	3	1	3	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	0.5	3	0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	6
	SAMPLE TYPE																
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	6800	4600	--	--	--	--	--	6600	11000	5800	6600	9000
Calcium	mg/kg	--	--	--	--	22000	21000	--	--	--	--	--	22000	20000	18000	17000	67000
Cyanide	mg/kg	--	--	--	--	0.2 U	0.21 U	--	--	--	--	--	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.22 UJ
Iron	mg/kg	--	--	--	--	15000	8200	--	--	--	--	--	13000	19000	12000	14000	18000
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	5700	4800	--	--	--	--	--	5600	8000	4800	4900	4500
Manganese	mg/kg	--	--	--	--	170	130	--	--	--	--	--	200	200	190	220	220
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2100	1100	--	--	--	--	--	1700	1900	1400	1700	1900
Sodium	mg/kg	--	--	--	--	220	480	--	--	--	--	--	400	2400	250	320	610
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	70	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	19 U
Aroclor 1221	ug/kg	35 U	35 U	34 U	34 U	33 U	33 U	33 U	35 U	34 U	33 U	34 U	33 U	35 U	34 U	34 U	38 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	19 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	19 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	19 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	430	17 U	250	240	110	16 U	17 U	17 U	18 U	1000	85	19 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	180 J	17 U	1000	360	110	16 U	17 U	17 U	18 U	320	50	19 U
Aroclor 1262	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	17 U	18 U	17 U	17 U	19 U
Aroclor 1268	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	--	17 U	18 U	17 U	17 U	19 U
Total PCBs	ug/kg	34 U	34 U	34 U	34 U	627	34 U	1330	617	237	32 U	34 U	34 U	36 U	1340	152	38 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.1 U	14	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.7 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	7.5	18 J	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.7 U
Acenaphthene	ug/kg	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.7 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.7 U
Anthracene	ug/kg	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	6.9	6.9	5.7 U
B(a)P Equivalent	ug/kg	6.3	6.5	25	31	130	57 U	48	66	60	56	5.9 U	130	6.4	140	110	63 U
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	8.9	10	55	5.1 U	5 U	20 J	5.2 U	12	5.1 U	39	5.3 U	110	100	5.7 U
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	16	20	84	51 U	16 J	52 U	52 U	50 U	5.1 U	74	5.3 U	100	84	57 U
Benzo (b) fluoranthene	ug/kg	5.6	6	41	59	150	51 U	44 J	90 J	48 J	50 U	5.1 U	160	5.7	200	140	57 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-14	SD-14	SD-14
	SAMPLE	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-14-01	SD-14-03	SD-14-06
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	1/11/2016	1/11/2016	1/11/2016
	SAMPLE TOP DEPTH (FT)	2	5	0	2	0	2	0	2	5	0	2	0	2	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	1	3	0.5	3	1	3	6	1	3	1	3	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	0.5	3	0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	6
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	14	14 J	50 U	51 U	50 U	9.1 J	52 U	50 U	5.1 U	120	5.3 U	31	33	57 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	11	17	54	51 U	20 J	43 J	25 J	50 U	5.1 U	51	5.3 U	72	53	57 U
Chrysene	ug/kg	5.2 U	5.3 U	17	20	100 J	5.1 U	71 J	51 J	5.2 U	20	5.1 U	65	5.3 U	140	110	5.7 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.1 U	5.1 U	50 U	51 U	50 U	52 U	52 U	50 U	5.1 U	51 U	5.3 U	5.2 U	5.2 U	57 U
Fluoranthene	ug/kg	5.2 U	5.3 U	18	26	180	5.1 U	5 U	72 J	49 J	30	5.1 U	89	5.3 U	260	220	5.7 U
Fluorene	ug/kg	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.7 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	13	14	50 U	51 U	50 U	52 U	52 U	50 U	5.1 U	95	5.3 U	33	33	57 U
Naphthalene	ug/kg	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.7 U
PAH High molecular weight	ug/kg	5.6	6	157	205	793	0	151	285	122	87	0	781	5.7	1180	973	0
PAH Low molecular weight	ug/kg	0	0	7.5	39.1	57	0	21	27	20	20	0	11	0	103	49.9	0
Phenanthrene	ug/kg	5.2 U	5.3 U	5.1 U	7.1	57	5.1 U	21 J	27 J	20 J	20	5.1 U	11	5.3 U	96	43	5.7 U
Pyrene	ug/kg	5.2 U	5.3 U	18	25	170	5.1 U	5 U	5.2 U	5.2 U	25	5.1 U	88	5.3 U	230	200	5.7 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-14	SD-14	SD-14
	SAMPLE	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-14-01	SD-14-03	SD-14-06
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	1/11/2016	1/11/2016	1/11/2016
	SAMPLE TOP DEPTH (FT)	2	5	0	2	0	2	0	2	5	0	2	0	2	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	1	3	0.5	3	1	3	6	1	3	1	3	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	0.5	3	0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	6
	SAMPLE TYPE																
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	30	11 U	10 U	26	54	590	840 J	940	240	10 U	26	10 U	11 U	10 U	10 U	300
TPH as gasoline	mg/kg	1.2 U	1.9 U	--	1.4 U	--	1.2 U	--	1.3 U	1.6 U	--	1.2 U	--	1.5 U	--	1 U	1.1 U
TPH as motor oil	mg/kg	72	13	26	25	180	1200	1400	1500	440	29	56	11	11 U	26	31	3700
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-14	SD-14	SD-14
	SAMPLE	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-14-01	SD-14-03	SD-14-06
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	1/11/2016	1/11/2016	1/11/2016
	SAMPLE TOP DEPTH (FT)	2	5	0	2	0	2	0	2	5	0	2	0	2	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	1	3	0.5	3	1	3	6	1	3	1	3	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	0.5	3	0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	6
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19
	SAMPLE	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4
	DATE	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	0	0	2	5	8
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	6.3 J	1300	50	51	8.4 J	6.2 J	1.6 J	0.57 J	0.32 J	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.59 U	120	5.1 J	3.7 J	0.59 U	0.52 U	0.2 U	0.12 U	0.11 U	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.19 U	7.1 J	0.26 U	0.34 U	0.15 U	0.1 U	0.097 U	0.04 U	0.039 U	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.16 U	0.71 U	0.61 J	0.28 U	0.14 U	0.11 U	0.04 U	0.07 U	0.035 U	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.3 U	11 J	0.38 U	0.5 U	0.29 U	0.19 U	0.071 U	0.075 U	0.15 U	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.18 U	36	1.4 U	1.4 U	0.23 U	0.3 U	0.096 U	0.04 U	0.038 U	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.15 U	2.9 J	1.6 U	1.2 U	0.13 U	0.098 U	0.037 U	0.065 U	0.043 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.14 U	3.6 J	0.065 U	0.11 U	0.11 U	0.069 U	0.065 U	0.051 U	0.029 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.045 U	0.9 U	0.091 U	0.071 U	0.076 U	0.052 U	0.073 U	0.059 U	0.063 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.17 U	14	0.43 U	0.22 U	0.38 U	0.097 U	0.091 U	0.038 U	0.011 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.19 U	0.83 U	0.15 U	0.33 U	0.17 U	0.12 U	0.047 U	0.092 U	0.037 U	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.81 U	240 U	18 U	12 U	0.76 U	1.1 J	0.26 J	0.11 U	0.22 U	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.049 U	2.5 J	0.098 U	0.12 U	0.041 U	0.056 U	0.078 U	0.064 U	0.068 U	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.094 U	0.56 U	0.099 U	0.043 U	0.04 U	0.041 U	0.024 U	0.059 U	0.036 U	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.32 U	1 U	0.2 U	0.085 U	0.38 U	0.3 U	0.18 U	0.27 J	0.095 U	--	--	--	--	--	--	--
OCDD	ng/kg	55	13000	450	430	36	44	7.5 J	2.5 J	1.5 U	--	--	--	--	--	--	--
OCDF	ng/kg	1.3 U	390	13 J	7.2 J	0.67 J	1.2 J	0.21 U	0.15 J	0.092 U	--	--	--	--	--	--	--
TEQ Avian	ng/kg	0.4	25	1.5	1	0.39	0.39	0.22	0.38	0.14	--	--	--	--	--	--	--
TEQ Human	ng/kg	0.32	41	2	1.6	0.3	0.31	0.13	0.12	0.074	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.32	41	2	1.6	0.3	0.31	0.13	0.12	0.074	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	1.6	1.8	2.1	1.6	2	1.3	1.9	2.3	1.4	5.1	5.5	2.9	2.3	2.8	1.2	1.9
Barium	mg/kg	64	220	36	72	49	100	230	46	69	190	180	63	150 J	150	75	94
Beryllium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.1	0.77	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.2 U	0.25	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	35	19	25	21	20	16	19	24	13	17	18	32	30	24	14	15
Cobalt	mg/kg	7.6	6.3	7.7	7.2	9.4	7.3	7.6	10	9.4	6.6	7.6	11	9.8	8.3	6.6	6.5
Copper	mg/kg	7.8	13	12	11	9.3	10	11	9.3	6.1	15	16	17	15 J	10	7.9	7.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.9	2.7	1.8	1.5	2.1	1.8	2.2	2.4	1.9	15	19	3.4	--	2.8	1.5	1.8
Mercury	mg/kg	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.12
Molybdenum	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U
Nickel	mg/kg	11	9.6	13	12	13	10	13	16	9.3	13	15	22	24	17	12	11
Selenium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U
Vanadium	mg/kg	28	24	27	28	35	28	34	37	28	27	30	41	31	32	23	24
Zinc	mg/kg	36	32	32	32	37	32	28	40	33	60	65	310	33	33	30	35
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19
	SAMPLE	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4
	DATE	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	0	0	2	5	8
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Aluminum	mg/kg	9500	8600	9900	9600	11000	8100	9000	12000	9500	--	--	--	--	--	--	--
Calcium	mg/kg	33000	48000	26000	59000	17000	14000	56000	6000	45000	--	--	--	--	--	--	--
Cyanide	mg/kg	0.21 UJ	0.22 U	0.22 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	--	--	--	--	--	--	--
Iron	mg/kg	18000	15000	17000	17000	21000	18000	16000	22000	16000	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	6800	5400	7000	6800	7800	5900	6500	8600	6500	--	--	--	--	--	--	--
Manganese	mg/kg	230	250	210	260	230	240	720	250	280	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	2100	1800	1800	1900	2300	2600	2800	2100	2500	--	--	--	--	--	--	--
Sodium	mg/kg	440	390	430	460	630	200	540	740	550	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	35 U	35 U	36 U	35 U	35 U	35 U	35 U	34 U	34 U	34 U	34 U	35 U	35 U	33 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	67	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	65	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	34 U	150	36 U	36 U	36 U	34 U	34 U	34 U	34 U	34 U	34 U	36 U	34 U	34 U	34 U	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Anthracene	ug/kg	5.2 U	6.1	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	87	6.2 U	6.1 U	6.1 U	6 U	6.1 U	6 U	6 U	57	11	6.5	6 U	6.5	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	68	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.4	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	62	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	51 U	6.1	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	130	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	51 U	13	6	5.2 U	9.1	5 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19
	SAMPLE	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4
	DATE	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	0	0	2	5	8
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	15	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	47	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Chrysene	ug/kg	5.2 U	81	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.8	6.1	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Fluoranthene	ug/kg	5.2 U	150	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	6.8	13	6	5.2 U	9.8	5 U	5.1 U
Fluorene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	16	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U
PAH High molecular weight	ug/kg	0	689	0	0	0	0	0	0	0	19.1	55.6	17.3	0	26.3	0	0
PAH Low molecular weight	ug/kg	0	58.1	0	0	0	0	0	0	0	0	5.1	0	0	7.1	0	0
Phenanthrene	ug/kg	5.2 U	52	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.1 U	5.1	5.3 U	5.2 U	7.1	5 U	5.1 U
Pyrene	ug/kg	5.2 U	120	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	6.5	12	5.3	5.2 U	7.4	5 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

LOCATION	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19
SAMPLE	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4
DATE	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	0	0	2	5	8
SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
SAMPLE TYPE																
ANALYTE / UNITS																
n-Nitroso-di-n-propylamine ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																
TPH as diesel mg/kg	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
TPH as gasoline mg/kg	1 U	--	1.3 U	1.2 U	1.5 U	--	1.4 U	1.2 U	1.4 U	--	1.1 U	--	--	1.1 U	1 U	1.2 U
TPH as motor oil mg/kg	31	100	11 U	11 U	11 U	10 U	10 U	10 U	10 U	61	64	11 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113) ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19
	SAMPLE	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4
	DATE	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	0	0	2	5	8
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	0.5	0.5	3	6	8.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-19	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-25	SD-26	SD-27	SD-OS33	SD-OS37	SD-OS37
	SAMPLE	SD-19-D7	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-25-01	SD-26-01	SD-27-02	SD-33-OS1-1001	SD-37-OS1-1001	SD-37-OS1-1002
	DATE	1/13/2016	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	2/15/2017	12/20/2016	11/30/2016	11/30/2016
SAMPLE TOP DEPTH (FT)		0	0	2	0	0	2	0	2	0	2	0	0	2	1.5	0	3
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	1	1	3	1	3	1	3	1	1	3	2	0.5	3.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	0.5	0.5	3	0.5	3	0.5	3	0.5	0.5	3	2	0.5	3.5
	SAMPLE TYPE	Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	460 J	--	140 J	1400 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	38 J	--	9.5 J	99 J	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	5.9 J	--	0.61 UJ	14 J	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	3.4 J	--	1.4 UJ	8.3 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	2.4 UJ	--	0.82 J	6.9 J	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	14 J	--	3.5 J	36 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	3.4 J	--	1.7 J	8.2 J	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	3 UJ	--	0.24 UJ	6.2 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.68 UJ	--	0.97 UJ	2.2 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	8.2 J	--	2 J	21 J	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.26 UJ	--	0.28 UJ	2.6 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	37 UJ	--	9.4 UJ	93 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	2.3 J	--	2.4 J	4.2 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	0.16 UJ	--	0.099 UJ	0.68 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	0.22 UJ	--	1.7 J	2.4 UJ	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	4300 J	--	990 J	13000 J	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	67 J	--	13 J	170 J	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	9.1	--	5.6	26	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	14	--	4.2	41	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	14	--	4.2	41	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 UJ	2 U	--	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2.1 U	2.1 UJ	2 U	2 U
Arsenic	mg/kg	--	3.4	3.8	--	3.2	5.4	3.3	3.2	2.4	2.2	2.2	4.8	2.4	4.7	3.5	3.1
Barium	mg/kg	--	--	75	74 J	71	79	100	110	65	51	89	130	56	120	120	93
Beryllium	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1	1.2	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	0.2 U	0.61	0.2 U	0.81	0.21 U	0.21 U	0.27	0.22 U	0.21 U	0.32	0.21 U	0.36	0.41	0.24
Chromium, total	mg/kg	--	18 J	8.9	--	21	31	22	27	19	31	23	24	20	29	35	16
Cobalt	mg/kg	--	4.2	2.6	--	7	6.4	6.4	7.4	6.3	9.2	8.6	5.6	6.1	8	5.2	3.2
Copper	mg/kg	--	--	4.3	7.3	8.7	10	13	10	11	14	15	21	9	12	21	9.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.1	5.3	2.7	--	2.4	4.5	10	4.7	5.6	3	3.1	16	1 U	5.2	36	5.4
Mercury	mg/kg	--	--	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.3	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	2.7
Nickel	mg/kg	--	8.8	4.3	--	14	14	12	17	14	21	20	17	12	15	12	7
Selenium	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ
Silver	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Thallium	mg/kg	--	2 U	2 U	--	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2.1 UJ	2.1 U	2 UJ	2 UJ
Vanadium	mg/kg	--	21	13	--	32	34	30	32	26	38	32	22	23	34	20	13
Zinc	mg/kg	--	--	17	71 J	44	60	61	49	87	39	39	220	34	47	92	24
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-19	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-25	SD-26	SD-27	SD-OS33	SD-OS37	SD-OS37
	SAMPLE	SD-19-D7	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-25-01	SD-26-01	SD-27-02	SD-33-OS1-1001	SD-37-OS1-1001	SD-37-OS1-1002
	DATE	1/13/2016	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	2/15/2017	12/20/2016	11/30/2016	11/30/2016
SAMPLE TOP DEPTH (FT)		0	0	2	0	0	2	0	2	0	2	0	0	2	1.5	0	3
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	1	1	3	1	3	1	3	1	1	3	2	0.5	3.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	0.5	0.5	3	0.5	3	0.5	3	0.5	0.5	3	2	0.5	3.5
SAMPLE TYPE		Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Aluminum	mg/kg	--	5500	3500	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	23000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	0.21 UJ	0.2 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	6800	9600 J	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	5300	5500	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	160	130	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	1200	860	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	260 J	270	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	33 U	33 U	--	33 U	34 U	34 U	34 U	35 U	36 U	34 U	33 U	34 U	34 U	33 U	34 U
Aroclor 1232	ug/kg	--	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	17 U	17 U	--	17 U	17 U	36	17 U	250	18 U	300	180	17 U	17 U	1600	110
Aroclor 1260	ug/kg	--	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	17 U	310	38
Aroclor 1262	ug/kg	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	34 U	34 U	--	34 U	34 U	61.5	34 U	277	36 U	326	206	34 U	34 U	1930	165
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	6.1	5.1 U
Anthracene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	18	5.1 U
B(a)P Equivalent	ug/kg	--	95	5.9 U	--	12	77	100	6.5	180	9.7	6	46	6 U	14	760	21
Benzo (a) anthracene	ug/kg	--	42 J	5.1 U	--	5.1 U	19 J	35 J	5.2 U	150 J	5.4 U	5.2 UJ	27 J	5.2 U	5.5 J	370	8.2
Benzo (a) pyrene	ug/kg	--	51	5.1 U	--	7.7	39 J	73 J	5.2 U	130 J	5.4	5.2 U	32	5.2 U	9.2 J	600 J	14
Benzo (b) fluoranthene	ug/kg	--	--	5.1 U	67	16	85 J	190 J	7.6	260	10	5.2 U	80	5.2 U	18 J	1000 J	27

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-19	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-25	SD-26	SD-27	SD-OS33	SD-OS37	SD-OS37
	SAMPLE	SD-19-D7	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-25-01	SD-26-01	SD-27-02	SD-33-OS1-1001	SD-37-OS1-1001	SD-37-OS1-1002
	DATE	1/13/2016	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	2/15/2017	12/20/2016	11/30/2016	11/30/2016
SAMPLE TOP DEPTH (FT)		0	0	2	0	0	2	0	2	0	2	0	0	2	1.5	0	3
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	1	1	3	1	3	1	3	1	1	3	2	0.5	3.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	0.5	0.5	3	0.5	3	0.5	3	0.5	0.5	3	2	0.5	3.5
	SAMPLE TYPE	Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	5.1 U	50 U	5.4	13 J	22 J	5.2 U	32 J	5.4 U	5.2 U	10	5.2 U	5.1 U	120 J	10
Benzo (k) fluoranthene	ug/kg	--	--	5.1 U	50 U	6.1	38 J	63 J	5.2 U	110 J	5.4 U	5.2 U	26	5.2 U	9.9 J	410 J	7.8
Chrysene	ug/kg	--	58 J	5.1 U	--	10	38 J	87 J	5.5	150 J	7.6	5.2 U	46	5.2 U	9.6 J	690	18
Dibenzo (a,h) anthracene	ug/kg	--	--	5.1 U	50 U	5.1 U	52 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	--	88	5.1 U	--	12	45 J	120 J	6.2	220 J	10	5.5	92	5.2 U	14 J	1200	24
Fluorene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5.1 U	50 U	5.1 U	10 J	21 J	5.2 U	28 J	5.4 U	5.2 U	9.4	5.2 U	5.1 U	140 J	9.5
Naphthalene	ug/kg	--	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U	5 U	5.2 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	--	445	0	--	68.2	330	711	25.9	1270	42.7	5.5	397	0	80.2	5630	143
PAH Low molecular weight	ug/kg	--	27	0	--	0	13	36	0	30	0	0	34	0	0	384	6.8
Phenanthrene	ug/kg	--	--	5.1 U	7.7	5.1 U	13 J	36 J	5.2 U	30 J	5.4 U	5.2 U	34	5.2 U	5.1 U	360	6.8
Pyrene	ug/kg	--	96	5.1 U	--	11	43 J	100 J	6.6	190 J	9.7	5.2 U	75	5.2 U	14 J	1100	24
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-19	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-25	SD-26	SD-27	SD-OS33	SD-OS37	SD-OS37
	SAMPLE	SD-19-D7	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-25-01	SD-26-01	SD-27-02	SD-33-OS1-1001	SD-37-OS1-1001	SD-37-OS1-1002
	DATE	1/13/2016	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	2/15/2017	12/20/2016	11/30/2016	11/30/2016
	SAMPLE TOP DEPTH (FT)	0	0	2	0	0	2	0	2	0	2	0	0	2	1.5	0	3
	SAMPLE BOTTOM DEPTH (FT)	0.5	1	3	1	1	3	1	3	1	3	1	1	3	2	0.5	3.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	3	0.5	0.5	3	0.5	3	0.5	3	0.5	0.5	3	2	0.5	3.5
	SAMPLE TYPE	Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	10 U	23	10 U	10 U	10 U	10 U	47	11 U	10 U	10 U	10 U	13 J	21	19
TPH as gasoline	mg/kg	--	--	1.6 U	--	--	1.3 U	--	1.3 U	--	1.5 U	--	--	1.1 U	1.3 U	2.2 U	1.2 U
TPH as motor oil	mg/kg	--	39 J	10 U	--	10 U	39	79	12	140	11 U	10 U	21	10 U	25 J	130	46
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-19	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-25	SD-26	SD-27	SD-OS33	SD-OS37	SD-OS37
	SAMPLE	SD-19-D7	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-25-01	SD-26-01	SD-27-02	SD-33-OS1-1001	SD-37-OS1-1001	SD-37-OS1-1002
	DATE	1/13/2016	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	3/10/2016	3/10/2016	2/15/2017	12/20/2016	11/30/2016	11/30/2016
SAMPLE TOP DEPTH (FT)		0	0	2	0	0	2	0	2	0	2	0	0	2	1.5	0	3
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	1	1	3	1	3	1	3	1	1	3	2	0.5	3.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	0.5	0.5	3	0.5	3	0.5	3	0.5	0.5	3	2	0.5	3.5
	SAMPLE TYPE	Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SS-1	SS-1	SS-2	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2
	SAMPLE	SD-37-OS1-1003	SS-1-0.5	SS-1-1.5	SS-2-0.5	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10
	DATE	11/30/2016	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	327	--	--	--	313
pH	PHUNITS	--	8.56	8.3	8.05	8.46	--	--	--	--	--	--	8.35	8.51	8.79	8.57	10.5
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	20	--	--	--	10
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.4 U	--	--	--	0.4 U
Metals																	
Antimony	mg/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	2.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	110	--	--	--	--	--	--	--	--	--	--	97.3	--	--	--	46.4
Beryllium	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	14	38.2	25.3	18.9	10.2	--	--	--	--	--	--	16.5	13.7	13.6	16.7	9.7
Cobalt	mg/kg	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	7.4	16.5	13.6	14.1	12.9	--	--	--	--	--	--	8.2	14.9	11	16.9	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.3	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	3.1
Mercury	mg/kg	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	0.2 U	--	--	--	0.2 U
Nickel	mg/kg	11	17.9	12.5	13.2	9.4	--	--	--	--	--	--	12.9	11.6	12	12.2	11.7
Selenium	mg/kg	1 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	16	--	--	--	--	--	--	--	--	--	--	24.6	--	--	--	20.2
Zinc	mg/kg	20	55	43.4	48.3	42.2	--	--	--	--	--	--	31.9	35.7	29.6	34.5	27.3
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SS-1	SS-1	SS-2	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2
	SAMPLE	SD-37-OS1-1003	SS-1-0.5	SS-1-1.5	SS-2-0.5	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10
	DATE	11/30/2016	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997
	SAMPLE TOP DEPTH (FT)	5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
	SAMPLE BOTTOM DEPTH (FT)	5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	15300	--	--	--	9600
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	100 U	--	--	--	100 U
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	248	--	--	--	150
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	63.2	--	--	--	27.5
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	51.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SS-1	SS-1	SS-2	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2
	SAMPLE	SD-37-OS1-1003	SS-1-0.5	SS-1-1.5	SS-2-0.5	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10
	DATE	11/30/2016	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	8.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	179	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SS-1	SS-1	SS-2	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2
	SAMPLE	SD-37-OS1-1003	SS-1-0.5	SS-1-1.5	SS-2-0.5	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10
	DATE	11/30/2016	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SS-1	SS-1	SS-2	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2
	SAMPLE	SD-37-OS1-1003	SS-1-0.5	SS-1-1.5	SS-2-0.5	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10
	DATE	11/30/2016	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997
	SAMPLE TOP DEPTH (FT)	5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
	SAMPLE BOTTOM DEPTH (FT)	5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	5.5	0.5	1.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-2	SSB-2	SSB-2	SSB-3	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6
	SAMPLE	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	306	--	--	--	265	--	--	--	261	--	--	--	295
pH	PHUNITS	8.66	9.07	9.37	9.04	8.9	8.35	9.7	9.42	8.86	8.24	8.77	9.52	8.63	8.6	8.92	8.94
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	11	--	--	--	13	--	--	--	16.5	--	--	--	22
Sulfide	mg/kg	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	0.4 U
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	70	--	--	--	93.9	--	--	--	89.6	--	--	--	100
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	48.7	7.6	10.1	7.1	8.2	13.2	23.5	201	10.1	1520	297	31.6	521	1440	617	14.8
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	7.4	6.8	9.4	13.4	4.3	9.5	13.7	11.9	3	10.3	12.4	7	13.5	16	14.9	9.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	2.3	--	--	--	2.1	--	--	--	1.8	--	--	--	3.1
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	0.2 U	--	--	--	0.2 U	--	--	--	0.2 U	--	--	--	0.79
Nickel	mg/kg	7.9	5.7	7.9	7.7	6	10.4	16.4	7.4	3.9	5.4	6.9	7.7	7.8	4.2	6.4	10.3
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	15.5	--	--	--	19.3	--	--	--	18.7	--	--	--	22.7
Zinc	mg/kg	27.3	20.4	27	19.2	13.7	21.4	27.1	188	11.9	141	130	107	39.6	128	115	33.4
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-2	SSB-2	SSB-2	SSB-3	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6
	SAMPLE	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	7220	--	--	--	11600	--	--	--	9870	--	--	--	14700
Iron (+2)	mg/kg	--	--	--	100 U	--	--	--	100 U	--	--	--	100 U	--	--	--	100 U
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	114	--	--	--	161	--	--	--	139	--	--	--	273
Manganese Extractable	mg/kg	--	--	--	34.2	--	--	--	45.2	--	--	--	26.8	--	--	--	94.3
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-2	SSB-2	SSB-2	SSB-3	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6
	SAMPLE	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-2	SSB-2	SSB-2	SSB-3	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6
	SAMPLE	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-2	SSB-2	SSB-2	SSB-3	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6
	SAMPLE	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-6	SSB-6	SSB-6	SSB-7	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1
	SAMPLE	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	284	--	--	--	204	--	--	--	252	--	--	--	--
pH	PHUNITS	8.74	9.04	8.8	9.48	8.61	8.76	8.95	8.9	8.46	8.53	8.2	8.82	7.95	8.52	8.44	8.94
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	34	--	--	--	12	--	--	--	9.2 J	--	--	--	--
Sulfide	mg/kg	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 UJ
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.5
Barium	mg/kg	--	--	--	77.5	--	--	--	43.9	--	--	--	102	--	--	--	120
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.52
Chromium, total	mg/kg	13.7	27.5	467	8.1	19.8	24.9	8.6	17.1	53.1	13.6	15.3	15.7	17.3	11	9.6	44
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11
Copper	mg/kg	8.6	6.6	33.8	5.8	7.7	6.5	14.7	10.7	15.1	14.1	7.3	7.7	8.6	6.1	6.4	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	1.8	--	--	--	2.8	--	--	--	3	--	--	--	4.2
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12 U
Molybdenum	mg/kg	--	--	--	0.2 U	--	--	--	0.071 J	--	--	--	0.096 J	--	--	--	1.2 U
Nickel	mg/kg	8.9	8.2	5.5	6.5	8.4	7	6.3	13.9	15.3	10.6	10	11.4	10.1	7	7.8	16
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Vanadium	mg/kg	--	--	--	16.2	--	--	--	26.8	--	--	--	25.7	--	--	--	38
Zinc	mg/kg	29.1	24.8	132	23.4	28.1	29.4	23	35.8	38.3	35.3	33.5	33.1	35.5	31.8	25.3	41
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-6	SSB-6	SSB-6	SSB-7	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1
	SAMPLE	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9200
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Iron	mg/kg	--	--	--	10100	--	--	--	15600	--	--	--	14200	--	--	--	25000
Iron (+2)	mg/kg	--	--	--	100 U	--	--	--	100 U	--	--	--	100 U	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7100
Manganese	mg/kg	--	--	--	186	--	--	--	270	--	--	--	205	--	--	--	270
Manganese Extractable	mg/kg	--	--	--	89.6	--	--	--	57.2	--	--	--	39.5	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2700
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	310
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 U
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.9 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-6	SSB-6	SSB-6	SSB-7	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1
	SAMPLE	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008
	SAMPLE TOP DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840 U
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	800 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2000 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840 UJ
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840 UJ
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2000 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	800 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 UJ
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-6	SSB-6	SSB-6	SSB-7	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1
	SAMPLE	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008
	SAMPLE TOP DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1900 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-6	SSB-6	SSB-6	SSB-7	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1
	SAMPLE	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008
	SAMPLE TOP DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	800 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12
	SAMPLE	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065
	DATE	10/16/2008	10/16/2008	10/16/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.4	8.38	9.36	8.69	9.07	10	9.67	--	8.4	8.69	9.63	9.66	9.04	8.98	9.53	9.64
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U
Arsenic	mg/kg	3	1 U	2.2	2.8	2.5	3.9	4.9	--	3.6	2.2	5.7	4.7	2.8	4.6	5.5	10
Barium	mg/kg	110	94	83	91	100	--	51	48	61	92	37	36	100	88	57	42
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	2.1 U	1.1 U	1 U	2 U	2 U	5.2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.46	14.1	0.91	0.4 U	0.4 U	0.41 U	0.43 U	--	1.8	8.8	0.43 U	0.43 U	0.4 U	0.41 U	0.41 U	0.42 U
Chromium, total	mg/kg	67	3200	55	19	26	--	25	22	200	840	34	22	19	24	20	21
Cobalt	mg/kg	7.5	7.3	6.9	7.8	8.8	10	9.6	--	8.4	8.1	9.3	9	8	9.5	9.6	9.7
Copper	mg/kg	9.4	9.5	8.6	11	13	--	15	10	11	11	12	10	8.5	11	13	11
CR6 SPLP	mg/L	--	0.02 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3	4.5	1.7	2.6	2.2	2.9	3.6	--	3.8	4.3	3.2	3.4	2.7	2.3	2.7	3.1
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	7.8	1 U	1 U	1.8	1 U	1.1 U	--	1.2	4	2.1 U	1.1 U	1 U	2 U	2 U	5.2 U
Nickel	mg/kg	15	12	11	12	13	15	17	--	15	13	16	15	11	16	15	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	2.1 U	1.1 U	1 U	2 U	2 U	5.2 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	--	2.1 U	2.1 U	4.3 U	2.1 U	2 U	4 U	4.1 U	10 U
Vanadium	mg/kg	32	45	27	30	31	36	37	--	34	34	35	35	32	34	35	34
Zinc	mg/kg	37	76	89	32	33	42	44	--	65	120	96	43	31	37	40	41
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12
	SAMPLE	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065
	DATE	10/16/2008	10/16/2008	10/16/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	12000	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	23000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	18000	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	8100	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	240	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	2300	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	600	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	35 U	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	6	6 U	6 U	5.8 U	5.8 U	--	6.1 U	5.9 U	10	22	6.1 U	6.2 U	5.8 U	5.9 U	5.9 U	6 U
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	7.2	19	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.4	14	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	10	22	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12
	SAMPLE	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065
	DATE	10/16/2008	10/16/2008	10/16/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	6.5	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	7.4	17	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Chrysene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	8.3	25	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Fluoranthene	ug/kg	8.7	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	14	49	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Fluorene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	6.7	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Naphthalene	ug/kg	5.2 U	5.1 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3 U	9.7	4.7 U	5.4 U	5 U	5 U	5.1 U	5.2 U
PAH High molecular weight	ug/kg	16.2	0	0	0	0	0	0	--	64.3	195	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	--	5.3	56.7	0	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	5.3	47	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Pyrene	ug/kg	7.5	5.2 U	5.2 U	5 U	5 U	--	5.3 U	5.1 U	12	36	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2-Chlorophenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2-Methylphenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
2-Nitrophenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	680 U	660 U	670 U	680 U	710 U	--	700 U	700 U	700 U	710 U	660 U	670 U	680 U	690 U
4-Chloroaniline	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
4-Methylphenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	--	1700 U	1800 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1800 U	--	1700 U	1800 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	690 U	680 U	660 U	670 U	680 U	710 U	--	700 U	700 U	700 U	710 U	660 U	670 U	680 U	690 U
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Butylbenzylphthalate	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Dibenzofuran	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Diethyl phthalate	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Dimethyl phthalate	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Hexachlorobenzene	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Hexachloroethane	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12
	SAMPLE	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065
	DATE	10/16/2008	10/16/2008	10/16/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
Phenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10.1	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1 U	1 U	0.98 U	--	0.91 UJ	1.1 U	1.2 U	--	--	1.3 U	0.99 U	1.2 U	--	1.1 U	0.93 U	1.1 U
TPH as motor oil	mg/kg	10	25.9	10 U	60.8	10.9	--	15.6	16.1	17.6	15.7	21.7	10 U	10 U	10.4	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1-Dichloroethene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1-Dichloropropene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1,1-Trichloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1,2-Trichloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2-Dibromoethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2-Dichlorobenzene	ug/kg	5.3 U	5.1 U	6 U	330 U	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U
1,2-Dichloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2-Dichloropropane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2,3-Trichlorobenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2,3-Trichloropropane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,2,4-Trichlorobenzene	ug/kg	5.3 U	5.1 U	6 U	330 U	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U
1,2,4-Trimethylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,3-Dichlorobenzene	ug/kg	5.3 U	5.1 U	6 U	330 U	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U
1,3-Dichloropropane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,3,5-Trimethylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
1,4-Dichlorobenzene	ug/kg	5.3 U	5.1 U	6 U	330 U	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
2-Hexanone	ug/kg	53 U	--	--	--	--	--	--	--	--	190 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
4-Isopropyltoluene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Acetone	ug/kg	53 U	51 U	60 U	--	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U
Acrolein	ug/kg	110 U	100 U	120 U	--	99 U	--	110 U	110 U	--	380 U	94 U	130 U	--	99 U	110 U	130 U
Acrylonitrile	ug/kg	53 U	51 U	60 U	--	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U
Benzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Bromobenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Bromochloromethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Bromodichloromethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Bromoform	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Bromomethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Carbon disulfide	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Carbon tetrachloride	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Chloro methane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Chlorobenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Chloroethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12
	SAMPLE	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065
	DATE	10/16/2008	10/16/2008	10/16/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Chloroform	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
cis-1,2-Dichloroethene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
cis-1,3-Dichloropropene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Cyclohexane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	19 U	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Dibromomethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Dichlorodifluoromethane	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Ethyl- benzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Hexachlorobutadiene	ug/kg	5.3 U	5.1 U	6 U	330 U	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
Isopropylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Methyl acetate	ug/kg	5.3 U	--	--	--	--	--	--	--	--	19 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	51 U	60 U	--	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U
Methyl isobutyl ketone	ug/kg	53 U	51 U	60 U	--	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Methylcyclohexane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	19 U	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
N-Butylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
N-Propylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Nitrobenzene	ug/kg	340 U	350 U	340 U	330 U	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U
p-Chlorotoluene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
sec-Butylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Styrene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
tert-Butylbenzene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Tetrachloroethene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Toluene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
trans-1,2-Dichloroethene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
trans-1,3-Dichloropropene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Trichloroethene	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Vinyl chloride	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Xylene, m,p-	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Xylene, o-	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U
Xylenes, total	ug/kg	5.3 U	5.1 U	6 U	--	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	2	0	2	5	9	0	2	5	9	19	29	39
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.72	8.9	9.82	9.76	--	8.92	9.07	9.97	9.52	8.99	9.95	9.84	9.98	9.82	9.51	9.39
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 UJ	--	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	3.3	--	6.4	5.7	9.7	2.3	2.8	5.8	5.6	2.6	2.8	4.5	--	5.5	7.4	4
Barium	mg/kg	120	170	85	49	--	96	120	73	67	130	130	100	230	81	110	56
Beryllium	mg/kg	1 U	--	2.1 U	1 U	5.1 U	1 U	1 U	2 U	1 U	1 U	1.1 U	2.1 U	2.1 U	2.1 U	5.3 U	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	--	0.42 U	0.43 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	1.1	0.42 U	0.42 U	0.42 U	0.43 U	0.43 U	0.42 U
Chromium, total	mg/kg	23	--	34	30	28	20	19	28	52	25	23	41	--	51	54	40
Cobalt	mg/kg	7.1	--	11	12	9.3	8.8	7.9	11	13	8.7	9.3	12	15	14	14	12
Copper	mg/kg	14	--	13	16	11	8.2	14	17	35	12	11	18	24	41	23	23
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.3	--	2.8	3.5	3.5	2.6	2.3	3.4	3.9	4.1	3	4.5	--	4.5	5.4	3
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	--	0.11 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	--	2.1 U	1 U	5.1 U	1 U	1 U	2 U	1 U	1.9	1.2	2.1 U	2.1 U	2.1 U	5.3 U	1 U
Nickel	mg/kg	12	--	20	20	15	13	12	20	32	15	17	28	--	37	39	27
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U
Silver	mg/kg	1 U	--	2.1 U	1 U	5.1 U	1 U	1 U	2 U	1 U	1 U	1.1 U	2.1 U	2.1 U	2.1 U	5.3 U	1 U
Thallium	mg/kg	2 U	--	4.1 U	2.1 U	10 U	2 U	2 U	4.1 U	2.1 U	2 U	2.1 U	4.3 U	4.1 U	4.2 U	11 U	2.1 U
Vanadium	mg/kg	33	--	40	43	36	33	31	40	48	34	32	44	55	53	51	48
Zinc	mg/kg	35	--	44	45	39	33	33	42	45	36	34	46	50	50	54	47
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	2	0	2	5	9	0	2	5	9	19	29	39
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Aluminum	mg/kg	7900	--	--	--	--	--	--	--	--	8800	--	--	--	--	--	--
Calcium	mg/kg	15000	--	--	--	--	--	--	--	--	22000	--	--	--	--	--	--
Cyanide	mg/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	21000	--	--	--	--	--	--	--	--	20000 J	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	6500	--	--	--	--	--	--	--	--	6900 J	--	--	--	--	--	--
Manganese	mg/kg	270	--	--	--	--	--	--	--	--	280 J	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	2500	--	--	--	--	--	--	--	--	2800 J	--	--	--	--	--	--
Sodium	mg/kg	220	--	--	--	--	--	--	--	--	340	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.1 U	--	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--	--
Toxaphene	ug/kg	51 U	--	--	--	--	--	--	--	--	51 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1221	ug/kg	33 U	--	--	--	--	--	--	--	--	34 U	35 UJ	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1254	ug/kg	22	--	--	--	--	--	--	--	--	96	17 UJ	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1262	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--
Total PCBs	ug/kg	22	--	--	--	--	--	--	--	--	96	8.5 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
2-Methyl naphthalene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Acenaphthene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Acenaphthylene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Anthracene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
B(a)P Equivalent	ug/kg	6.7	--	6 U	6.1 U	5.9 U	5.8 U	5.9 U	5.9 U	6 U	5.9	6.1 U	6.1 U	6 U	6.1 U	6.1 U	6 U
Benzo (a) anthracene	ug/kg	5.3	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Benzo (a) pyrene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Benzo (b) fluoranthene	ug/kg	7	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	2	0	2	5	9	0	2	5	9	19	29	39
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Benzo (k) fluoranthene	ug/kg	6.3	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Chrysene	ug/kg	5.7	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Fluoranthene	ug/kg	12	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	10	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Fluorene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Naphthalene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5 U	5.2 U
PAH High molecular weight	ug/kg	47.3	--	0	0	0	0	0	0	0	18.2	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	--	0	0	0	0	0	0	0	5.3	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.3	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Pyrene	ug/kg	11	--	5.2 U	5.3 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	8.2	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	710 U	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	710 U	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2-Chlorophenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2-Methylphenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2-Nitroaniline	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	710 U	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
3-Nitroaniline	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	--	680 U	700 U	670 U	670 U	670 U	680 U	680 U	670 U	700 U	700 U	680 U	700 U	700 U	690 U
4-Chloroaniline	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
4-Methylphenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
4-Nitroaniline	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U	1800 U	1700 U
Acetophenone	ug/kg	710 U	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
Atrazine	ug/kg	710 U	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	710 U	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U	1800 U	1700 U
Benzyl alcohol	ug/kg	670 U	--	680 U	700 U	670 U	670 U	670 U	680 U	680 U	670 U	700 U	700 U	680 U	700 U	700 U	690 U
bis (2-chloroethoxy) methane	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Butylbenzylphthalate	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Caprolactam	ug/kg	330 U	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
Carbazole	ug/kg	330 U	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Dibenzofuran	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Diethyl phthalate	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Dimethyl phthalate	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Hexachlorobenzene	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Hexachloroethane	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	2	0	2	5	9	0	2	5	9	19	29	39
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Pentachlorophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	12.6	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	1.2 U	1 U	1.1 U	--	--	0.9 U	1.2 U	1.3 U	--	0.9 U	1.1 U	--	0.89 U	1 U	0.95 U
TPH as motor oil	mg/kg	67.3	--	10 U	10 U	10 U	58.4	11.6	10 U	10.7	23.7	10 U	22.5	--	10 U	10 U	11.6
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1-Dichloroethene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1-Dichloropropene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1,1-Trichloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1,1,2-Tetrachloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1,2-Trichloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,1,2,2-Tetrachloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2-Dibromo-3-chloropropane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2-Dibromoethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2-Dichlorobenzene	ug/kg	330 U	5.8 U	5.9 U	5.4 U	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2-Dichloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2-Dichloropropane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2,3-Trichlorobenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2,3-Trichloropropane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2,4-Trichlorobenzene	ug/kg	330 U	5.8 U	5.9 U	5.4 U	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,2,4-Trimethylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,3-Dichlorobenzene	ug/kg	330 U	5.8 U	5.9 U	5.4 U	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,3-Dichloropropane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,3,5-Trimethylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,4-Dichlorobenzene	ug/kg	330 U	5.8 U	5.9 U	5.4 U	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U
1,4-Dioxane	ug/kg	330 U	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
2-Hexanone	ug/kg	--	58 U	--	--	--	--	--	--	--	--	64 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
4-Isopropyltoluene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Acetone	ug/kg	--	58 U	59 U	54 U	--	--	50 U	63 U	78 U	--	64 U	--	--	--	--	--
Acrolein	ug/kg	--	--	120 U	110 U	120 U	--	100 U	130 U	160 U	--	130 U	110 U	110 U	120 U	100 U	120 U
Acrylonitrile	ug/kg	--	58 U	59 U	54 U	--	--	50 U	63 U	78 U	--	64 U	56 U	--	59 U	50 U	60 U
Benzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
bis (2-chloroethyl) ether	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Bromobenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Bromochloromethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Bromodichloromethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Bromoform	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Bromomethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Carbon disulfide	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Carbon tetrachloride	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Chloro methane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Chlorobenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Chloroethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	2	0	2	5	9	0	2	5	9	19	29	39
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	20	30	40
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Chloroform	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
cis-1,2-Dichloroethene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
cis-1,3-Dichloropropene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Cyclohexane	ug/kg	--	5.8 U	--	--	--	--	--	--	--	--	6.4 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Dibromomethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Dichlorodifluoromethane	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Ethyl- benzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Hexachlorobutadiene	ug/kg	330 U	5.8 U	5.9 U	5.4 U	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Hexachlorocyclopentadiene	ug/kg	670 U	--	--	--	--	--	--	--	--	670 U	--	--	--	--	--	--
Isophorone	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
Isopropylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Methyl acetate	ug/kg	--	5.8 U	--	--	--	--	--	--	--	--	6.4 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	58 U	59 U	54 U	--	--	50 U	63 U	78 U	--	64 U	56 U	--	59 U	50 U	60 U
Methyl isobutyl ketone	ug/kg	--	58 U	59 U	54 U	--	--	50 U	63 U	78 U	--	64 U	56 U	--	59 U	50 U	60 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Methylcyclohexane	ug/kg	--	5.8 U	--	--	--	--	--	--	--	--	6.4 U	--	--	--	--	--
Methylene chloride	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
N-Butylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
N-Propylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Nitrobenzene	ug/kg	330 U	--	340 U	350 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U
p-Chlorotoluene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
sec-Butylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Styrene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
tert-Butylbenzene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Tetrachloroethene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Toluene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
trans-1,2-Dichloroethene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
trans-1,3-Dichloropropene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Trichloroethene	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Vinyl chloride	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Xylene, m,p-	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Xylene, o-	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U
Xylenes, total	ug/kg	--	5.8 U	5.9 U	5.4 U	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18
	SAMPLE	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016
SAMPLE TOP DEPTH (FT)		49	59	69	79	89	9	59	0	2	5	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	0.5
SAMPLE TYPE							Field Duplicate	Field Duplicate								Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3300
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	310
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.53 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.37 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.61 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1500 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7 J
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.44 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47000
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	980
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.19	9.22	8.82	8.7	9.57	--	--	8.87	9.23	9.14	8.88	9.15	9.71	9.78	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.1 U	2.1 U	4 U	--	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2.2 U
Arsenic	mg/kg	6.7	8.4	6.1	4.4	3.7	5.1	--	2.6	1.7	1.6	3.7	4.3	2.8	--	4.1	1.7
Barium	mg/kg	160	110	47	94	560	--	--	83	99	110	210	180	130	110	--	93
Beryllium	mg/kg	2.2 U	--	1.1 U	1.1 U	2 U	--	2.1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	--	1.1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	2 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.44 U	--	0.43 U	0.43 U	0.4 U	--	0.41 U	0.41 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	--	2.6
Chromium, total	mg/kg	55	47	39	28	6.5	60	--	10	18	18	27	29	29	--	53 J	16
Cobalt	mg/kg	13	--	13	11	6.2	--	15	4.5	7.9	7.8	11	10	10	--	14	7.7
Copper	mg/kg	25	--	25	20	4 U	--	24	5.2	8.3	8.9	16	12	12	26	--	7.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.4	--	3.8	3.2	2 U	4.5	4.3	2.3	2	2	3.5	3.9	3.1	--	4.7	2
Mercury	mg/kg	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	--	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.28
Molybdenum	mg/kg	2.2 U	--	1.1 U	1.1 U	2 U	--	2.1 U	1 U	1	1 U	2 U	2 U	2.4	2 U	--	1.1 U
Nickel	mg/kg	39	34	27	19	7	44	--	6.8	11	11	19	20	18	--	37	13
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	2 U	--	--	1 U	1.1	1.6	2 U	1 U	1 U	--	1 U	1.1 U
Silver	mg/kg	2.2 U	--	1.1 U	1.1 U	2 U	--	2.1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	--	1.1 U
Thallium	mg/kg	4.3 U	--	2.1 U	2.1 U	4 U	--	4.2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	--	2.2 U
Vanadium	mg/kg	57	--	42	38	15	--	52	20	32	32	47	40	39	--	51	29
Zinc	mg/kg	59	49	53	60	21	--	--	21	34	35	46	40	44	--	46	30
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18
	SAMPLE	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016
SAMPLE TOP DEPTH (FT)		49	59	69	79	89	9	59	0	2	5	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	0.5
	SAMPLE TYPE						Field Duplicate	Field Duplicate								Field Duplicate	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	12000	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	22000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	23000	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	9700	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	340	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	4900	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	580	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	50 U	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	18 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	33 U	--	--	--	--	36 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	18 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	18 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	18 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	18 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	8.5 U	--	--	--	--	9 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
2-Methyl naphthalene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Acenaphthene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Acenaphthylene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Anthracene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
B(a)P Equivalent	ug/kg	6.2 U	6.1 U	6.1 U	6.1 U	5.8 U	--	--	5.9 U	5.9 U	5.9 U	5.8 U	5.9 U	5.9 U	5.9 U	--	--
Benzo (a) anthracene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Benzo (a) pyrene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Benzo (b) fluoranthene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18
	SAMPLE	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016
SAMPLE TOP DEPTH (FT)		49	59	69	79	89	9	59	0	2	5	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	0.5
	SAMPLE TYPE						Field Duplicate	Field Duplicate								Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Benzo (k) fluoranthene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Chrysene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Dibenzo (a,h) anthracene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Fluoranthene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Fluorene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Naphthalene	ug/kg	5 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	4.8 U	5 U	5.1 U	4.5 U	5.1 U	--	--
PAH High molecular weight	ug/kg	0	0	0	0	0	--	--	0	0	0	0	0	0	0	--	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	--	--	0	0	0	0	0	0	0	--	--
Phenanthrene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Pyrene	ug/kg	5.4 U	5.3 U	5.3 U	5.3 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2-Chlorophenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2-Methylphenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
2-Nitrophenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2,4-Dimethylphenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
2,4-Dinitrotoluene	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
2,6-Dinitrotoluene	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
3,3-Dichlorobenzidene	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
4-Bromophenyl phenyl ether	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
4-Chloro-3-methylphenol	ug/kg	720 U	700 U	710 U	700 U	660 U	--	--	670 U	680 U	670 U	660 U	670 U	670 U	670 U	--	--
4-Chloroaniline	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
4-Chlorophenyl phenyl ether	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
4-Methylphenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1800 U	1700 U	1800 U	1800 U	1700 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Benzoic acid	ug/kg	1800 U	1700 U	1800 U	1800 U	1700 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--
Benzyl alcohol	ug/kg	720 U	700 U	710 U	700 U	660 U	--	--	670 U	680 U	670 U	660 U	670 U	670 U	670 U	--	--
bis (2-chloroethoxy) methane	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
bis (2-ethylhexyl) phthalate	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Butylbenzylphthalate	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Di-n-octyl phthalate	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Dibenzofuran	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Diethyl phthalate	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Dimethyl phthalate	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Hexachlorobenzene	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Hexachloroethane	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18
	SAMPLE	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016
SAMPLE TOP DEPTH (FT)		49	59	69	79	89	9	59	0	2	5	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	0.5
	SAMPLE TYPE						Field Duplicate	Field Duplicate								Field Duplicate	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
N-nitrosodiphenylamine	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
Phenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	--	--	10 U	10 U	14.5 J	10 U	10 U	10 U	10 U	--	--
TPH as gasoline	mg/kg	1.3 U	1.1 U	1.3 U	1.3 U	1 U	1.1 U	--	--	1.3 U	0.98 U	--	1.2 UJ	1 U	--	1.5 U	--
TPH as motor oil	mg/kg	10 U	10 U	11.2	10 U	10 U	19.8	--	19.2 J	10 U	33.8 J	150 J	10 U	27.2 J	10 U	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1-Dichloroethene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1-Dichloropropene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1,1-Trichloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1,1,2-Tetrachloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1,2-Trichloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,1,2,2-Tetrachloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2-Dibromo-3-chloropropane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2-Dibromoethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2-Dichlorobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--
1,2-Dichloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2-Dichloropropane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2,3-Trichlorobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2,3-Trichloropropane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,2,4-Trichlorobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--
1,2,4-Trimethylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,3-Dichlorobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--
1,3-Dichloropropane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,3,5-Trimethylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
1,4-Dichlorobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	70 U	--	--	--	--
2,2-Dichloropropane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--
2,4,6-Trichlorophenol	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
4-Isopropyltoluene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	100 U	120 U	290 U	130 U	100 U	--	--	--	100 U	96 U	--	140 U	91 U	--	130 U	--
Acrylonitrile	ug/kg	50 U	--	150 U	65 U	52 U	56 U	60 U	--	52 U	48 U	--	70 U	45 U	--	63 U	--
Benzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
bis (2-chloroethyl) ether	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
bis (2-chloroisopropyl) ether	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Bromobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Bromochloromethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Bromodichloromethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Bromoform	ug/kg	5 U	--	15 U	6.5 U	5.2 UJ	5.6 U	6 UJ	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Bromomethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Carbon disulfide	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Carbon tetrachloride	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Chloro methane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Chlorobenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Chloroethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18
	SAMPLE	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016
	SAMPLE TOP DEPTH (FT)	49	59	69	79	89	9	59	0	2	5	0	2	5	9	9	0
	SAMPLE BOTTOM DEPTH (FT)	50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	50	60	70	80	90	10	60	0.5	3	6	0.5	3	6	10	10	0.5
	SAMPLE TYPE						Field Duplicate	Field Duplicate								Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
cis-1,2-Dichloroethene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
cis-1,3-Dichloropropene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	7 U	--	--	--	--
Dibromochloromethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Dibromomethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Dichlorodifluoromethane	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Ethyl- benzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Hexachlorobutadiene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	660 U	--	--	--	--	--
Isophorone	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
Isopropylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	7 U	--	--	--	--
Methyl ethyl ketone	ug/kg	50 U	--	150 U	65 U	52 U	56 U	60 U	--	52 U	48 U	--	70 U	45 U	--	63 U	--
Methyl isobutyl ketone	ug/kg	50 U	--	150 U	65 U	52 U	56 U	60 U	--	52 U	48 U	--	70 U	45 U	--	63 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	7 U	--	--	--	--
Methylene chloride	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
N-Butylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
N-Propylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Nitrobenzene	ug/kg	360 U	350 U	350 U	350 U	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--
p-Chlorotoluene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
sec-Butylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Styrene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
tert-Butylbenzene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Tetrachloroethene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Toluene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
trans-1,2-Dichloroethene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
trans-1,3-Dichloropropene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Trichloroethene	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Vinyl chloride	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Xylene, m,p-	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Xylene, o-	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--
Xylenes, total	ug/kg	5 U	--	15 U	6.5 U	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116
	DATE	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	39	49	59	69	79	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	40	50	60	70	80	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6	10
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	4.7 J	3.5 J	3.5 J	--	--	--	--	--	--	--	--	--	80	14000	1100	3300
1,2,3,4,6,7,8-HpCDF	ng/kg	0.2 U	0.13 U	0.2 U	--	--	--	--	--	--	--	--	--	4.5 J	2200	79	170
1,2,3,4,7,8-HxCDD	ng/kg	0.092 U	0.09 U	0.073 U	--	--	--	--	--	--	--	--	--	0.82 U	130	4.3 J	17
1,2,3,4,7,8-HxCDF	ng/kg	0.093 U	0.12 U	0.31 U	--	--	--	--	--	--	--	--	--	0.35 U	320	2.1 U	15 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.049 U	0.16 U	0.25 U	--	--	--	--	--	--	--	--	--	0.23 U	41 U	3.7 U	25
1,2,3,6,7,8-HxCDD	ng/kg	0.091 U	0.089 U	0.079 U	--	--	--	--	--	--	--	--	--	3.3 J	770	31	120
1,2,3,6,7,8-HxCDF	ng/kg	0.086 U	0.11 U	0.29 U	--	--	--	--	--	--	--	--	--	0.33 U	24 U	1.9 U	14 U
1,2,3,7,8-PeCDD	ng/kg	0.085 U	0.041 U	0.063 U	--	--	--	--	--	--	--	--	--	0.41 U	63	1.5 U	7.8 J
1,2,3,7,8-PeCDF	ng/kg	0.14 U	0.048 U	0.044 U	--	--	--	--	--	--	--	--	--	0.27 U	2.7 U	0.8 U	3 J
1,2,3,7,8,9-HxCDD	ng/kg	0.086 U	0.084 U	0.075 U	--	--	--	--	--	--	--	--	--	1.5 U	350	10 J	45
1,2,3,7,8,9-HxCDF	ng/kg	0.11 U	0.5 U	0.36 U	--	--	--	--	--	--	--	--	--	0.41 U	30 U	2.4 U	18 U
2,3,4,6,7,8-HxCDF	ng/kg	3.3 U	0.57 U	0.87 U	--	--	--	--	--	--	--	--	--	41 U	12000 U	360 U	2600 U
2,3,4,7,8-PeCDF	ng/kg	0.15 U	0.052 U	0.047 U	--	--	--	--	--	--	--	--	--	0.29 U	36	0.86 U	17
2,3,7,8-TCDD	ng/kg	0.062 U	0.079 U	0.075 U	--	--	--	--	--	--	--	--	--	0.1 U	3.1 J	0.13 U	0.97 U
2,3,7,8-TCDF	ng/kg	0.24 U	0.24 U	0.14 U	--	--	--	--	--	--	--	--	--	0.31 U	0.91 U	0.58 U	0.59 U
OCDD	ng/kg	49	13 J	23 J	--	--	--	--	--	--	--	--	--	450	240000	16000	43000
OCDF	ng/kg	0.97 J	0.39 J	0.12 U	--	--	--	--	--	--	--	--	--	11 J	6500	230	300
TEQ Avian	ng/kg	0.47	0.29	0.27	--	--	--	--	--	--	--	--	--	3	850	25	170
TEQ Human	ng/kg	0.37	0.2	0.23	--	--	--	--	--	--	--	--	--	3.9	1100	41	210
TEQ Mammals	ng/kg	0.37	0.2	0.23	--	--	--	--	--	--	--	--	--	3.9	1100	41	210
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U	2.4 UJ	2.6 U	2.3 U	2.5 U	--	2.1 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	2.9	1.5	3.5	--	3.4	2.5	3.3	4.6	5.6	2.8	3.2	3.2	7.8	1.9	3.5	3.8
Barium	mg/kg	150	83	55	--	110	59	96	66 J	84	72	41	94 J	86	89	74	110
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.22 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.24 U	0.26 U	0.23 U	0.25 U	--	1.3	22	4.9	22
Chromium, total	mg/kg	26	110	41	--	50	29	42	33 J	27	21	28	50	1400	23	680	2100
Cobalt	mg/kg	9.4	7	12	12	14	8.9	12	11	10	9.1	9	--	5.7	6.6	5.7	6.1
Copper	mg/kg	20	8.5	17	--	21	22	19	19	16	13	17	25 J	10	8.8	9.9	18
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.5	2.1	2.6	--	3.6	2	2.9	4.2	5.6	2.5	2.1	3.5	3.5	1.8	1.8	2.4
Mercury	mg/kg	0.27	0.3	0.34	0.35	0.33	0.29	0.29	0.27	0.31	0.12 U	0.13 U	--	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1.1	1.1 U	1 U	1 U
Nickel	mg/kg	21	13	27	--	41	23	28	28	22	16	22	40	7.7	16	8.9	9.2
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 UJ	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.2 U	2.4 U	2.6 U	2.3 U	2.5 U	--	2.1 U	2.1 U	2.1 U	2 U
Vanadium	mg/kg	38	26	47	--	53	33	50	47	44	37	37	48	34	26	32	37
Zinc	mg/kg	40	130	43	--	49	33	44	46 J	54	41	37	44	160	34	87	120
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116
	DATE	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	39	49	59	69	79	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	40	50	60	70	80	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6	10
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1221	ug/kg	36 U	--	--	--	--	--	--	--	--	--	--	--	35 U	35 U	--	--
Aroclor 1232	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1242	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1248	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1254	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1260	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	9 U	--	--	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116
	DATE	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
	SAMPLE TOP DEPTH (FT)	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	15	20	30	40	50	60	70	80	15	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6	10
	SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116
	DATE	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	39	49	59	69	79	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	40	50	60	70	80	15	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6	10
	SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116
	DATE	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
	SAMPLE TOP DEPTH (FT)	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	15	20	30	40	50	60	70	80	15	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6	10
	SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6
	DATE	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		14	19	19	29	39	49	59	69	79	0	2	5	9	1	2	5
SAMPLE BOTTOM DEPTH (FT)		15	20	20	30	40	50	60	70	80	0.5	3	6	10	1.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	30	40	50	60	70	80	0.5	3	6	10	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	1100 J	25 J	--	--	--	--	--	--	--	--	--	--	--	170	63	2200
1,2,3,4,6,7,8-HpCDF	ng/kg	100 J	2.4 UJ	--	--	--	--	--	--	--	--	--	--	--	10 J	3.1 J	220
1,2,3,4,7,8-HxCDD	ng/kg	6.4 UJ	0.11 UJ	--	--	--	--	--	--	--	--	--	--	--	1.1 U	1.7 U	23
1,2,3,4,7,8-HxCDF	ng/kg	6.2 UJ	0.11 UJ	--	--	--	--	--	--	--	--	--	--	--	0.44 U	0.62 U	16 U
1,2,3,4,7,8,9-HpCDF	ng/kg	9.1 J	2.8 UJ	--	--	--	--	--	--	--	--	--	--	--	0.9 U	0.5 U	16
1,2,3,6,7,8-HxCDD	ng/kg	40 J	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--	7 J	3.7 J	100
1,2,3,6,7,8-HxCDF	ng/kg	9.1 UJ	0.24 UJ	--	--	--	--	--	--	--	--	--	--	--	0.6 U	0.81 U	15 U
1,2,3,7,8-PeCDD	ng/kg	3 J	0.079 UJ	--	--	--	--	--	--	--	--	--	--	--	0.87 U	1.5 U	20
1,2,3,7,8-PeCDF	ng/kg	1.9 UJ	0.087 UJ	--	--	--	--	--	--	--	--	--	--	--	0.31 U	0.33 U	8 J
1,2,3,7,8,9-HxCDD	ng/kg	12 J	0.27 UJ	--	--	--	--	--	--	--	--	--	--	--	2.6 U	3.9 J	69
1,2,3,7,8,9-HxCDF	ng/kg	7.1 UJ	0.13 UJ	--	--	--	--	--	--	--	--	--	--	--	0.51 U	0.19 U	19 U
2,3,4,6,7,8-HxCDF	ng/kg	700 UJ	29 UJ	--	--	--	--	--	--	--	--	--	--	--	33 U	20 U	690 U
2,3,4,7,8-PeCDF	ng/kg	5.6 J	0.13 UJ	--	--	--	--	--	--	--	--	--	--	--	0.33 U	0.36 U	3.5 U
2,3,7,8-TCDD	ng/kg	0.48 UJ	0.07 UJ	--	--	--	--	--	--	--	--	--	--	--	0.44 U	0.18 U	1.2 J
2,3,7,8-TCDF	ng/kg	0.9 J	0.046 UJ	--	--	--	--	--	--	--	--	--	--	--	0.44 U	0.15 U	2.6 U
OCDD	ng/kg	15000 J	340 J	--	--	--	--	--	--	--	--	--	--	--	1100	670	24000
OCDF	ng/kg	120 J	1.7 J	--	--	--	--	--	--	--	--	--	--	--	25	9.3 J	380
TEQ Avian	ng/kg	51	1.7	--	--	--	--	--	--	--	--	--	--	--	3.4	2.8	78
TEQ Human	ng/kg	63	2	--	--	--	--	--	--	--	--	--	--	--	5.5	3.7	110
TEQ Mammals	ng/kg	63	2	--	--	--	--	--	--	--	--	--	--	--	5.5	3.7	110
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	8.68	9.01	9.04	8.41	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	--	--	--
Arsenic	mg/kg	1.6	5.2	--	2.4	2.5	2.7	2.7	3.6	2.5	4.7	2.6	3.2	1 U	--	--	--
Barium	mg/kg	67	--	64	33	22	87	66	130	85	110	110	120	130	--	--	--
Beryllium	mg/kg	1 U	1.1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--
Cadmium	mg/kg	1 U	1.1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	6.8	0.21 U	--	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.4 U	0.4 U	0.4 U	22.8	--	--	--
Chromium, total	mg/kg	240	--	31 J	19	16	32	29	22	16	26	36	44	2000	--	--	--
Cobalt	mg/kg	6.3	--	8.5	9.1	7.1	11	8.9	9.2	8.2	7.3	9.3	8.9	10	--	--	--
Copper	mg/kg	23	12	--	59	14	28	16	17	10	22	10	12	15	--	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.6	3.3	--	1.8	1.7	2.2	2.5	2.6	1.6	6.5	3.7	6.1	4	--	--	--
Mercury	mg/kg	0.1 U	0.11 U	--	0.11 U	0.1 U	0.1 U	0.24	0.23	0.27	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--
Molybdenum	mg/kg	1 U	1.1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	3	2.8	--	--	--
Nickel	mg/kg	9.7	--	19	20	16	23	18	18	14	14	15	16	16	--	--	--
Selenium	mg/kg	1 U	1.1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--
Silver	mg/kg	1 U	1.1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--
Thallium	mg/kg	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	--	--	--
Vanadium	mg/kg	27	--	38	34	29	43	34	36	31	35	33	33	41	--	--	--
Zinc	mg/kg	150	120	--	35	33	40	38	38	34	37	38	38	100	--	--	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6
	DATE	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		14	19	19	29	39	49	59	69	79	0	2	5	9	1	2	5
SAMPLE BOTTOM DEPTH (FT)		15	20	20	30	40	50	60	70	80	0.5	3	6	10	1.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	30	40	50	60	70	80	0.5	3	6	10	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	5.8 U	5.9 U	5.8 U	6 U	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6
	DATE	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		14	19	19	29	39	49	59	69	79	0	2	5	9	1	2	5
SAMPLE BOTTOM DEPTH (FT)		15	20	20	30	40	50	60	70	80	0.5	3	6	10	1.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	30	40	50	60	70	80	0.5	3	6	10	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	4.4 U	5 U	5.2 U	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	690 U	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	690 U	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6
	DATE	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		14	19	19	29	39	49	59	69	79	0	2	5	9	1	2	5
SAMPLE BOTTOM DEPTH (FT)		15	20	20	30	40	50	60	70	80	0.5	3	6	10	1.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	30	40	50	60	70	80	0.5	3	6	10	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	12.4	10 U	10 U	10 U	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	0.98 U	0.92 U	1 U	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	13.1	12.6	15	10 U	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	88 U	100 U	120 U	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6
	DATE	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		14	19	19	29	39	49	59	69	79	0	2	5	9	1	2	5
SAMPLE BOTTOM DEPTH (FT)		15	20	20	30	40	50	60	70	80	0.5	3	6	10	1.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	30	40	50	60	70	80	0.5	3	6	10	0.5	3	6
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	49	59	69	79	14	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	50	60	70	80	15	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	50	60	70	80	15	0.5	3	6	10	15	20
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	13000	1900	4.8 J	--	--	--	--	--	--	--	10000	19000	1600	130	31	12 J
1,2,3,4,6,7,8-HpCDF	ng/kg	1500	160	0.16 U	--	--	--	--	--	--	--	1100	320 U	21	0.95 U	0.2 U	0.087 U
1,2,3,4,7,8-HxCDD	ng/kg	75	11 J	0.079 U	--	--	--	--	--	--	--	12 U	160	27	0.64 U	0.18 U	0.11 U
1,2,3,4,7,8-HxCDF	ng/kg	350	140 U	0.21 U	--	--	--	--	--	--	--	28	89	1.9 U	0.21 U	0.17 U	0.074 U
1,2,3,4,7,8,9-HpCDF	ng/kg	150	7.6 U	0.19 U	--	--	--	--	--	--	--	49 J	410 U	10 U	0.39 U	0.23 U	0.34 U
1,2,3,6,7,8-HxCDD	ng/kg	730	67	0.068 U	--	--	--	--	--	--	--	130 J	1000	30	2.6 U	0.15 U	0.47 U
1,2,3,6,7,8-HxCDF	ng/kg	59	130 U	0.18 U	--	--	--	--	--	--	--	9.3 U	150	1.8 U	0.19 U	0.15 U	0.15 U
1,2,3,7,8-PeCDD	ng/kg	31	2.5 U	0.047 U	--	--	--	--	--	--	--	2.6 U	92	0.67 U	0.082 U	0.077 U	0.13 U
1,2,3,7,8-PeCDF	ng/kg	2.5 U	0.8 U	0.069 U	--	--	--	--	--	--	--	7.9 U	61 U	5.2 U	0.21 U	0.091 U	0.066 U
1,2,3,7,8,9-HxCDD	ng/kg	170	21	0.069 U	--	--	--	--	--	--	--	12 U	350	8.4 J	1.2 U	0.16 U	0.092 U
1,2,3,7,8,9-HxCDF	ng/kg	36	160 U	0.24 U	--	--	--	--	--	--	--	12 U	38 U	2.2 U	0.24 U	0.2 U	0.084 U
2,3,4,6,7,8-HxCDF	ng/kg	11000 U	1300 U	2.7 U	--	--	--	--	--	--	--	220 U	6500 U	260 U	0.21 U	3.7 U	1.6 U
2,3,4,7,8-PeCDF	ng/kg	75	12 J	0.069 U	--	--	--	--	--	--	--	7.9 J	66 U	5.6 U	0.22 U	0.21 U	0.077 U
2,3,7,8-TCDD	ng/kg	4.6 J	0.46 U	0.034 U	--	--	--	--	--	--	--	0.69 J	3.5 J	0.28 U	0.062 U	0.05 U	0.058 U
2,3,7,8-TCDF	ng/kg	0.5 U	0.39 U	0.066 U	--	--	--	--	--	--	--	1.3 U	6.8 U	0.26 U	0.11 U	0.084 U	0.066 U
OCDD	ng/kg	160000	46000	71 U	--	--	--	--	--	--	--	140000	2.00E+05	12000	500	110 B	110 B
OCDF	ng/kg	5700	200	0.57 U	--	--	--	--	--	--	--	13000	10000	44	1.3 U	1.1 J	1.3 U
TEQ Avian	ng/kg	780	110	0.29	--	--	--	--	--	--	--	65	580	23	0.57	0.48	0.3
TEQ Human	ng/kg	950	140	0.29	--	--	--	--	--	--	--	190	870	41	1.8	0.68	0.39
TEQ Mammals	ng/kg	950	140	0.29	--	--	--	--	--	--	--	190	870	41	1.8	0.68	0.39
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2.1 U	--	--	--	--	--	2.1 U	2 U
Arsenic	mg/kg	--	1.9	2.2	2	2.4	2.3	2.1	1.9	2.5	--	--	--	--	--	1.9	1 U
Barium	mg/kg	--	--	--	--	29	28	32	56	100	76	--	--	--	--	64	77
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	8.9	--	--	0.21 U	0.22 U	0.21 U	0.2 U	0.21 U	--	--	--	--	--	0.5	0.3
Chromium, total	mg/kg	--	--	23	--	18	15	21	23	27	--	--	--	--	--	19	16
Cobalt	mg/kg	--	--	--	--	8.6	8.6	7.7	9.4	10	9.7	--	--	--	--	7.5	7.4
Copper	mg/kg	--	--	--	--	13	8	38	10	11	9.9	--	--	--	--	13	8.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	1.7	2	1.2	1.2	1.7	2.2	--	--	--	--	1.4	1 U
Mercury	mg/kg	--	0.1 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U
Nickel	mg/kg	--	13	13	--	13	13	15	14	16	--	--	--	--	--	10	9.1
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U
Thallium	mg/kg	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2.1 U	--	--	--	--	--	2.1 U	2 U
Vanadium	mg/kg	--	--	--	--	32	31	29	34	39	32	--	--	--	--	31	29
Zinc	mg/kg	--	--	--	--	36	37	32	34	41	98	--	--	--	--	78	69
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	49	59	69	79	14	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	50	60	70	80	15	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	50	60	70	80	15	0.5	3	6	10	15	20
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	49	59	69	79	14	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	50	60	70	80	15	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	50	60	70	80	15	0.5	3	6	10	15	20
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	49	59	69	79	14	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	50	60	70	80	15	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	50	60	70	80	15	0.5	3	6	10	15	20
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	49	59	69	79	14	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	50	60	70	80	15	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	50	60	70	80	15	0.5	3	6	10	15	20
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159
	DATE	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	79	79	0	0	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	80	80	1	1	1	1	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	240 J	--	47000 J	140000	340	210	59	450 J	46
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	17 J	--	5500 J	1100 U	13	5.6 U	5.4 J	--	3.4 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	1.9 UJ	--	540 UJ	1900	1.9 J	2.5 J	0.39 U	--	0.25 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	2.7 UJ	--	150 J	400 U	0.89 U	0.85 U	0.85 U	2 U	0.13 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	1.1 UJ	--	71 UJ	1400 U	1.8 U	1.3 U	0.42 U	--	0.6 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	6.1 J	--	1600 J	14000	7.8 J	6.1 J	1.7 J	--	0.25 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	2.3 UJ	--	260 J	1600	0.82 U	0.79 U	1.1 U	1.8 U	0.12 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	0.36 UJ	--	150 J	910	0.21 U	0.17 U	0.19 U	0.25 U	0.16 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	0.99 UJ	--	80 UJ	92 U	0.35 U	0.53 U	0.16 U	--	0.16 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	2.8 UJ	--	470 UJ	2900	2.5 U	1.9 J	0.49 U	--	0.61 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	3.2 UJ	--	38 UJ	470 U	1 U	1 U	0.4 U	2.3 U	0.15 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	24 UJ	--	4000 UJ	140000 U	71 U	37 U	24 U	--	10 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	0.64 UJ	--	81 UJ	1600	0.38 U	0.57 U	0.18 U	0.79 U	0.51 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	0.26 UJ	--	18 J	67	0.16 U	0.58 U	0.097 U	--	0.27 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	1.5 UJ	--	7.4 J	89	0.22 U	0.65 J	0.14 U	0.62 U	1.2 U
OCDD	ng/kg	--	--	--	--	--	--	--	2100 J	--	360000 J	540000	4400	2200	670	--	390
OCDF	ng/kg	--	--	--	--	--	--	--	31 J	--	5000 J	160000	35	13 J	12 J	75	8.7 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	3.9	--	650	11000	5.4	4.2	1.9	--	1.7
TEQ Human	ng/kg	--	--	--	--	--	--	--	6.2	--	1300	12000	9.9	6.4	2.6	--	1.5
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	6.2	--	1300	12000	9.9	6.4	2.6	--	1.5
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	2 U	2 U	2 U	18	2.4	2.1 U	2.1 U	--	--
Arsenic	mg/kg	2.5	2.3	2.6	3.1	2.6	--	3.4	3.6	2.7	3.5	14	2.7	2.5	3.1	--	--
Barium	mg/kg	50	35	26	45	54	330 J	--	140	120	170	210	53	30	24	--	--
Beryllium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	--	0.2 U	0.36	1.6	42	9.5	2.3	0.21 U	--	--
Chromium, total	mg/kg	16	14	14	22	23	19	--	18	23	55	2000	450	200	17	--	--
Cobalt	mg/kg	8	8.1	7.7	9.6	9.2	7.6	--	--	7.2	7.1	7.6	8.5	7.4	8.5	--	--
Copper	mg/kg	11	7.9	9	12	10	16	--	12	11	13	12	13	14	11	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	0.00038	0.0024	0.0023	--	--	--	--	--	--
Lead	mg/kg	1.3	1.3	1.5	1.7	1.5	--	1.3	6.5	7.5	6.5	4.4	1.6	1.6	2.1	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	--	--
Molybdenum	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1.1 U	--	1 U	1 U	1 U	20	1.1 U	1.1 U	1.1 U	--	--
Nickel	mg/kg	12	11	12	17	17	15	--	13	14	15	12	18	12	12	--	--
Selenium	mg/kg	1 UJ	1 U	1 U	1.1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--
Silver	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--
Vanadium	mg/kg	28	29	27	32	34	29	--	26	31	29	38	35	29	29	--	--
Zinc	mg/kg	34	37	33	41	40	--	35	33	39	44	60	200	170	37	--	--
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159
	DATE	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	79	79	0	0	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	80	80	1	1	1	1	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	29000	23000	28000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	15000	18000	17000	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	7100	7000	7600	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	230	220	220	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2300	2200	2300	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	350	410	890	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	34 U	34 U	34 U	34 U	35 U	35 U	35 U	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	150	25	57	46 J	18 U	18 U	18 U	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	150	25	57	46	9 U	9 U	9 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159
	DATE	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	79	79	0	0	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	80	80	1	1	1	1	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159
	DATE	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	79	79	0	0	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	80	80	1	1	1	1	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159
	DATE	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	69	79	79	0	0	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	70	80	80	1	1	1	1	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29
	SAMPLE	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176
	DATE	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	0	2	5	9	14	19	0	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	410	11 J	1.9 J	0.19 U	--	210	34	150	1.8 U	0.28 U	1.1 U	150	33	--	240 J	4700
1,2,3,4,6,7,8-HpCDF	ng/kg	61	2.8 U	0.64 U	0.37 U	70	22	2.7 U	17	0.36 U	0.14 U	0.45 U	--	6.4 J	15	21	250
1,2,3,4,7,8-HxCDD	ng/kg	1.4 U	0.57 U	0.11 U	0.13 U	2.1 J	1.1 U	0.42 U	0.63 U	0.081 U	0.21 J	0.048 U	--	0.27 U	0.43 U	1.2 U	61
1,2,3,4,7,8-HxCDF	ng/kg	1.4 U	0.66 J	0.11 U	0.086 U	--	0.42 U	0.42 U	1.8 U	0.071 U	0.24 U	0.093 U	0.2 U	0.35 U	--	1.6 J	20
1,2,3,4,7,8,9-HpCDF	ng/kg	8.3 J	2 U	0.45 U	0.12 U	5.7 J	4.4 U	0.23 U	2.6 U	0.064 U	0.62 U	0.37 U	1.9 U	0.7 U	--	1.7 U	25
1,2,3,6,7,8-HxCDD	ng/kg	14	0.48 U	0.1 U	0.13 U	21	0.37 U	1.1 J	4.2 J	0.08 U	0.27 U	0.047 U	--	1.3 J	3.5 J	8.1 J	240
1,2,3,6,7,8-HxCDF	ng/kg	5.6 J	0.49 U	0.096 U	0.078 U	--	2.3 U	0.1 U	1.6 U	0.065 U	0.057 U	0.085 U	--	0.18 U	0.46 U	0.92 U	18
1,2,3,7,8-PeCDD	ng/kg	0.68 U	0.33 J	0.1 U	0.12 U	--	0.53 U	0.13 U	0.92 U	0.11 U	0.08 U	0.092 U	--	0.32 U	0.13 U	0.62 U	39
1,2,3,7,8-PeCDF	ng/kg	3.2 U	0.47 J	0.11 U	0.12 U	0.38 U	2.1 U	0.18 U	0.53 U	0.093 U	0.072 U	0.033 U	0.2 U	0.3 U	--	0.93 U	7.4 J
1,2,3,7,8,9-HxCDD	ng/kg	2.6 U	0.99 J	0.14 U	0.15 U	4 J	3 J	0.74 J	2 J	0.26 U	0.078 U	0.075 U	--	0.87 J	0.42 U	2.8 J	110 U
1,2,3,7,8,9-HxCDF	ng/kg	1.7 U	1.2 U	0.19 U	0.5 U	--	1.2 U	0.13 U	2.1 U	0.17 U	0.42 U	0.11 U	0.3 U	0.22 U	--	0.34 U	4.6 J
2,3,4,6,7,8-HxCDF	ng/kg	420 U	1.7 U	0.5 U	0.68 U	140 U	78 U	5.9 U	44 U	0.69 U	0.2 U	0.096 U	25 U	8.7 U	--	49 U	3400 U
2,3,4,7,8-PeCDF	ng/kg	3.3 U	0.17 U	0.11 U	0.12 U	--	0.4 U	0.18 U	0.51 U	0.098 U	0.075 U	0.15 U	0.21 U	0.56 U	--	1.1 U	7.1 J
2,3,7,8-TCDD	ng/kg	0.12 U	0.11 U	0.084 U	0.12 U	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U	0.17 U	0.09 U	--	0.061 U	0.071 U	0.15 U	0.16 U
2,3,7,8-TCDF	ng/kg	0.77 J	0.74 J	0.31 U	0.45 U	--	0.28 U	0.6 U	0.59 U	0.27 J	0.69 U	0.29 U	--	0.17 U	0.1 U	0.57 U	2 J
OCDD	ng/kg	7100	80	20 J	11 J	8000 J	2100	250	1600	22 U	9.9 U	12 U	1000	230	--	2400	48000 J
OCDF	ng/kg	120	4.2 U	0.26 U	1 U	--	56	4.6 U	35	0.78 U	1.3 U	0.76 U	--	11 U	59	56 J	320
TEQ Avian	ng/kg	27	1.7	0.37	0.49	12	5.9	1	4.3	0.5	0.58	0.34 U	2.2	1.3	--	5	250
TEQ Human	ng/kg	31	1	0.22	0.26	26	7.9	1.1	5.9	0.24	0.26	0.17 U	3.8	1.5	--	7.8	320
TEQ Mammals	ng/kg	31	1	0.22	0.26	26	7.9	1.1	5.9	0.24	0.26	0.17 U	3.8	1.5	--	7.8	320
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	2 U	--	2 U	13
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.4	1.9	1 U	7.2
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	140	97	--	70	89
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.2	1.4	1.5	1.1
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	--	0.2 U	17
Chromium, total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	13	16	19	1100
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.6	7.7	7.3	5.6
Copper	mg/kg	--	--	--	--	--	--	--	--	--	--	--	9.1	8.3	--	8.5	8.7
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.6	3	--	1.2	2.3
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U	--	1 U	1.2
Nickel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	9.7	8.3	--	9.9	8
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 UJ	1 UJ	--	1 UJ	1 UJ
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 UJ	1 UJ	--	1 UJ	1 UJ
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2 UJ	2 UJ	--	2 UJ	2.1 UJ
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	24	28	33	29
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	31	34	28 J	41
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29
	SAMPLE	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176
	DATE	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	0	2	5	9	14	19	0	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	8200	--	--	6700	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	21000	--	--	14000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.2 UJ	--	--	0.2 UJ	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	21000	--	--	24000 J	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	6100	--	--	5200	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	240	--	--	220	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	3500	--	--	2400	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	180	--	--	150	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	2 U	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	1 U	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	5.1 U	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	50 U	--	--	51 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	33 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	8.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	340 U	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	340 U	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	340 U	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	340 U	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	31	--	--	390 U	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	26	--	--	340 U	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	21	--	--	340 U	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	38	--	--	340 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29
	SAMPLE	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176
	DATE	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	0	2	5	9	14	19	0	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	14	--	--	340 U	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	12	--	--	340 U	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20	--	--	340 U	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	340 U	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	36	--	--	340 U	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	340 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	12	--	--	340 U	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	6.8 U	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	211	--	--	0	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	7.4	--	--	0	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	7.4	--	--	340 U	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	32	--	--	340 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--	710 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--	710 U	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--	710 U	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	670 U	--	--	670 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	670 U	--	--	670 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	670 U	--	--	670 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--	710 U	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--	710 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	710 UJ	--	--	710 U	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	670 U	--	--	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 UJ	--	--	340 U	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29
	SAMPLE	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176
	DATE	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	0	2	5	9	14	19	0	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	57 U	--	--	68 U	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	57 U	--	--	68 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	110 U	--	--	140 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	57 U	--	--	68 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29
	SAMPLE	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176
	DATE	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017
SAMPLE TOP DEPTH (FT)		5	9	14	19	0	0	2	5	9	14	19	0	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	20	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3
SAMPLE TYPE						Field Duplicate									Field Duplicate		
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	670 UJ	--	--	670 U	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 UJ	--	--	6.8 UJ	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	57 U	--	--	68 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	57 U	--	--	68 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	340 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4
	SAMPLE	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025
	DATE	2/16/2017	2/16/2017	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	79	79	2	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
SAMPLE TYPE					Field Duplicate									Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	400	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	29	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	3.2 J	1.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	2.9 U	2.4 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	2.7 J	2.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	14	9.2 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	1.6 U	0.64 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	1.8 U	0.94 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.68 U	0.16 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	7 J	3.8 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.27 U	0.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	190 U	130 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	1.3 J	0.45 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.11 U	0.13 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.59 J	0.39 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	4700	6200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	48	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	15	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	19	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	19	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	8.37	8.85	8.36	9.2	9.45	9.5	9.36	9.35	9.3	9.01	8.58	--	--	8.99
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.6	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.2 U	--	2 UJ
Arsenic	mg/kg	1.6	1 U	2.7	2.8	1 U	3	5.6	10	5.3	5.6	5.3	5.2	--	6.6	--	2.9
Barium	mg/kg	73	54	94	--	140	60	250	59	45	63	99	64	--	350	130	75
Beryllium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U
Cadmium	mg/kg	1.2	1.2	1 U	--	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	5.6	1.4	0.41 U	0.41 U	22.7	1.6 J	0.42 U	0.42 U	0.42 U	0.41 U	0.42 U	0.42 U	--	0.43 U	--	0.4 U
Chromium, total	mg/kg	270	98	28	--	1300	96	20	21	22	25	38	29	21	--	41	17
Cobalt	mg/kg	7.2	7.2	9.9	--	8.9	9.4	9.1	8.8	8.6	9.8	9.6	9.9	--	8.3	9.2	5.6
Copper	mg/kg	11	13	11	--	11	11	10	15	8.5	12	14	14	15	--	9.4	6.8
CR6 SPLP	mg/L	--	--	--	--	0.011 J	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1 U	1.1	3.9	2.9	3.8	2.7	2.9	2.4	2.7	3.2	3	2.6	--	3.1	--	2.6
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	--	4.2	1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1	2.1 U	1.3	--	1.5	1 U
Nickel	mg/kg	11	9.7	15	--	12	18	13	16	14	17	20	19	--	14	16	9.5
Selenium	mg/kg	1 UJ	1 UJ	1 U	--	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--	1.1 U	1 U	1 U
Silver	mg/kg	1 UJ	1 UJ	1 U	--	1 U	1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U
Thallium	mg/kg	2.1 UJ	2.1 UJ	2 U	2 U	2.1 U	2.1 U	4.1 U	11 U	4.2 U	4.3 U	4.1 U	4.2 U	2.3 U	--	--	2 U
Vanadium	mg/kg	26	27	37	--	37	32	34	32	31	35	37	38	--	35	35	34
Zinc	mg/kg	33	140	33	--	78	140	39	38	35	39	36	38	--	39	38	26
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4
	SAMPLE	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025
	DATE	2/16/2017	2/16/2017	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	79	79	2	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
SAMPLE TYPE					Field Duplicate									Field Duplicate			
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	8100	--	--	--	--	--	--	--	--	--	--	--	--	5900
Calcium	mg/kg	--	--	16000	--	--	--	--	--	--	--	--	--	--	--	--	13000
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Iron	mg/kg	--	--	21000	--	--	--	--	--	--	--	--	--	--	--	--	21000
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	6400	--	--	--	--	--	--	--	--	--	--	--	--	4900
Manganese	mg/kg	--	--	250	--	--	--	--	--	--	--	--	--	--	--	--	200
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	2500	--	--	--	--	--	--	--	--	--	--	--	--	1700
Sodium	mg/kg	--	--	260 U	--	--	--	--	--	--	--	--	--	--	--	--	190
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--	5 U
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--	50 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	--	--	--	--	--	--	--	34 UJ	33 U
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1254	ug/kg	--	--	18	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U
Total PCBs	ug/kg	--	--	18	--	--	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Acenaphthene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Acenaphthylene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Anthracene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	--	--	5.8 U	--	6 U	6.1 U	6 U	6.1 U	6 U	6.2 U	6 U	6 U	--	6.5 U	5.9 U	5.8 U
Benzo (a) anthracene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Benzo (a) pyrene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Benzo (b) fluoranthene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4
	SAMPLE	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025
	DATE	2/16/2017	2/16/2017	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	79	79	2	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
SAMPLE TYPE					Field Duplicate									Field Duplicate			
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Benzo (k) fluoranthene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Chrysene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Dibenzo (a,h) anthracene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Fluoranthene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Fluorene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Naphthalene	ug/kg	--	--	5 U	4.5 U	4.5 U	5.3 U	4.2 U	5.3 U	5.2 U	4.8 U	5.2 U	4.5 U	4.8 U	--	--	5 U
PAH High molecular weight	ug/kg	--	--	0	--	0	0	0	0	0	0	0	0	--	0	0	0
PAH Low molecular weight	ug/kg	--	--	0	--	0	0	0	0	0	0	0	0	--	0	0	0
Phenanthrene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Pyrene	ug/kg	--	--	5 U	--	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	700 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	700 U
2-Chloro naphthalene	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2-Chlorophenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2-Methylphenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2-Nitroaniline	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	700 U
2,4-Dichlorophenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
3-Nitroaniline	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	670 U	670 U	680 U	690 U	680 U	700 U	690 U	710 U	690 U	690 U	--	740 U	--	660 U
4-Chloroaniline	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
4-Methylphenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
4-Nitroaniline	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1900 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	700 U
Atrazine	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	700 U
Benzaldehyde	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	700 U
Benzoic acid	ug/kg	--	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1900 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	670 U	670 U	680 U	690 U	680 U	700 U	690 U	710 U	690 U	690 U	--	740 U	--	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Butylbenzylphthalate	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Caprolactam	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Di-n-butyl phthalate	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Dibenzofuran	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Diethyl phthalate	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Dimethyl phthalate	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Hexachlorobenzene	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Hexachloroethane	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4
	SAMPLE	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025
	DATE	2/16/2017	2/16/2017	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	79	79	2	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
SAMPLE TYPE					Field Duplicate									Field Duplicate			
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Pentachlorophenol	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
Phenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	0.89 U	1.1 U	0.96 U	0.98 U	0.9 U	1.2 U	1 U	1 U	--	0.88 U	0.96 U	--
TPH as motor oil	mg/kg	--	--	30.4	--	49.7	14.9	10 U	10 U	10 U	10 U	12.9	10 U	--	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	330 U	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U
1,2-Dichloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	330 U	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U
1,3-Dichloropropane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	330 U	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2-Chlorotoluene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
2-Hexanone	ug/kg	--	--	--	45 U	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	1600 U	--	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Acetone	ug/kg	--	--	--	45 U	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--
Acrolein	ug/kg	--	--	--	90 U	90 U	130 U	84 U	130 U	110 U	96 U	110 U	89 U	96 U	--	--	--
Acrylonitrile	ug/kg	--	--	--	45 U	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--
Benzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Bromobenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Bromochloromethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Bromodichloromethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Bromoform	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Bromomethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Carbon disulfide	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Chloro methane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Chlorobenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Chloroethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4
	SAMPLE	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025
	DATE	2/16/2017	2/16/2017	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	79	79	2	0
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	80	80	3	0.5
SAMPLE TYPE					Field Duplicate									Field Duplicate			
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Cyclohexane	ug/kg	--	--	--	4.5 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Dibromomethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Ethyl- benzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Hexachlorobutadiene	ug/kg	--	--	330 U	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U
Isophorone	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
Isopropylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Methyl acetate	ug/kg	--	--	--	4.5 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	45 U	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	45 U	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	4.5 U	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
N-Butylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
N-Propylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Nitrobenzene	ug/kg	--	--	330 U	--	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Styrene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Tetrachloroethene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Toluene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Trichloroethene	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Vinyl chloride	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Xylene, m,p-	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Xylene, o-	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--
Xylenes, total	ug/kg	--	--	--	4.5 U	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7
	SAMPLE	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	13	9	13	15	19	13	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.93	9.08	9.19	9.25	9.6	9.04	9.75	9.52	9.59	--	8.93	9.09	9.26	9.22	8.6	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	1 U	1.8	2.1	2.1	2.4	2.6	--	5.4	4.3	5.8	2.4	2.1	2.6	2.4	3.3	1 U
Barium	mg/kg	130	100	89	95	110	71	58	63	180	--	110	95	81	79	98	97
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	5	1.4	0.42 U	0.41 U	0.41 U	0.87	0.42 U	0.41 U	0.42 U	--	1.3	2.2	0.41 U	0.53	0.4 U	6.5
Chromium, total	mg/kg	870	100	40	23	18	47	21	21	19	--	220	270	32	33	27	630
Cobalt	mg/kg	7.3	7.6	7.5	7.5	7.4	7	8.3	8.1	8.6	--	8.8	8.1	7.7	8.3	8.7	9
Copper	mg/kg	11	10	7.6	7.9	7.1	8.3	--	9.1	11	8	11	12	10	8.6	13	14
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.6	1.8	1.6	1.7	1.7	2.1	--	2.8	3.1	2.9	3.3	2.6	2.6	1.7	6.6	3.6
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.7	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U	1.5	--	1.2	1.9	1 U	1 U	1 U	1.7
Nickel	mg/kg	13	10	9.8	10	11	9.9	13	13	12	--	12	13	13	13	15	15
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	4.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	36	36	31	33	31	28	--	31	32	31	41	39	34	33	37	36
Zinc	mg/kg	72	170	120	110	67	100	--	34	37	44	42	46	29	88	38	130
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7
	SAMPLE	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	13	9	13	15	19	13	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6 U	6 U	6 U	6 U	6 U	6 U	5.9 U	6.1 U	--	5.8 U	5.8 U	5.8 U	5.9 U	11	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5.3	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	6.4	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	8.5	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7
	SAMPLE	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	13	9	13	15	19	13	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	11	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	6.8	5.1 U
Chrysene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	7.5	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	12	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	8.9	5.1 U
Naphthalene	ug/kg	5.1 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	--	0	0	0	0	75.6	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	--	0	0	0	0	6.7	0
Phenanthrene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	6.7	5.1 U
Pyrene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	9.2	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	680 U	680 U	690 U	690 U	680 U	700 U	--	660 U	660 U	670 U	670 U	660 U	680 U
4-Chloroaniline	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	680 U	680 U	680 U	680 U	690 U	690 U	680 U	700 U	--	660 U	660 U	670 U	670 U	660 U	680 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7
	SAMPLE	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
	SAMPLE TOP DEPTH (FT)	2	5	7	9	13	9	13	15	19	13	0	2	5	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
	SAMPLE TYPE										Field Duplicate						
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.1 U	0.97 U	0.99 U	0.88 U	0.97 U	1.2 U	--	1 U	1.4 U	0.9 U	--	0.87 U	1 U	0.87 U	--	0.89 U
TPH as motor oil	mg/kg	17.6	11.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	13
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1-Dichloroethene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1-Dichloropropene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1,1-Trichloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1,2-Trichloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2-Dibromoethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2-Dichlorobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U
1,2-Dichloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2-Dichloropropane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2,3-Trichlorobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2,3-Trichloropropane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,2,4-Trichlorobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U
1,2,4-Trimethylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,3-Dichlorobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U
1,3-Dichloropropane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,3,5-Trimethylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
1,4-Dichlorobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
2-Hexanone	ug/kg	53 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Acetone	ug/kg	53 U	46 U	48 U	46 U	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U
Acrolein	ug/kg	110 U	92 U	96 U	92 U	95 U	99 U	95 U	94 U	110 U	--	--	110 U	110 U	100 U	--	110 U
Acrylonitrile	ug/kg	53 U	46 U	48 U	46 U	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U
Benzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Bromobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Bromochloromethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Bromodichloromethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Bromoform	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Bromomethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Carbon disulfide	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Carbon tetrachloride	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Chloro methane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Chlorobenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Chloroethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7
	SAMPLE	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	13	9	13	15	19	13	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	14	10	14	16	20	14	0.5	3	6	10	0.5	3
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Chloroform	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
cis-1,2-Dichloroethene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
cis-1,3-Dichloropropene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Cyclohexane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Dibromomethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Dichlorodifluoromethane	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Ethyl- benzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Hexachlorobutadiene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Methyl acetate	ug/kg	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	46 U	48 U	46 U	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U
Methyl isobutyl ketone	ug/kg	53 U	46 U	48 U	46 U	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Methylcyclohexane	ug/kg	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
N-Butylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
N-Propylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
sec-Butylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Styrene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
tert-Butylbenzene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Tetrachloroethene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Toluene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
trans-1,2-Dichloroethene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
trans-1,3-Dichloropropene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Trichloroethene	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Vinyl chloride	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Xylene, m,p-	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Xylene, o-	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U
Xylenes, total	ug/kg	5.3 U	4.6 U	4.8 U	4.6 U	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h
	SAMPLE	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.78	9.12	--	8.99	8.87	8.82	10.2	8.75	9.89	9.72	9.59	9.1	9.21	10.2	9.81	8.96
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2 U	2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	1.2	--	2.4	2.9	1.5	1 U	3.9	2.9	5.6	5.8	4.3	4.4	5.3	5.5	4.8	4.5
Barium	mg/kg	100	--	100	86	100	120	39	110	140	45	150	150	180	81	110	53
Beryllium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	2.1 U	1.1 U	2.1 U	5.2 U	2.1 U	2.1 U	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	5.3	0.55	--	0.62	22.3	9.3	0.43 U	0.7	0.42 U	0.42 U	0.43 U	6.6	3.9	0.49 J	2.3	0.42 U
Chromium, total	mg/kg	330	--	51	120	970	1600	15	87	13	26	22	540	1400	50	250	25
Cobalt	mg/kg	8.1	--	8.2	8.2	8.2	9.2	7	8.7	4.5	8.9	9	7.1	8.8	8	9.4	8.3
Copper	mg/kg	20	--	9.2	9.1	11	22	7.1	10	5.9	8.1	11	11	18	12	11	11
CR6 SPLP	mg/L	--	--	--	--	0.0031 J	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.8	--	1.9	4.7	3.5	3.3	2.8	2.9	5	3.1	3.2	8.3	10	3.6	5.4	3.9
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	--	1 U	1 U	2.2	3.2	1.1 U	1.4	1 U	2.1 U	1.1 U	2.1 U	5.2 U	2.1 U	2.1 U	1 U
Nickel	mg/kg	12	--	14 J	14	14	16	11	16	8.6	15	16	15	16	15	18	13
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U
Silver	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	2.1 U	1.1 U	2.1 U	5.2 U	2.1 U	2.1 U	1 U
Thallium	mg/kg	2.1 U	--	2 U	2 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	4.1 U	2.1 U	4.1 U	10 U	4.3 U	4.2 U	2.1 U
Vanadium	mg/kg	35	--	34	38	36	46	28	36	21	34	35	32	39	33	33	32
Zinc	mg/kg	190	--	150	36	160	120	32	37	26	39	38	56	360	53	83	38
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h
	SAMPLE	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate														
ANALYTE	**UNITS**																
Aluminum	mg/kg	--	--	--	--	--	--	--	9400	--	--	--	--	--	--	--	11000
Calcium	mg/kg	--	--	--	--	--	--	--	19000	--	--	--	--	--	--	--	16000
Cyanide	mg/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U
Iron	mg/kg	--	--	--	--	--	--	--	20000	--	--	--	--	--	--	--	17000
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	7600	--	--	--	--	--	--	--	7300
Manganese	mg/kg	--	--	--	--	--	--	--	260	--	--	--	--	--	--	--	210
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2800	--	--	--	--	--	--	--	2400
Sodium	mg/kg	--	--	--	--	--	--	--	270	--	--	--	--	--	--	--	500
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
Endrin	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--	5.2 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	52 U	--	--	--	--	--	--	--	52 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	34 U	--	--	--	--	--	--	--	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U
Total PCBs	ug/kg	--	--	--	--	--	--	--	8.5 U	--	--	--	--	--	--	--	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
Acenaphthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
Anthracene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
B(a)P Equivalent	ug/kg	6 U	--	5.9 U	5.9 U	6 U	6 U	6.2 U	6 U	30 U	6 U	6.1 U	22	9.9	6.2 U	6.2	6 U
Benzo (a) anthracene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	15	5.2 U	5.4 U	5.3 U	5.2 U
Benzo (a) pyrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	15	5.9	5.4 U	5.3 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	19	8	5.4 U	5.3 U	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h
	SAMPLE	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	11	6	5.4 U	5.3 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	20	8.5	5.4 U	5.4	5.2 U
Chrysene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	19	8.5	5.4 U	6.1	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
Fluoranthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	24	12	5.4 U	9.4	5.2 U
Fluorene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	10	5.2 U	5.4 U	5.3 U	5.2 U
Naphthalene	ug/kg	5.2 U	--	4.5 U	5.1 U	5.1 U	5.2 U	5.4 U	5.2 U	6.2 U	5.2 U	4.8 U	5.2 U	5.2 U	5.4 U	16	5.2 U
PAH High molecular weight	ug/kg	0	--	0	0	0	0	0	0	0	0	0	155	59.9	0	29.4	0
PAH Low molecular weight	ug/kg	0	--	0	0	0	0	0	0	0	0	0	5.9	0	0	16	0
Phenanthrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.9	5.2 U	5.4 U	5.3 U	5.2 U
Pyrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	22	11	5.4 U	8.5	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--	730 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--	730 U
2-Chloro naphthalene	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2-Chlorophenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2-Methylphenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--	730 U
2,4-Dichlorophenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
3-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
4-Chloro-3-methylphenol	ug/kg	690 U	--	680 U	670 U	690 U	690 U	720 U	680 U	3500 U	680 U	700 U	690 U	690 U	710 U	700 U	680 U
4-Chloroaniline	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
4-Methylphenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
4-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	8700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--	730 UJ
Atrazine	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--	730 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--	730 UJ
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	8700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
Benzyl alcohol	ug/kg	690 U	--	680 U	670 U	690 U	690 U	720 U	680 U	3500 U	680 U	700 U	690 U	690 U	710 U	700 U	680 U
bis (2-chloroethoxy) methane	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Butylbenzylphthalate	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--	340 UJ
Carbazole	ug/kg	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--	340 U
Di-n-butyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Dibenzofuran	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Diethyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Dimethyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Hexachlorobenzene	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Hexachloroethane	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h
	SAMPLE	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Pentachlorophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1 U	--	0.92 U	--	1.1 U	1 U	1.1 U	--	1.2 U	1 U	0.92 U	--	1.3 U	1.2 UJ	0.93 U	--
TPH as motor oil	mg/kg	10 U	--	10 U	11.7	14.5	19.4	10 U	41.2 J	41.9 J	20.4 J	11.8 J	10 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1-Dichloroethene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1-Dichloropropene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1,1-Trichloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1,1,2-Tetrachloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1,2-Trichloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,1,2,2-Tetrachloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2-Dibromo-3-chloropropane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2-Dibromoethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2-Dichlorobenzene	ug/kg	5.2 U	--	4.5 U	340 U	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U
1,2-Dichloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2-Dichloropropane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2,3-Trichlorobenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2,3-Trichloropropane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,2,4-Trichlorobenzene	ug/kg	5.2 U	--	4.5 U	340 U	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U
1,2,4-Trimethylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,3-Dichlorobenzene	ug/kg	5.2 U	--	4.5 U	340 U	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U
1,3-Dichloropropane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,3,5-Trimethylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
1,4-Dichlorobenzene	ug/kg	5.2 U	--	4.5 U	340 U	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--	340 U
2-Chlorotoluene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	62 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
2,4,5-Trichlorophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
4-Isopropyltoluene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Acetone	ug/kg	52 U	--	45 U	--	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--
Acrolein	ug/kg	100 U	--	89 U	--	100 U	150 U	120 U	--	120 U	110 U	95 U	--	110 U	140 U	93 U	--
Acrylonitrile	ug/kg	52 U	--	45 U	--	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--
Benzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Bromobenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Bromochloromethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Bromodichloromethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Bromoform	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Bromomethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Carbon disulfide	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Carbon tetrachloride	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Chloro methane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Chlorobenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Chloroethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h
	SAMPLE	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Chloroform	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
cis-1,2-Dichloroethene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
cis-1,3-Dichloropropene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	6.2 U	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Dibromomethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Dichlorodifluoromethane	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Ethyl- benzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Hexachlorobutadiene	ug/kg	5.2 U	--	4.5 U	340 U	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	680 U	--	--	--	--	--	--	--	680 U
Isophorone	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
Isopropylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	6.2 U	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	52 U	--	45 U	--	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--
Methyl isobutyl ketone	ug/kg	52 U	--	45 U	--	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	6.2 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
N-Butylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
N-Propylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Nitrobenzene	ug/kg	340 U	--	340 U	340 U	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U
p-Chlorotoluene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
sec-Butylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Styrene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
tert-Butylbenzene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Tetrachloroethene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Toluene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
trans-1,2-Dichloroethene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
trans-1,3-Dichloropropene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Trichloroethene	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Vinyl chloride	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Xylene, m,p-	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Xylene, o-	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--
Xylenes, total	ug/kg	5.2 U	--	4.5 U	--	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020
	DATE	10/7/2008	10/7/2008	10/7/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	7	9	11	13	9	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.37	9.28	9.22	8.68	9.8	10	9.59	9.65	9.64	9.6	--	8.17	9.44	9.53	9.2	9.32
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2 U	2 UJ	2 U
Arsenic	mg/kg	4.4	3.7	3.8	3.1	2.3	6	6	12	5.1	5.5	--	5.1	2.4	2.8	2.4	2.3
Barium	mg/kg	40	23	29	100	100	68	69	120	56	40	--	40	89	92	91	100
Beryllium	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	2.1 U	2.1 U	5.1 U	1 U	1 U	--	2.1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.42 U	--	0.42 U	0.43 U	0.41 U	0.43 U	0.4 U	0.4 U	0.41 U	0.41 U
Chromium, total	mg/kg	17	15	28	27	20	27	23	66	30	28	--	17	17	21	19	19
Cobalt	mg/kg	7.2	7	8	7.4	8	14	9.3	--	12	10	15	7.4	7.6	8.7	8	8.9
Copper	mg/kg	8.9	7.1	8.7	11	9.4	15	11	--	27	31	22	6.3	8.6	7.8	11	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.8	2.5	2.9	3.6	2.3	6.2	3.4	2.8	4	3.8	--	1.8	2.1	2.4	3.9	2.4
Mercury	mg/kg	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	1 U	1.1 U	1.1	2.1 U	2.1 U	5.1 U	1 U	1 U	--	2.1 U	1 U	1 U	1	1 U
Nickel	mg/kg	13	11	13	13	11	17	18	45	23	21	--	11	12	15	11	12
Selenium	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	2.1 U	2.1 U	5.1 U	1 U	1 U	--	2.1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.2 U	4.1 U	10 U	2.1 U	2.1 U	--	4.3 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	30	26	29	33	38	37	36	--	40	39	52	25	30	31	36	33
Zinc	mg/kg	34	39	58	40	34	45	39	--	40	40	47	33	34	36	35	35
Metals CLP																	

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Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020
	DATE	10/7/2008	10/7/2008	10/7/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	7	9	11	13	9	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	8700	--	--	--	--	--	--	--	--	--	--	7900	--
Calcium	mg/kg	--	--	--	15000	--	--	--	--	--	--	--	--	--	--	14000	--
Cyanide	mg/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
Iron	mg/kg	--	--	--	18000	--	--	--	--	--	--	--	--	--	--	23000 J	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	6600	--	--	--	--	--	--	--	--	--	--	6800	--
Manganese	mg/kg	--	--	--	270	--	--	--	--	--	--	--	--	--	--	280	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2800	--	--	--	--	--	--	--	--	--	--	2800 J	--
Sodium	mg/kg	--	--	--	290	--	--	--	--	--	--	--	--	--	--	280 U	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
4,4-DDE	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
4,4-DDT	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
Aldrin	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
alpha-BHC	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
alpha-Chlordane	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
beta-BHC	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
delta-BHC	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
Dieldrin	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
Endo sulfan I	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--	2 U	--
gamma-BHC	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
gamma-Chlordane	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
Heptachlor	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	1 U	--
Methoxy chlor	ug/kg	--	--	--	5.3 U	--	--	--	--	--	--	--	--	--	--	5.1 U	--
Toxaphene	ug/kg	--	--	--	53 U	--	--	--	--	--	--	--	--	--	--	51 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1221	ug/kg	--	--	--	35 U	--	--	--	--	--	--	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1242	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1248	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1254	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1260	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	17 U	--
Total PCBs	ug/kg	--	--	--	8.5 U	--	--	--	--	--	--	--	--	--	--	8.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	6.1 U	6 U	6.1	6 U	6.1 U	6 U	6 U	6 U	6.1 U	--	6.2 U	5.9 U	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U

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Needles, California

	LOCATION	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020
	DATE	10/7/2008	10/7/2008	10/7/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	7	9	11	13	9	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.7	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Fluorene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	4.6 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	5.7	0	0	0	0	0	0	--	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	740 U	--	--	--	--	--	--	--	--	--	--	710 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	740 U	--	--	--	--	--	--	--	--	--	--	710 U	--
2-Chloro naphthalene	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2-Chlorophenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2-Methylphenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	740 U	--	--	--	--	--	--	--	--	--	--	710 U	--
2,4-Dichlorophenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	690 U	700 U	690 U	690 U	690 U	700 U	680 U	680 U	690 U	690 U	--	710 U	670 U	680 U	670 U	670 U
4-Chloroaniline	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
4-Methylphenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	740 U	--	--	--	--	--	--	--	--	--	--	710 U	--
Atrazine	ug/kg	--	--	--	740 U	--	--	--	--	--	--	--	--	--	--	710 U	--
Benzaldehyde	ug/kg	--	--	--	740 U	--	--	--	--	--	--	--	--	--	--	710 UJ	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	690 U	700 U	690 U	690 U	690 U	700 U	680 U	680 U	690 U	690 U	--	710 U	670 U	680 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Butylbenzylphthalate	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	350 U	--	--	--	--	--	--	--	--	--	--	330 UJ	--
Carbazole	ug/kg	--	--	--	350 U	--	--	--	--	--	--	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Dibenzofuran	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Diethyl phthalate	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Dimethyl phthalate	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Hexachlorobenzene	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Hexachloroethane	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020
	DATE	10/7/2008	10/7/2008	10/7/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	7	9	11	13	9	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	17.8	10 U	10 UJ	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	16.2	10 U
TPH as gasoline	mg/kg	0.79 U	1.3 U	1.1 U	--	0.95 U	0.96 U	1.2 U	--	1 U	1.1 U	1.1 U	--	1.5 U	1 U	--	1.1 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	86 J	14.9 J	18.5 J	11.6 J	13.3 J	10 U	10 U	--	10 U	10 U	10 U	168	16.2
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1-Dichloroethene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1-Dichloropropene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1,1-Trichloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1,1,2-Tetrachloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1,2-Trichloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,1,2,2-Tetrachloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2-Dibromo-3-chloropropane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2-Dibromoethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2-Dichlorobenzene	ug/kg	7.7 U	7.6 U	5.8 U	350 U	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U
1,2-Dichloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2-Dichloropropane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2,3-Trichlorobenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2,3-Trichloropropane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,2,4-Trichlorobenzene	ug/kg	7.7 U	7.6 U	5.8 U	350 U	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U
1,2,4-Trimethylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,3-Dichlorobenzene	ug/kg	7.7 U	7.6 U	5.8 U	350 U	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U
1,3-Dichloropropane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,3,5-Trimethylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
1,4-Dichlorobenzene	ug/kg	7.7 U	7.6 U	5.8 U	350 U	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U
1,4-Dioxane	ug/kg	--	--	--	350 U	--	--	--	--	--	--	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
2-Hexanone	ug/kg	77 U	--	--	--	46 U	--	--	--	--	--	--	--	--	--	--	52 U
2,2-Dichloropropane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
4-Isopropyltoluene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Acetone	ug/kg	77 U	76 U	58 U	--	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U
Acrolein	ug/kg	150 U	150 U	120 U	--	91 U	110 U	120 U	110 U	110 U	100 U	--	--	140 U	100 U	--	100 U
Acrylonitrile	ug/kg	77 U	76 U	58 U	--	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U
Benzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Bromobenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Bromochloromethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Bromodichloromethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Bromoform	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Bromomethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Carbon disulfide	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Carbon tetrachloride	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Chloro methane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Chlorobenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Chloroethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020
	DATE	10/7/2008	10/7/2008	10/7/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	7	9	11	13	9	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	8	10	12	14	10	0.5	3	6	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Chloroform	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
cis-1,2-Dichloroethene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
cis-1,3-Dichloropropene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Cyclohexane	ug/kg	7.7 U	--	--	--	4.6 U	--	--	--	--	--	--	--	--	--	--	5.2 U
Dibromochloromethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Dibromomethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Dichlorodifluoromethane	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Ethyl- benzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Hexachlorobutadiene	ug/kg	7.7 U	7.6 U	5.8 U	350 U	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	690 U	--	--	--	--	--	--	--	--	--	--	670 U	--
Isophorone	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
Isopropylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Methyl acetate	ug/kg	7.7 U	--	--	--	4.6 U	--	--	--	--	--	--	--	--	--	--	5.2 U
Methyl ethyl ketone	ug/kg	77 U	76 U	58 U	--	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U
Methyl isobutyl ketone	ug/kg	77 U	76 U	58 U	--	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U
Methyl tert-butyl ether (MTBE)	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Methylcyclohexane	ug/kg	7.7 U	--	--	--	4.6 U	--	--	--	--	--	--	--	--	--	--	5.2 U
Methylene chloride	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
N-Butylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
N-Propylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Nitrobenzene	ug/kg	340 U	350 U	350 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U
p-Chlorotoluene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
sec-Butylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Styrene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
tert-Butylbenzene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Tetrachloroethene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Toluene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
trans-1,2-Dichloroethene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
trans-1,3-Dichloropropene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Trichloroethene	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Vinyl chloride	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Xylene, m,p-	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Xylene, o-	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U
Xylenes, total	ug/kg	7.7 U	7.6 U	5.8 U	--	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a
	SAMPLE	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039
	DATE	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	5	0	2	5	0	2	5	7	9	11	13
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	10.2	9.64	9.47	9.67	9.71	--	8.46	9.71	9.55	9.1	9.28	9.52	9.86	9.57	9.54	9.54
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 UJ	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	12	6.6	6.4	6.8	4.9	--	3.4	5.3	3.2	2.9	--	6.2	6	11	4.3	6.7
Barium	mg/kg	--	100	76	50	92	120	73	130	110	100	--	180	66	98	71	110
Beryllium	mg/kg	--	2.1 U	2.1 U	2.1 U	1 U	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	2.1 U	2.1 U	5.1 U	1 U	2 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.44 U	0.42 U	0.41 U	--	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	58	53	43	36	27	--	14	33	23	32	19	41	35	26	51	60
Cobalt	mg/kg	15	12	13	11	11	--	12	8.7	8.5	9.3	--	12	10	11	10	14
Copper	mg/kg	19	18	21	26	13	--	12	12	11	10	10	19	18	14	17	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	4.1	4.2	3.5	3.5	3.9	2.7	4.9	3.3	7.2	2.3	3.2	3.5	2.4	3.1	3.6
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	2.1 U	2.1 U	2.1 U	1 U	2.1 U	1.1 U	2.1 U	1 U	2.5	1 U	2.1 U	2.1 U	5.1 U	3.6	2 U
Nickel	mg/kg	42	37	33	26	20	--	9.5	14	14	15	12	27	24	19	22	43
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	2.1 U	2.1 U	2.1 U	1 U	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	2.1 U	2.1 U	5.1 U	1 U	2 U
Thallium	mg/kg	--	4.1 U	4.2 U	4.1 U	2.1 U	4.1 U	2.2 U	4.3 U	2.1 U	2 U	2 U	4.1 U	4.1 U	10 U	2 U	4.1 U
Vanadium	mg/kg	56	44	47	43	40	--	23	31	33	30	34	43	40	40	38	55
Zinc	mg/kg	46	41	47	42	52	--	31	46	40	35	35	44	38	39	35	43
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a
	SAMPLE	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039
	DATE	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	5	0	2	5	0	2	5	7	9	11	13
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	8500	--	--	9600	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	21000	--	--	16000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	17000	--	--	19000	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	6300	--	--	8600	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	220	--	--	270	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	2300 J	--	--	3000	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	310	--	--	370 U	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	5.4 U	--	--	5.1 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	54 U	--	--	51 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	36 U	35 UJ	--	33 U	33 UJ	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	25	18 UJ	--	41	17 UJ	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	25	9 U	--	41	8.5 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	--	6 U	6 U	6 U	6 U	6 U	6.2 U	6.2 U	6 U	5.9 U	5.9 U	5.9 U	6 U	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a
	SAMPLE	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039
	DATE	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	5	0	2	5	0	2	5	7	9	11	13
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Fluorene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	--	5 U	4.8 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
PAH High molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	--	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	760 U	--	--	710 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	760 U	--	--	710 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	760 U	--	--	710 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 UJ	1600 U
2,4-Dinitrotoluene	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	680 U	690 U	680 U	690 U	680 U	720 U	710 U	680 U	670 U	670 U	680 U	680 U	680 U	670 U	680 U
4-Chloroaniline	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	760 U	--	--	710 U	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	760 U	--	--	710 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	760 U	--	--	710 U	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	--	680 U	690 U	680 U	690 U	680 U	720 U	710 U	680 U	670 U	670 U	680 U	680 U	680 U	670 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	360 U	--	--	330 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	360 U	--	--	330 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a
	SAMPLE	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039
	DATE	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	5	0	2	5	0	2	5	7	9	11	13
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	0.98 U	1.1 U	52 U	1.1 U	1.2 U	--	--	1.3 U	1.5 U	--	--	1.3 U	0.91 U	0.87 U	0.94 U	0.96 U
TPH as motor oil	mg/kg	47.4	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1-Dichloroethene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1-Dichloropropene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1,1-Trichloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1,2-Trichloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2-Dibromoethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2-Dichlorobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2-Dichloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2-Dichloropropane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2,3-Trichlorobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2,3-Trichloropropane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2,4-Trichlorobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,2,4-Trimethylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,3-Dichlorobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,3-Dichloropropane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,3,5-Trimethylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,4-Dichlorobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	360 U	--	--	330 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	58 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
2,4,5-Trichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Acetone	ug/kg	53 U	50 U	48 U	57 U	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U
Acrolein	ug/kg	110 U	100 U	96 U	110 U	120 U	--	--	120 U	120 U	--	--	98 U	90 U	88 U	93 U	88 U
Acrylonitrile	ug/kg	53 U	50 U	48 U	57 U	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U
Benzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
bis (2-chloroethyl) ether	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Bromobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Bromochloromethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Bromodichloromethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Bromoform	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Bromomethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Carbon disulfide	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Carbon tetrachloride	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Chloro methane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Chlorobenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Chloroethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a
	SAMPLE	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039
	DATE	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	5	0	2	5	0	2	5	7	9	11	13
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	6	0.5	3	5	0.5	3	6	8	10	12	14
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Chloroform	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
cis-1,2-Dichloroethene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
cis-1,3-Dichloropropene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	5.8 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Dibromomethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Dichlorodifluoromethane	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Ethyl- benzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Hexachlorobutadiene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	720 U	--	--	670 U	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	5.8 U	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	50 U	48 U	57 U	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U
Methyl isobutyl ketone	ug/kg	53 U	50 U	48 U	57 U	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	5.8 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
N-Butylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
N-Propylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Nitrobenzene	ug/kg	--	340 U	350 U	340 U	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
sec-Butylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Styrene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
tert-Butylbenzene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Tetrachloroethene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Toluene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
trans-1,2-Dichloroethene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
trans-1,3-Dichloropropene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Trichloroethene	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Vinyl chloride	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Xylene, m,p-	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Xylene, o-	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U
Xylenes, total	ug/kg	5.3 U	5 U	4.8 U	5.7 U	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061
	DATE	10/5/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	5	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	9.03	9.09	9.66	9.63	--	9.36	9.39	9.42	9.87	8.98	9.5	9.1	8.96	9.02	9.58
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2.1 U	--	2.1 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 UJ	2 U	2 U
Arsenic	mg/kg	2.4	4.7	5.5	--	4.1	2.7	5.3 U	6	3	3	5.4	5.1	2.7	2.9	2.4	2.7
Barium	mg/kg	82	150	70	--	100	100	160	190	110	82	150	160	130	120	100	--
Beryllium	mg/kg	--	2 U	1 U	--	1.1 U	1 U	5.3 U	2.2 U	1 U	1 U	2 U	2.1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	5	0.54	0.41 U	0.41 U	--	0.57	18.2	6.2	0.42 U	0.4 U	0.54	0.41 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	--	130	23	--	41	19	2600	1200	21	23	35	26	19	22	26	34 J
Cobalt	mg/kg	11 J	8.8	19	8.1	9.4	--	7.2	7.4	8	7.2	7.5	7.9	8.3	7.9	7.6	9.5 J
Copper	mg/kg	--	15	61	--	23	10	11	16	11	15	13	10	10	9.8	8.2	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	5.5	6.6	--	3.5	2.4	13	5.7	2.7	2.7	6.9	4.1	2.7	2.6	2.9	--
Mercury	mg/kg	--	0.1 U	0.1 U	--	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	2 U	1 U	--	1.1 U	1 U	7.1	3.4	1 U	1 U	2 U	2.1 U	1 U	1 U	2.1	1.2
Nickel	mg/kg	--	17	15	--	27	12	15	17	12	15	16	17	13	12	12	20 J
Selenium	mg/kg	--	1 U	1 U	--	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	2.5
Silver	mg/kg	--	2 U	1 U	--	1.1 U	1 U	5.3 U	2.2 U	1 U	1 U	2 U	2.1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	4.1 U	2.1 U	--	2.1 U	2 U	11 U	4.4 U	2.1 U	2.1 U	4.1 U	4.2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	--	37	36	--	36	34	35	35	31	30	31	32	34	38	30	35
Zinc	mg/kg	--	87	34	37	39	--	88	56	34	31	47	32	38	38	33	34
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061
	DATE	10/5/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	5	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Aluminum	mg/kg	--	11000	--	--	--	--	9700	--	--	--	8400	--	--	--	--	--
Calcium	mg/kg	--	37000	--	--	--	--	70000	--	--	--	24000	--	--	--	--	--
Cyanide	mg/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
Iron	mg/kg	--	21000	--	--	--	--	25000	--	--	--	17000	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	10000	--	--	--	--	12000	--	--	--	6800	--	--	--	--	--
Manganese	mg/kg	--	280	--	--	--	--	250	--	--	--	230	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	3200	--	--	--	--	2600	--	--	--	2400	--	--	--	--	--
Sodium	mg/kg	--	690 U	--	--	--	--	1000 U	--	--	--	320 U	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	5.1 U	--	--	--	--	5.4 U	--	--	--	5.1 U	--	--	--	--	--
Toxaphene	ug/kg	--	51 U	--	--	--	--	54 U	--	--	--	51 U	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1221	ug/kg	--	34 U	34 UJ	--	--	--	35 U	37 UJ	--	--	34 U	34 UJ	--	--	--	--
Aroclor 1232	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1242	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1248	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1254	ug/kg	--	19	17 UJ	--	--	--	200	18 UJ	--	--	41	17 UJ	--	--	--	--
Aroclor 1260	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1262	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	17 UJ	--	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--
Total PCBs	ug/kg	--	19	8.5 U	--	--	--	200	9 U	--	--	41	8.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	--	5.9 U	6 U	--	6.1 U	5.9 U	19	6.4 U	5.9 U	6 U	14	6.1 U	5.9 U	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	17	5.5 U	5.1 U	5.2 U	6.4	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	12	5.5 U	5.1 U	5.2 U	8.9	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	17	5.5 U	5.1 U	5.2 U	9.2	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061
	DATE	10/5/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	5	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	10	5.5 U	5.1 U	5.2 U	9	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	17	5.5 U	5.1 U	5.2 U	10	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	22	5.5 U	5.1 U	5.2 U	10	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	440	5.5 U	5.1 U	5.2 U	16	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Fluorene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	9.2	5.5 U	5.1 U	5.2 U	7.7	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	4.8 U	5.1 U	4.7 U	--	5.3 U	4.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	3.8 U	4.2 U	5.1 U	5.1 U	--
PAH High molecular weight	ug/kg	--	0	0	--	0	0	904	0	0	0	93.2	0	0	0	0	0
PAH Low molecular weight	ug/kg	--	0	0	--	0	0	12	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	12	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	--	5.1 U	5.2 U	--	5.3 U	5.1 U	360	5.5 U	5.1 U	5.2 U	16	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	710 U	--	--	--	--	750 U	--	--	--	720 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	710 U	--	--	--	--	750 U	--	--	--	720 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2-Chlorophenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2-Methylphenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2-Nitroaniline	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	710 U	--	--	--	--	750 U	--	--	--	720 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
3-Nitroaniline	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	670 U	680 U	--	700 U	670 U	710 U	730 U	680 U	680 U	680 U	700 U	670 U	680 U	670 U	670 U
4-Chloroaniline	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
4-Methylphenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
4-Nitroaniline	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	--	1800 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	710 U	--	--	--	--	750 U	--	--	--	720 U	--	--	--	--	--
Atrazine	ug/kg	--	710 U	--	--	--	--	750 U	--	--	--	720 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	710 U	--	--	--	--	750 U	--	--	--	720 U	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	--	1800 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	670 U	680 U	--	700 U	670 U	710 U	730 U	680 U	680 U	680 U	700 U	670 U	680 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Butylbenzylphthalate	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Caprolactam	ug/kg	--	340 U	--	--	--	--	350 U	--	--	--	340 U	--	--	--	--	--
Carbazole	ug/kg	--	340 U	--	--	--	--	350 U	--	--	--	340 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Dibenzofuran	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Diethyl phthalate	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Dimethyl phthalate	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Hexachlorobenzene	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Hexachloroethane	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061
	DATE	10/5/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	5	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Pentachlorophenol	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1 U	--	0.8 U	1 U	0.91 U	--	--	1.8 U	0.99 U	1.3 U	--	0.82 U	0.93 U	1.5 U	--	0.98 U
TPH as motor oil	mg/kg	--	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1-Dichloroethene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1-Dichloropropene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1,1-Trichloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1,2-Trichloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2-Dibromoethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2-Dichlorobenzene	ug/kg	4.8 U	340 U	4.7 U	--	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--
1,2-Dichloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2-Dichloropropane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2,3-Trichlorobenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2,3-Trichloropropane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,2,4-Trichlorobenzene	ug/kg	4.8 U	340 U	4.7 U	--	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--
1,2,4-Trimethylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,3-Dichlorobenzene	ug/kg	4.8 U	340 U	4.7 U	--	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--
1,3-Dichloropropane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,3,5-Trimethylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
1,4-Dichlorobenzene	ug/kg	4.8 U	340 U	4.7 U	--	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--
1,4-Dioxane	ug/kg	--	340 U	--	--	--	--	350 U	--	--	--	340 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
2-Hexanone	ug/kg	48 U	--	47 U	--	--	--	--	79 U	--	--	--	38 U	--	--	--	--
2,2-Dichloropropane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1700 U	--	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
4-Isopropyltoluene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Acetone	ug/kg	48 U	--	47 U	--	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	52 UJ
Acrolein	ug/kg	97 U	--	94 U	81 U	150 U	--	--	160 U	110 U	130 U	--	76 U	84 U	160 U	--	100 U
Acrylonitrile	ug/kg	48 U	--	47 U	--	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	--
Benzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Bromobenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Bromochloromethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Bromodichloromethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Bromoform	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Bromomethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Carbon disulfide	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Carbon tetrachloride	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Chloro methane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Chlorobenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Chloroethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061
	DATE	10/5/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	5	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate			Field Duplicate												
ANALYTE	UNITS																
Chloroform	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
cis-1,2-Dichloroethene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
cis-1,3-Dichloropropene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Cyclohexane	ug/kg	4.8 U	--	4.7 U	--	--	--	--	7.9 U	--	--	--	3.8 U	--	--	--	--
Dibromochloromethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Dibromomethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Dichlorodifluoromethane	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Ethyl- benzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Hexachlorobutadiene	ug/kg	4.8 U	340 U	4.7 U	--	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--
Hexachlorocyclopentadiene	ug/kg	--	670 U	--	--	--	--	710 U	--	--	--	680 U	--	--	--	--	--
Isophorone	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
Isopropylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Methyl acetate	ug/kg	4.8 U	--	4.7 U	--	--	--	--	7.9 U	--	--	--	3.8 U	--	--	--	--
Methyl ethyl ketone	ug/kg	48 U	--	47 U	--	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	--
Methyl isobutyl ketone	ug/kg	48 U	--	47 U	--	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Methylcyclohexane	ug/kg	4.8 U	--	4.7 U	--	--	--	--	7.9 U	--	--	--	3.8 U	--	--	--	--
Methylene chloride	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
N-Butylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
N-Propylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Nitrobenzene	ug/kg	--	340 U	340 U	--	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U
p-Chlorotoluene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
sec-Butylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Styrene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
tert-Butylbenzene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Tetrachloroethene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Toluene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
trans-1,2-Dichloroethene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
trans-1,3-Dichloropropene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Trichloroethene	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Vinyl chloride	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Xylene, m,p-	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Xylene, o-	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--
Xylenes, total	ug/kg	4.8 U	--	4.7 U	--	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B
	SAMPLE	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2075	SWMU1-WP-T3a-2084	T-3-B
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	2	0	2	5	7	9	11	13	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
SAMPLE TYPE							Field Duplicate								Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.63	9.57	9.72	9.77	9.67	--	9.16	9.19	10	9.75	9.79	9.67	9.82	--	--	8.67
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 UJ	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	--	--	--
Arsenic	mg/kg	4.2	4.8	4.7	7.1	5.3	--	2.6	2	--	6.1	5.1	7.1	11	4.2	--	--
Barium	mg/kg	75	58	77	88	91	1900 J	110	92	82	86	140	92	100	--	--	--
Beryllium	mg/kg	2 U	2.1 U	2 U	5.2 U	2.1 U	--	1 U	1 U	1.1 U	2.1 U	2 U	2.1 U	5.3 U	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.42 U	0.41 U	0.42 U	0.42 U	--	0.41 U	0.41 U	0.43 U	0.43 U	0.41 U	0.42 U	0.42 U	--	--	3.1
Chromium, total	mg/kg	39	28	37	68	60	--	25	18	26	38	71	50	62	--	--	619
Cobalt	mg/kg	13	10	12	16	15	--	10	9.2	11	12	13	15	14	--	--	--
Copper	mg/kg	15	14	15	23	22	--	11	12	16	19	20	17	30	--	--	19.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.2	3.5	3.3	4	4.9	2.7	2.8	2.9	--	4.4	3.4	4.5	3.8	3.7	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	--	--	--
Molybdenum	mg/kg	2 U	2.1 U	2 U	5.2 U	2.1 U	--	1 U	1 U	--	2.1 U	6.4	2.1 U	5.3 U	1.1	--	--
Nickel	mg/kg	26	20	28	51	46	--	12	11	19	28	29	38	45	--	--	7.9
Selenium	mg/kg	1.3	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--
Silver	mg/kg	2 U	2.1 U	2 U	5.2 U	2.1 U	--	1 U	1 U	1.1 U	2.1 U	2 U	2.1 U	5.3 U	--	--	--
Thallium	mg/kg	4.1 U	4.1 U	4.1 U	10 U	4.2 U	--	2 U	2 U	2.1 U	4.3 U	4.1 U	4.2 U	11 U	--	--	--
Vanadium	mg/kg	49	39	43	56	56	--	38	32	38	43	44	54	53	--	--	--
Zinc	mg/kg	43	45	43	56	52	--	39	35	40	44	42	42	51	--	--	673
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B
	SAMPLE	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2075	SWMU1-WP-T3a-2084	T-3-B
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	2	0	2	5	7	9	11	13	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
SAMPLE TYPE							Field Duplicate								Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	8400	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	17000	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	24000 J	--	--	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	8000 J	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	280	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	2900 J	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	5.1 U	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	51 U	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	34 U	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	8.5 U	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Acenaphthene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
B(a)P Equivalent	ug/kg	5.9 U	6 U	5.9 U	6.1 U	6 U	--	5.9 U	5.9 U	6.2 U	6.1 U	--	6 U	6.1 U	--	0 U	--
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B
	SAMPLE	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2075	SWMU1-WP-T3a-2084	T-3-B
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	2	0	2	5	7	9	11	13	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
SAMPLE TYPE							Field Duplicate								Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Chrysene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Fluorene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Naphthalene	ug/kg	4.6 U	5.2 U	5.1 U	5.3 U	5.2 U	5 U	5.1 U	5.1 U	--	5.3 U	--	5.2 U	5.3 U	4.9 U	5 U	--
PAH High molecular weight	ug/kg	0	0	0	0	0	--	0	0	0	0	0	0	0	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	--	0	0	0	0	0	0	0	--	--	--
Phenanthrene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.3 U	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	690 U	690 U	--	670 U	680 U	710 U	700 U	670 U	690 U	710 U	--	--	--
4-Chloroaniline	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1800 U	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1800 U	--	--	--
Benzyl alcohol	ug/kg	680 U	680 U	680 U	690 U	690 U	--	670 U	680 U	710 U	700 U	670 U	690 U	710 U	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B
	SAMPLE	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2075	SWMU1-WP-T3a-2084	T-3-B
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	2	0	2	5	7	9	11	13	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
SAMPLE TYPE							Field Duplicate								Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
Phenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
TPH as gasoline	mg/kg	1.2 U	1.2 U	0.94 U	1.2 U	1.4 U	--	--	1.3 U	1.2 U	1.3 U	--	0.95 U	0.98 U	--	1.1 U	--
TPH as motor oil	mg/kg	17.4 J	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1-Dichloroethene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1-Dichloropropene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1,1-Trichloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1,1,2-Tetrachloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1,2-Trichloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,1,2,2-Tetrachloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2-Dibromo-3-chloropropane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2-Dibromoethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2-Dichlorobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2-Dichloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2-Dichloropropane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2,3-Trichlorobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2,3-Trichloropropane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2,4-Trichlorobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,2,4-Trimethylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,3-Dichlorobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,3-Dichloropropane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,3,5-Trimethylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,4-Dichlorobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
4-Isopropyltoluene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Acetone	ug/kg	--	--	--	66 U	58 U	--	--	53 U	--	59 U	53 U	60 U	62 U	49 U	--	--
Acrolein	ug/kg	91 U	110 U	140 U	130 U	120 U	--	--	110 U	--	120 U	--	120 U	120 U	98 U	100 U	--
Acrylonitrile	ug/kg	46 U	55 U	68 U	66 U	58 U	50 U	--	53 U	--	59 U	--	60 U	62 U	49 U	50 U	--
Benzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Bromobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Bromochloromethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Bromodichloromethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Bromoform	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Bromomethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Carbon disulfide	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Carbon tetrachloride	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Chloro methane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Chlorobenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Chloroethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B
	SAMPLE	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2075	SWMU1-WP-T3a-2084	T-3-B
	DATE	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998
SAMPLE TOP DEPTH (FT)		5	7	9	11	13	2	0	2	5	7	9	11	13	5	9	0
SAMPLE BOTTOM DEPTH (FT)		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	8	10	12	14	3	0.5	3	6	8	10	12	14	6	10	0
SAMPLE TYPE							Field Duplicate								Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
Chloroform	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
cis-1,2-Dichloroethene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
cis-1,3-Dichloropropene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Dibromomethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Dichlorodifluoromethane	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Ethyl- benzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Hexachlorobutadiene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	670 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
Isopropylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	46 U	55 U	68 U	66 U	58 U	50 U	--	53 U	--	59 U	--	60 U	62 U	49 U	50 U	--
Methyl isobutyl ketone	ug/kg	46 U	55 U	68 U	66 U	58 U	50 U	--	53 U	--	59 U	--	60 U	62 U	49 U	50 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
N-Butylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
N-Propylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	350 U	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--
p-Chlorotoluene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
sec-Butylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Styrene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
tert-Butylbenzene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Tetrachloroethene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Toluene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
trans-1,2-Dichloroethene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
trans-1,3-Dichloropropene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Trichloroethene	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Vinyl chloride	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Xylene, m,p-	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Xylene, o-	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--
Xylenes, total	ug/kg	4.6 U	5.5 U	6.8 U	6.6 U	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS-4	TCS-4	TCS4-E	TCS4-E	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2
	SAMPLE	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007
	DATE	3/25/2014	3/25/2014	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		59	113	4	5	4	4	5	4	5	0	0.5	2.5	5.5	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	4200	1000	19000 J	150	--	2600	4200	3300	940	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	740	200	2.5 U	0.24 U	--	0.45 U	750 U	0.47 U	130	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	8.1 J	4.5 U	--	0.3 U	54 J	9.5 J	9.6 J	18	1.8 J	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	21 U	5.7 U	250	1.2 J	--	20	12 U	41	0.32 U	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	53	20	430 J	1.1 U	--	36	96	77	21	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	79	26	680	3.2 U	--	70	140	120	23	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	19 U	5.3 U	--	3.3 U	770 U	90 U	180 U	160 U	37 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	2.3 J	1.2 U	--	0.13 U	26	3.1 J	3.6 J	9 J	0.8 J	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	1.5 U	0.87 U	--	0.22 U	1.1 U	0.81 U	0.58 U	0.88 U	1.2 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	16	10 J	--	1.1 U	110	15	23	36	4.3 J	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	25 U	6.7 U	--	0.41 U	16 U	5.6 U	14 U	2.8 U	0.38 U	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	1400 U	490 U	8600 U	38 U	--	1100 U	2300 U	1800 U	530 U	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	1.6 U	18	4.6 U	0.23 U	--	0.86 U	2.9 U	1.5 U	1.3 U	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.09 U	0.45 U	--	0.23 J	3.2 J	0.32 U	0.34 J	0.37 U	0.23 U	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.15 U	0.3 U	--	0.065 U	1.9 J	0.46 J	0.49 U	0.48 J	0.066 U	--	--	--	--	--	--	--
OCDD	ng/kg	46000	11000	220000 J	1000	--	26000	48000	39000	10000	--	--	--	--	--	--	--
OCDF	ng/kg	3800	920	--	35	19000	1800	4300	3300	1100	--	--	--	--	--	--	--
TEQ Avian	ng/kg	96	50	--	3	600	74	150	130	34	--	--	--	--	--	--	--
TEQ Human	ng/kg	150	51	870	4.6	--	110	210	180	47	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	150	51	870	4.6	--	110	210	180	47	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 UJ	2 U	--	2.1 U	8.3 J	8.6	6.9	2.1 U	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.1	20	--	1 U	19 J	14	3.8	1.9	2.7	14	24	16	12	8	15	11
Barium	mg/kg	80	51	--	58	140	100	130	74	100	290	280	300	150	220	520	310
Beryllium	mg/kg	1 U	1 U	--	1 U	1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U
Cadmium	mg/kg	1 UJ	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.2	0.4 U	50 J	0.99	--	33	39	30	21	0.42 U	0.42 U	0.4 U	0.4 U	0.4 U	0.42 U	0.41 U
Chromium, total	mg/kg	61 J	1700	3400	13	--	3400	3300	840	2200	25	28	25	17	17	33	34
Cobalt	mg/kg	6.3	31	--	8	6.5	6.9	7.5	7.4	7.3	7.7	9.1	8.8	6.7	7	10	11
Copper	mg/kg	18 J	580	--	8	16 J	8.7	14	9	11	13	14	13	10	11	15	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	32 J	17	--	1 U	6.2	6.9	6.2	4.5	3.1	7.9	5.8	5.6	3.2	6.6	4.3	3.4
Mercury	mg/kg	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	35	--	1 U	9.6 J	4.9	15	1.1 U	3.4	1 U	2 U	2 U	1.1	1 U	2 U	2 U
Nickel	mg/kg	16 J	300	7.1 J	7.6	--	13	12	9.5	9	16	19	18	13	13	22	23
Selenium	mg/kg	1.6	42	--	1 U	1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 UJ	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U
Thallium	mg/kg	2 UJ	2 U	--	2.1 U	2.1 UJ	2.1 U	2.2 U	2.1 U	2.2 U	2 U	4 U	4 U	2 U	2 U	4 U	4 U
Vanadium	mg/kg	29	5.7	--	32	67 J	70	33	33	30	28	31	29	22	27	35	36
Zinc	mg/kg	30	55	--	31	190 J	82	130	120	150	54	61	59	48	46	62	63
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS-4	TCS-4	TCS4-E	TCS4-E	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2
	SAMPLE	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007
	DATE	3/25/2014	3/25/2014	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		59	113	4	5	4	4	5	4	5	0	0.5	2.5	5.5	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	11000	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	21000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	20000	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	7400	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	670	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	2900	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	230	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	50 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	33 U	--	34 U	35 U	35 U	35 U	35 U	36 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Total PCBs	ug/kg	17 U	17 U	--	17 U	17 U	17 U	18 U	17 U	18 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	17	--	17	6.1	9.4	6.2 U	6.1 U	6.2 U	5.8 U	5.9 U	5.8	6.1	5.8 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	11	--	27 J	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	11	--	5.1 U	5.2 U	5.3	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	15	--	82 J	5.2 U	9.2	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5.3	5 U	5.1 U	5.1 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS-4	TCS-4	TCS4-E	TCS4-E	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2
	SAMPLE	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007
	DATE	3/25/2014	3/25/2014	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		59	113	4	5	4	4	5	4	5	0	0.5	2.5	5.5	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	7.1	--	8.2 J	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	6.2	5 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1	--	39 J	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Chrysene	ug/kg	5 U	12	--	65 J	73 J	7.7	5.4 U	5.3 U	5.4 U	5 U	5.1 U	6.5	5 U	5 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5 U	19	--	80 J	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Fluorene	ug/kg	5 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	6.1	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Naphthalene	ug/kg	5 UJ	5.1 UJ	--	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	100	--	374	73	22.2	0	0	0	0	0	6.5	11.5	0	0	0
PAH Low molecular weight	ug/kg	0	8.4	--	35	0	0	0	0	0	0	0	11	0	0	0	0
Phenanthrene	ug/kg	5 U	8.4	--	35 J	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	11	5 U	5 U	5.1 U	5.1 U
Pyrene	ug/kg	5 U	14	--	73 J	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 UJ	1700 UJ	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 UJ	1700 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 UJ	1700 UJ	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	660 UJ	670 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 UJ	670 UJ	--	--	--	--	--	--	--	660 U	670 U	660 U	660 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	660 UJ	670 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	460	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 UJ	1700 UJ	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 UJ	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 UJ	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 UJ	670 UJ	--	--	--	--	--	--	--	660 U	670 U	660 U	660 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	1300	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS-4	TCS-4	TCS4-E	TCS4-E	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2
	SAMPLE	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007
	DATE	3/25/2014	3/25/2014	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		59	113	4	5	4	4	5	4	5	0	0.5	2.5	5.5	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	140	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.4 U	1.1 U	--	--	1.4 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	32	33.6	902	60	15.1 J	12.2 J	13 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,2-Dichlorobenzene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
1,2,4-Trichlorobenzene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
1,3-Dichlorobenzene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
1,4-Dichlorobenzene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	63 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
2,4,5-Trichlorophenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	130 U	140 U	--	--	160 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
bis (2-chloroethyl) ether	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS-4	TCS-4	TCS4-E	TCS4-E	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2
	SAMPLE	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007
	DATE	3/25/2014	3/25/2014	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		59	113	4	5	4	4	5	4	5	0	0.5	2.5	5.5	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		60	113	5	6	5	5	6	5	6	0.5	1	3	6	0.5	1	3
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Hexachlorobutadiene	ug/kg	660 UJ	670 UJ	--	--	--	--	--	--	--	330 U	330 U	6.3 U	7 U	330 U	330 U	8 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	660 U	--	--	--	--	--	--
Isophorone	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
Nitrobenzene	ug/kg	330 UJ	330 UJ	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5	WP-1	WP-2	WP-3	WP-3	WP-4
	SAMPLE	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		0	0.5	2	5	0.5	0	0.5	2	0	0.5	2	0	0	0.5	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	9.08	9.03	9.12	8.6	8.99
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 UJ	2 U	2 U	--	--	--	--	--
Arsenic	mg/kg	9.8	10	12	14	--	9.1	11	11	8.4	10	9.4	--	--	--	--	--
Barium	mg/kg	250	220	180	890	--	230	190	220	290 J	390	360	--	--	--	--	--
Beryllium	mg/kg	2 U	2 U	2 U	2 U	--	2 U	1 U	2 U	1 U	2 U	2 U	--	--	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	--	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	47.5	0.5 U	11.8	0.41	1.1
Chromium, total	mg/kg	21	26	25	32	--	22	20	28	22	33	35	2090	25.9	1290	273	120
Cobalt	mg/kg	7.9	10	9.9	10	--	8.4	7.4	11	7	11	11	--	--	--	--	--
Copper	mg/kg	11	13	13	9.4	--	11	11	15	11	11	12	3.9	22.8	13.2	18.6	10.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.3	6.3	4	3.6	--	4.4	3.4	3.4	13	3.9	3.4	--	--	--	--	--
Mercury	mg/kg	0.1 U	0.099 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Molybdenum	mg/kg	2 U	2 U	2 U	2 U	--	2 U	1 U	2 U	1 U	2 U	2 U	--	--	--	--	--
Nickel	mg/kg	16	19	20	22	--	17	14	21	15	24	25	3.6	9.9	5.6	18.3	4
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--
Silver	mg/kg	2 U	2 U	2 U	2 U	--	2 U	1 U	2 U	1 U	2 U	2 U	--	--	--	--	--
Thallium	mg/kg	4 U	4 U	4.1 U	4.1 U	--	4 U	2 U	4.1 U	2 U	4.1 U	4.1 U	--	--	--	--	--
Vanadium	mg/kg	33	37	34	37	--	33	27	38	27	36	37	--	--	--	--	--
Zinc	mg/kg	52	60	65	58	--	53	47	64	62	65	62	44.5	80.1	50.3	50	65.6
Metals CLP																	

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5	WP-1	WP-2	WP-3	WP-3	WP-4
	SAMPLE	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		0	0.5	2	5	0.5	0	0.5	2	0	0.5	2	0	0	0.5	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	11000	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	26000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	27000	--	--	--	--	--	--	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	8900	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	840	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	2400	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	210	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1221	ug/kg	33 U	33 U	33 U	33 U	--	33 U	33 U	33 U	33 U	33 U	34 U	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1262	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	--
Total PCBs	ug/kg	0 U	0 U	0 U	0 U	--	0 U	0 U	0 U	0 U	0 U	0 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	5.9 U	5.9 U	--	5.8 U	5.9 U	5.9 U	5.8 U	5.9 U	5.9 U	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5	WP-1	WP-2	WP-3	WP-3	WP-4
	SAMPLE	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		0	0.5	2	5	0.5	0	0.5	2	0	0.5	2	0	0	0.5	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Chrysene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
PAH High molecular weight	ug/kg	0	0	0	0	--	0	0	0	0	0	0	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	0	--	0	0	0	0	0	0	--	--	--	--	--
Phenanthrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Pyrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	670 U	--	660 U	670 U	670 U	660 U	670 U	670 U	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--
Benzyl alcohol	ug/kg	660 U	670 U	670 U	670 U	--	660 U	670 U	670 U	660 U	670 U	670 U	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5	WP-1	WP-2	WP-3	WP-3	WP-4
	SAMPLE	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		0	0.5	2	5	0.5	0	0.5	2	0	0.5	2	0	0	0.5	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
Phenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 U	10.5	10 U	10 U	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	1.6 U	1.6 U	--	--	--	0.75 U	--	--	1.7 U	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 U	60 J	29.7 J	11.2 J	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	77 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Acetone	ug/kg	--	--	68 U	59 U	--	--	--	85 U	--	--	77 U	--	--	--	--	--
Acrolein	ug/kg	--	--	140 U	120 U	--	--	--	170 U	--	--	150 U	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	68 U	59 U	--	--	--	85 U	--	--	77 U	--	--	--	--	--
Benzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Bromobenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Bromoform	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Bromomethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Chloro methane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Chloroethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5	WP-1	WP-2	WP-3	WP-3	WP-4
	SAMPLE	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
	SAMPLE TOP DEPTH (FT)	0	0.5	2	5	0.5	0	0.5	2	0	0.5	2	0	0	0.5	2	0
	SAMPLE BOTTOM DEPTH (FT)	0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	1	3	6	1	0.5	1	3	0.5	1	3	0	0	0.5	2	0
	SAMPLE TYPE					Field Duplicate											
ANALYTE	UNITS																
Chloroform	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Dibromomethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	330 U	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	660 U	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	68 U	59 U	--	--	--	85 U	--	--	77 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	68 U	59 U	--	--	--	85 U	--	--	77 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--
Methylene chloride	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Styrene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Toluene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Trichloroethene	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Xylene, o-	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--
Xylenes, total	ug/kg	--	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	8	54	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	46	227	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	359	363	305	238	--
pH	PHUNITS	9.01	9.15	8.56	9.09	9.1	8.52	8.95	8.56	8.25	8.93	9.27	8.53	8.42	8.56	8.47
Phosphate	mg/kg	--	--	--	--	--	--	--	--	161	358	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	448	1010	21	33	21	17	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.4 U	0.4 U	--
Metals																
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	257	88.1	57.4	1580	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	3.5	6.7	9	6.1	10.2	1.6	9.5	2.3	5.5	14	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	511	711	421	158	113	712	1030	401	261	909	45.7	35.6	36.3	6.7	18.4
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	16.8	15.4	15.8	10.1	24.4	21.6	18.2	11.9	10.3	27.2	19.7	17.2	15.6	170	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	5.7	7.2	4.5	6.1	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	0.075 J	0.11 J	0.2 U	1.8	--
Nickel	mg/kg	13.2	10.2	12.9	4.5	20.6	12.4	5.8	10.5	3.8	7.9	35.2	32.1	28.5	7.4	9
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	44.5	42.9	37.7	19.7	--
Zinc	mg/kg	50.4	61.5	51.9	22.9	41.9	57.9	46.5	210	23.4	61.8	44.2	50.3	54.2	54.6	25.8
Metals CLP																

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
SAMPLE TYPE																
ANALYTE	**UNITS**															
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	280000	173000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	4760	11300	22600	22200	19700	22000	--
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	100 U	100 U	100 U	100 U	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	12000	14300	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	67.4	139	345	344	280	203	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	51.3	45.7	29.5	76.4	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	1040	1680	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	1800	1650	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
	SAMPLE TOP DEPTH (FT)	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE BOTTOM DEPTH (FT)	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE TYPE															
ANALYTE	UNITS															
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
	SAMPLE TOP DEPTH (FT)	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE BOTTOM DEPTH (FT)	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE TYPE															
ANALYTE	UNITS															
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCS-A1
Dataset for OCS HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
	SAMPLE TOP DEPTH (FT)	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE BOTTOM DEPTH (FT)	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	1	2	3	4	0	1	2	0	0	10	30	50	70	3
	SAMPLE TYPE															
ANALYTE	UNITS															
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Abbreviations:
-- = not applicable
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
J = estimated value
U = not detected at specified reporting limit
UJ = not detected at specified reporting limit; reporting limit
AOC = area of concern
BHC = benzene hexachloride
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
TPH = total petroleum hydrocarbon
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyls

OCS-A3 Appendix Figure List

Exposure Unit: OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
Reference Figure: OCS-1.1A AND OCS-1.1B

Figure Number	Exposure Scenario Depth	Analyte Group	Analyte
OCS-A3.1	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCS-A3.2	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCS-A3.3	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCS-A3.4	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCS-A3.5	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCS-A3.6	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCS-A3.7	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCS-A3.8	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCS-A3.9	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCS-A3.10	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCS-A3.11	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	COBALT
OCS-A3.12	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	COPPER
OCS-A3.13	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	LEAD
OCS-A3.14	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCS-A3.15	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCS-A3.16	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCS-A3.17	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCS-A3.18	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	ZINC
OCS-A3.19	0 - 0.5 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCS-A3.20	0 - 0.5 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCS-A3.21	0 - 0.5 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCS-A3.22	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE
OCS-A3.23	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCS-A3.24	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCS-A3.25	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCS-A3.26	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCS-A3.27	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCS-A3.28	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCS-A3.29	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCS-A3.30	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCS-A3.31	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCS-A3.32	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCS-A3.33	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCS-A3.34	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCS-A3.35	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCS-A3.36	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCS-A3.37	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCS-A3.38	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCS-A3.39	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCS-A3.40	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCS-A3.41	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCS-A3.42	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCS-A3.43	0 - 0.5 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCS-A3.44	0 - 0.5 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCS-A3.45	0 - 0.5 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL
OCS-A3.46	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCS-A3.47	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCS-A3.48	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCS-A3.49	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCS-A3.50	0 - 3 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCS-A3.51	0 - 3 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCS-A3.52	0 - 3 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCS-A3.53	0 - 3 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCS-A3.54	0 - 3 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCS-A3.55	0 - 3 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCS-A3.56	0 - 3 FEET BELOW GROUND SURFACE	METAL	COBALT
OCS-A3.57	0 - 3 FEET BELOW GROUND SURFACE	METAL	COPPER
OCS-A3.58	0 - 3 FEET BELOW GROUND SURFACE	METAL	LEAD
OCS-A3.59	0 - 3 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCS-A3.60	0 - 3 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCS-A3.61	0 - 3 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCS-A3.62	0 - 3 FEET BELOW GROUND SURFACE	METAL	SELENIUM
OCS-A3.63	0 - 3 FEET BELOW GROUND SURFACE	METAL	THALLIUM
OCS-A3.64	0 - 3 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCS-A3.65	0 - 3 FEET BELOW GROUND SURFACE	METAL	ZINC
OCS-A3.66	0 - 3 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCS-A3.67	0 - 3 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCS-A3.68	0 - 3 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCS-A3.69	0 - 3 FEET BELOW GROUND SURFACE	ORG	BIS (2-ETHYLHEXYL) PHTHALATE
OCS-A3.70	0 - 3 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE

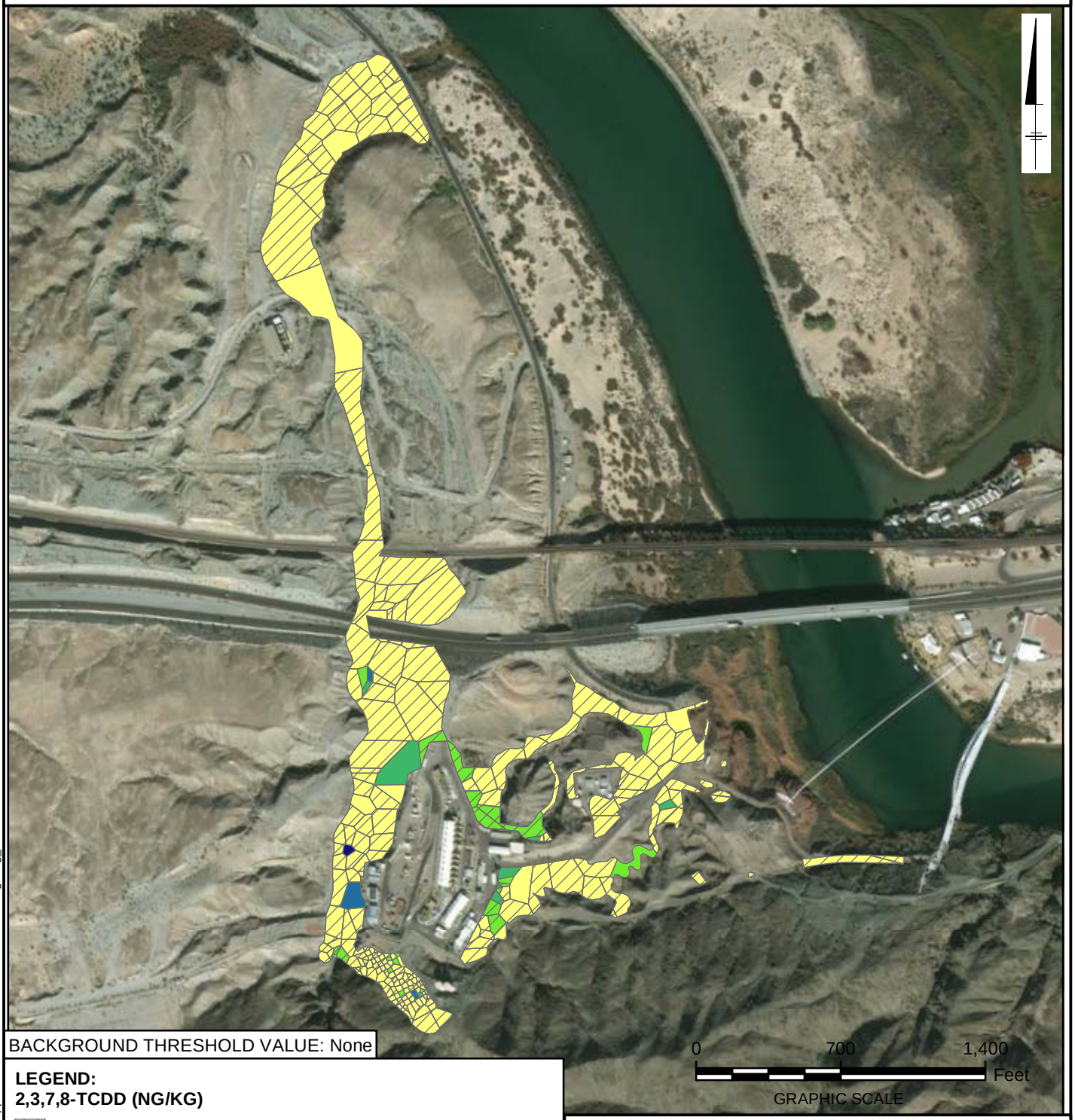
Exposure Unit: OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
Reference Figure: OCS-1.1A AND OCS-1.1B

Figure Number	Exposure Scenario Depth	Analyte Group	Analyte
OCS-A3.71	0 - 3 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCS-A3.72	0 - 3 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCS-A3.73	0 - 3 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCS-A3.74	0 - 3 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCS-A3.75	0 - 3 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCS-A3.76	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCS-A3.77	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCS-A3.78	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCS-A3.79	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCS-A3.80	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCS-A3.81	0 - 3 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCS-A3.82	0 - 3 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCS-A3.83	0 - 3 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCS-A3.84	0 - 3 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCS-A3.85	0 - 3 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCS-A3.86	0 - 3 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCS-A3.87	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCS-A3.88	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCS-A3.89	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCS-A3.90	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCS-A3.91	0 - 3 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCS-A3.92	0 - 3 FEET BELOW GROUND SURFACE	PEST	4,4-DDE
OCS-A3.93	0 - 3 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCS-A3.94	0 - 3 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL
OCS-A3.95	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCS-A3.96	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCS-A3.97	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCS-A3.98	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCS-A3.99	0 - 6 FEET BELOW GROUND SURFACE	GENERAL	CHLORIDE
OCS-A3.100	0 - 6 FEET BELOW GROUND SURFACE	GENERAL	SULFATE
OCS-A3.101	0 - 6 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCS-A3.102	0 - 6 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCS-A3.103	0 - 6 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCS-A3.104	0 - 6 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCS-A3.105	0 - 6 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCS-A3.106	0 - 6 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCS-A3.107	0 - 6 FEET BELOW GROUND SURFACE	METAL	COBALT
OCS-A3.108	0 - 6 FEET BELOW GROUND SURFACE	METAL	COPPER
OCS-A3.109	0 - 6 FEET BELOW GROUND SURFACE	METAL	LEAD
OCS-A3.110	0 - 6 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCS-A3.111	0 - 6 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCS-A3.112	0 - 6 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCS-A3.113	0 - 6 FEET BELOW GROUND SURFACE	METAL	SELENIUM
OCS-A3.114	0 - 6 FEET BELOW GROUND SURFACE	METAL	THALLIUM
OCS-A3.115	0 - 6 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCS-A3.116	0 - 6 FEET BELOW GROUND SURFACE	METAL	ZINC
OCS-A3.117	0 - 6 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCS-A3.118	0 - 6 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCS-A3.119	0 - 6 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCS-A3.120	0 - 6 FEET BELOW GROUND SURFACE	ORG	BIS (2-ETHYLHEXYL) PHTHALATE
OCS-A3.121	0 - 6 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE
OCS-A3.122	0 - 6 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCS-A3.123	0 - 6 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCS-A3.124	0 - 6 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCS-A3.125	0 - 6 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCS-A3.126	0 - 6 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCS-A3.127	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCS-A3.128	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCS-A3.129	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCS-A3.130	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCS-A3.131	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCS-A3.132	0 - 6 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCS-A3.133	0 - 6 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCS-A3.134	0 - 6 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCS-A3.135	0 - 6 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCS-A3.136	0 - 6 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCS-A3.137	0 - 6 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCS-A3.138	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCS-A3.139	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCS-A3.140	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCS-A3.141	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCS-A3.142	0 - 6 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS

Exposure Unit: OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
Reference Figure: OCS-1.1A AND OCS-1.1B

Figure Number	Exposure Scenario Depth	Analyte Group	Analyte
OCS-A3.143	0 - 6 FEET BELOW GROUND SURFACE	PEST	4,4-DDE
OCS-A3.144	0 - 6 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCS-A3.145	0 - 6 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL
OCS-A3.146	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCS-A3.147	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCS-A3.148	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCS-A3.149	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCS-A3.150	0 - 10 FEET BELOW GROUND SURFACE	GENERAL	CHLORIDE
OCS-A3.151	0 - 10 FEET BELOW GROUND SURFACE	GENERAL	ORTHOPHOSPHATE
OCS-A3.152	0 - 10 FEET BELOW GROUND SURFACE	GENERAL	SULFATE
OCS-A3.153	0 - 10 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCS-A3.154	0 - 10 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCS-A3.155	0 - 10 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCS-A3.156	0 - 10 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCS-A3.157	0 - 10 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCS-A3.158	0 - 10 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCS-A3.159	0 - 10 FEET BELOW GROUND SURFACE	METAL	COBALT
OCS-A3.160	0 - 10 FEET BELOW GROUND SURFACE	METAL	COPPER
OCS-A3.161	0 - 10 FEET BELOW GROUND SURFACE	METAL	LEAD
OCS-A3.162	0 - 10 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCS-A3.163	0 - 10 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCS-A3.164	0 - 10 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCS-A3.165	0 - 10 FEET BELOW GROUND SURFACE	METAL	SELENIUM
OCS-A3.166	0 - 10 FEET BELOW GROUND SURFACE	METAL	THALLIUM
OCS-A3.167	0 - 10 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCS-A3.168	0 - 10 FEET BELOW GROUND SURFACE	METAL	ZINC
OCS-A3.169	0 - 10 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCS-A3.170	0 - 10 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCS-A3.171	0 - 10 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCS-A3.172	0 - 10 FEET BELOW GROUND SURFACE	ORG	BIS (2-ETHYLHEXYL) PHTHALATE
OCS-A3.173	0 - 10 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE
OCS-A3.174	0 - 10 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCS-A3.175	0 - 10 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCS-A3.176	0 - 10 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCS-A3.177	0 - 10 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCS-A3.178	0 - 10 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCS-A3.179	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCS-A3.180	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCS-A3.181	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCS-A3.182	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCS-A3.183	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCS-A3.184	0 - 10 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCS-A3.185	0 - 10 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCS-A3.186	0 - 10 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCS-A3.187	0 - 10 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCS-A3.188	0 - 10 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCS-A3.189	0 - 10 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCS-A3.190	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCS-A3.191	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCS-A3.192	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCS-A3.193	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCS-A3.194	0 - 10 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCS-A3.195	0 - 10 FEET BELOW GROUND SURFACE	PEST	4,4-DDE
OCS-A3.196	0 - 10 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCS-A3.197	0 - 10 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL

OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.85
- ≥0.85 - 2.70
- ≥2.70 - 6.40
- ≥6.40 - 19.00
- ≥19.00 - 67.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

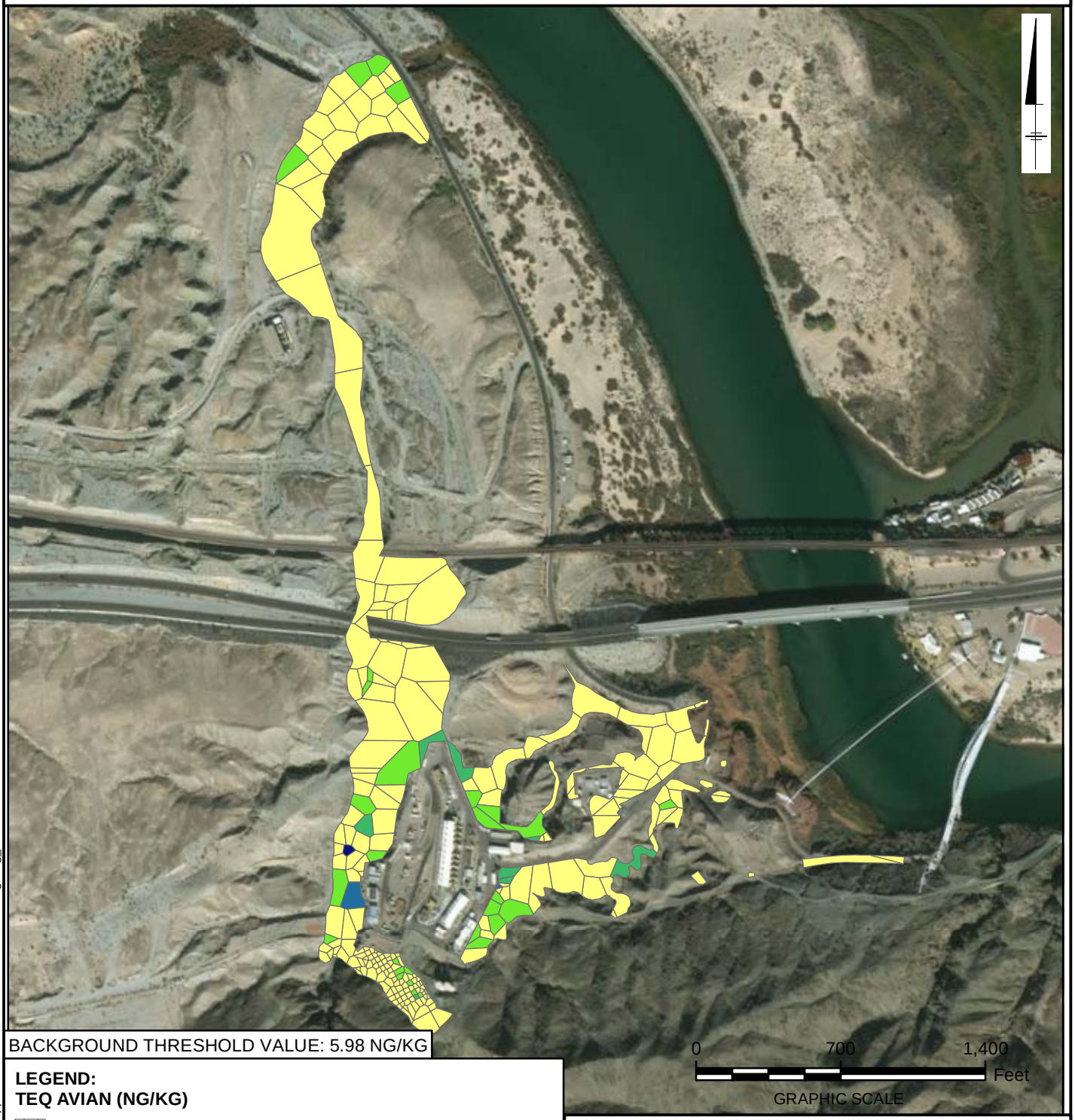
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A31

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 52.00
- ≥52.00 - 180.00
- ≥180.00 - 440.00
- ≥440.00 - 1100.00
- ≥1100.00 - 11000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

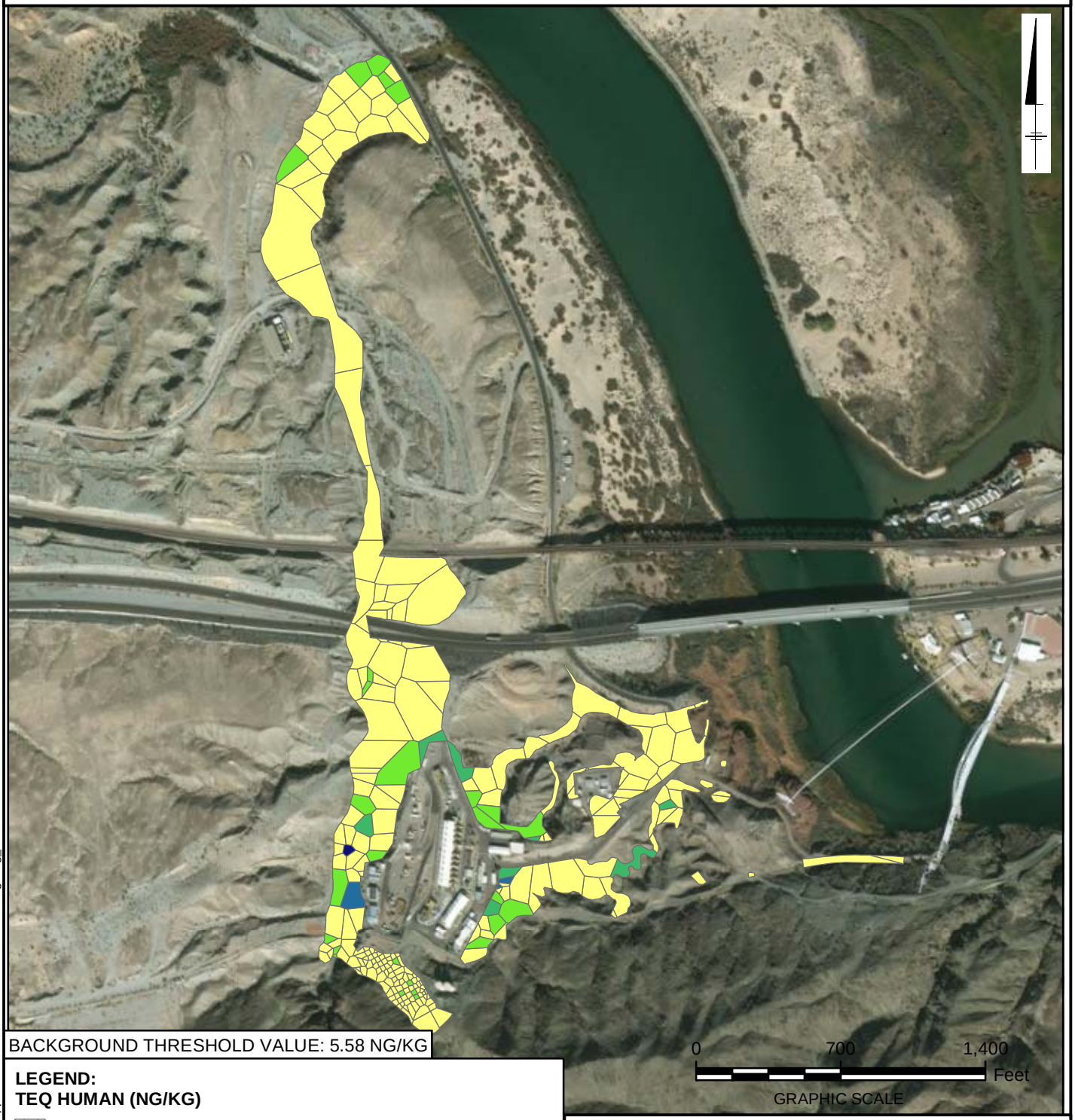
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A32

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 67.00
- ≥67.00 - 250.00
- ≥250.00 - 580.00
- ≥580.00 - 1600.00
- ≥1600.00 - 12000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

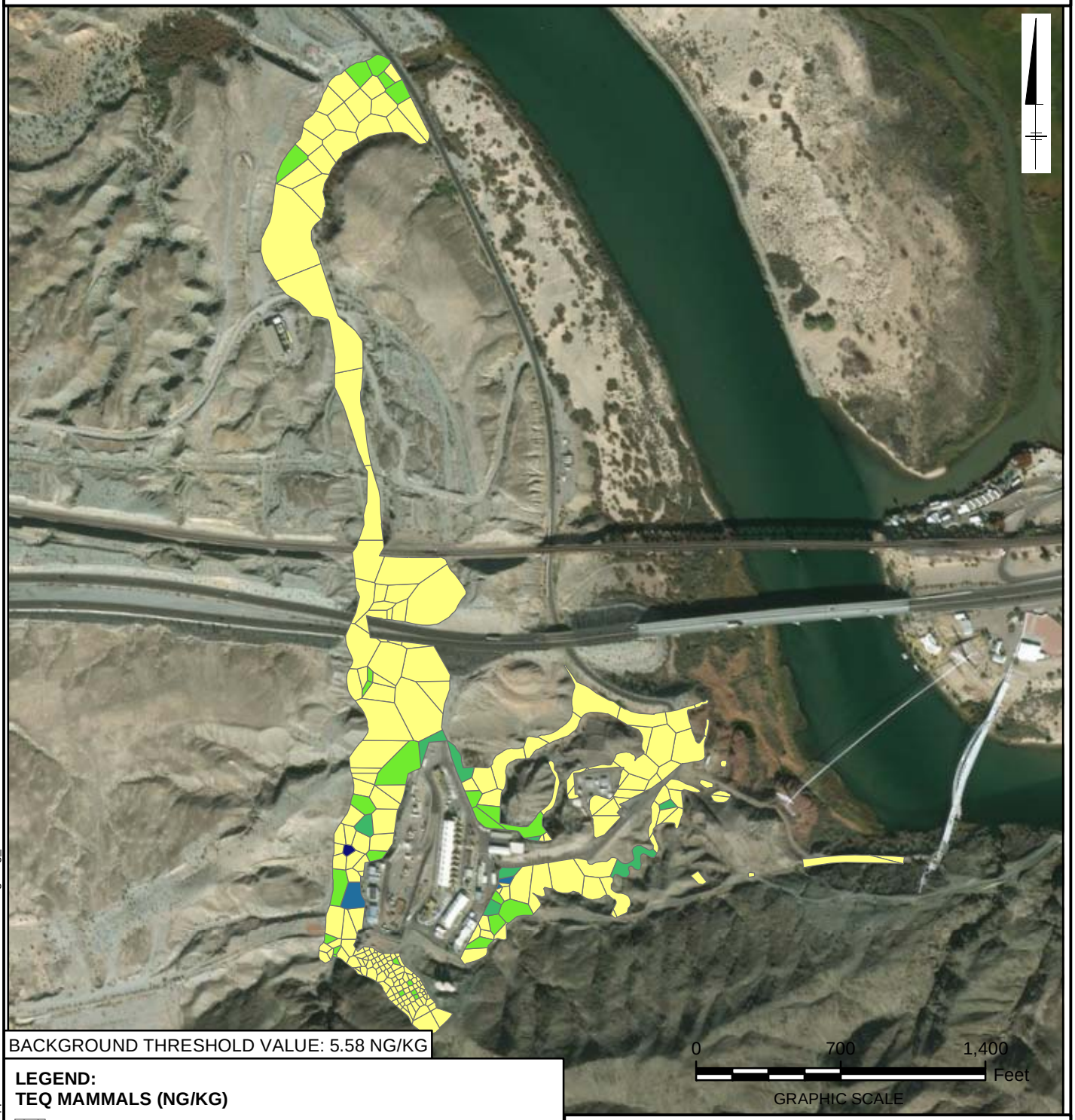
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A33

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 67.00
- ≥67.00 - 250.00
- ≥250.00 - 580.00
- ≥580.00 - 1600.00
- ≥1600.00 - 12000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

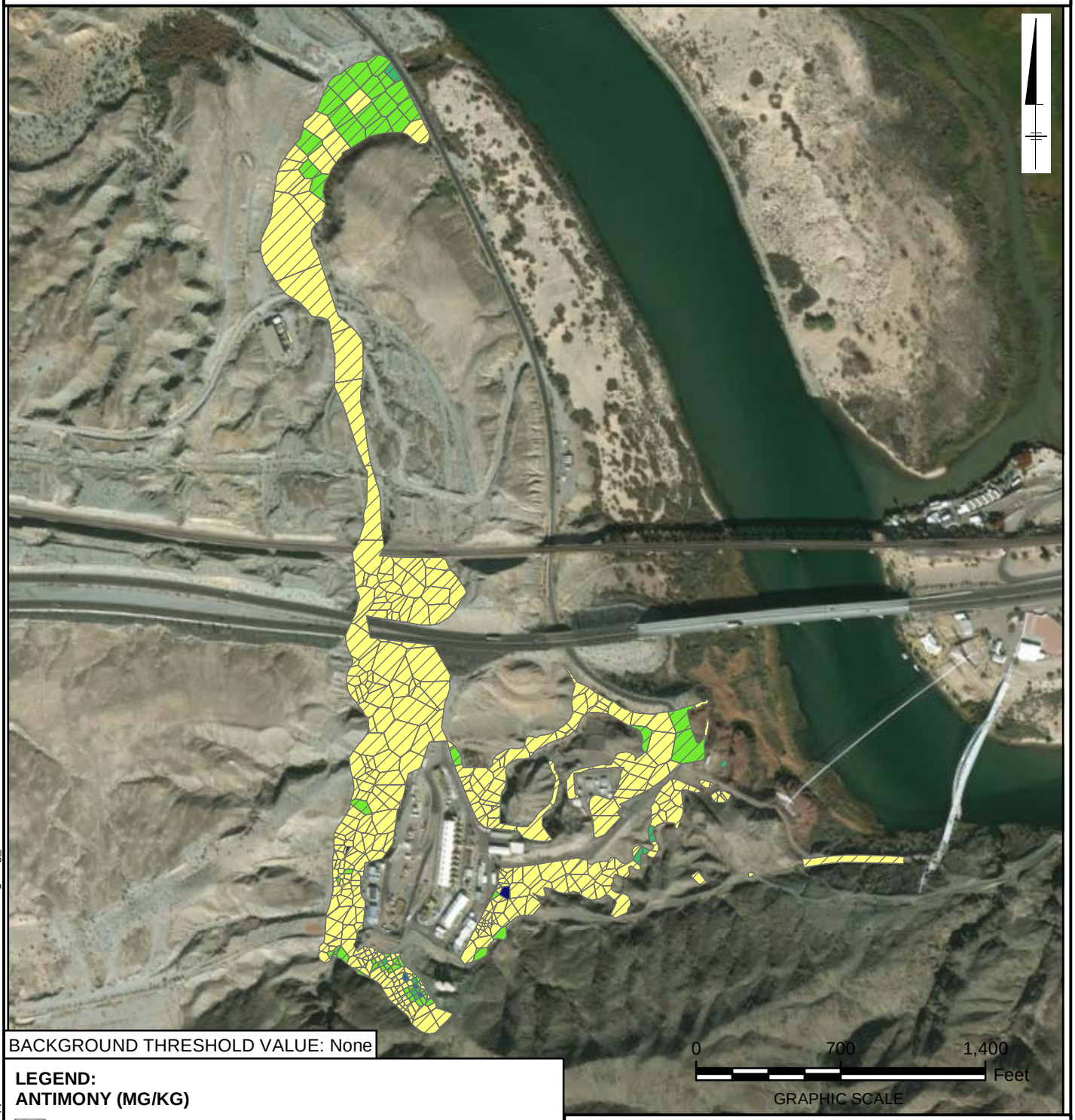
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.4

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 1.00 - 1.05
- ≥1.05 - 1.30
- ≥1.30 - 2.85
- ≥2.85 - 5.50
- ≥5.50 - 18.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

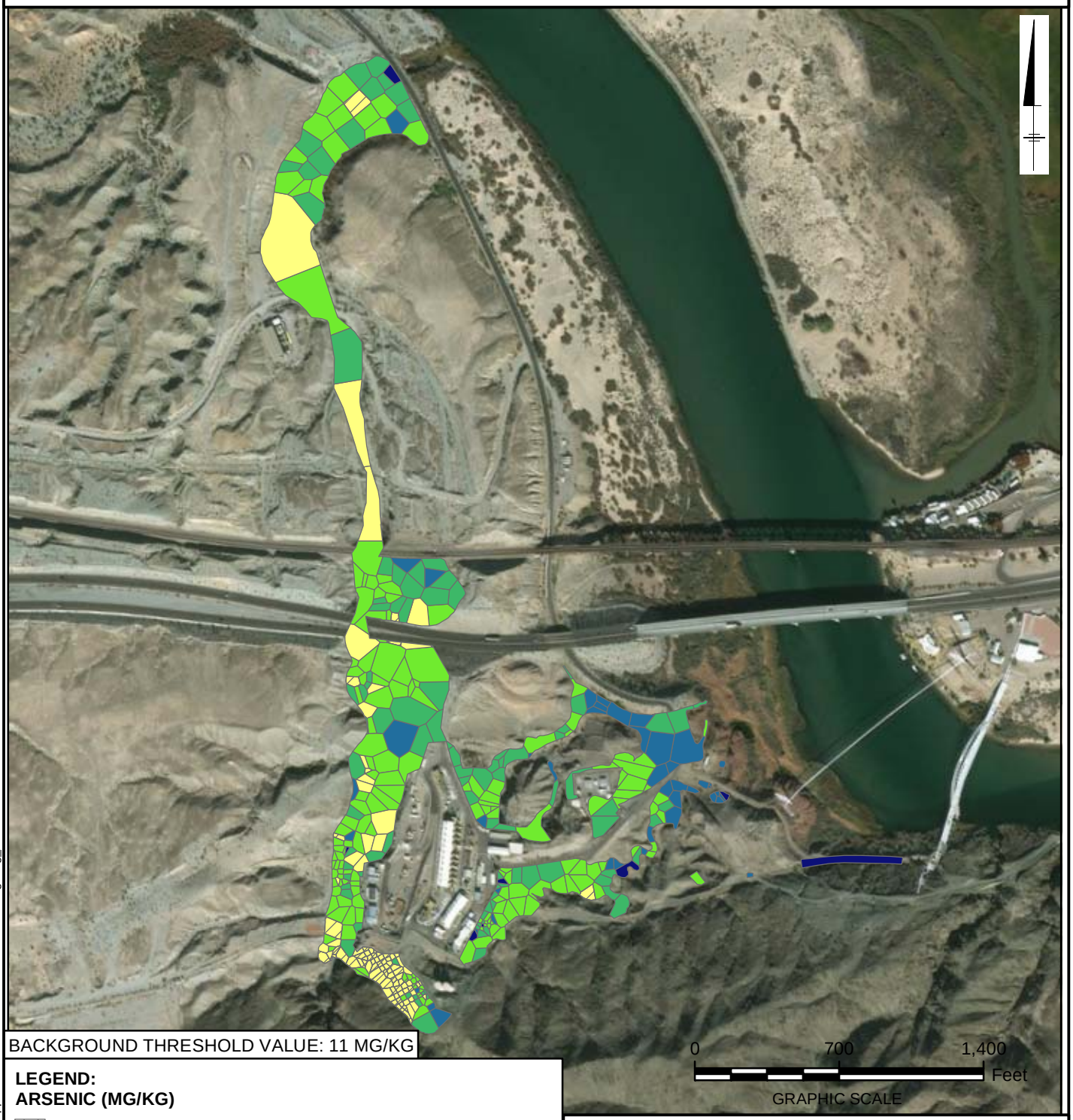
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A35

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.90
- ≥1.90 - 3.90
- ≥3.90 - 6.30
- ≥6.30 - 9.80
- ≥9.80 - 14.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

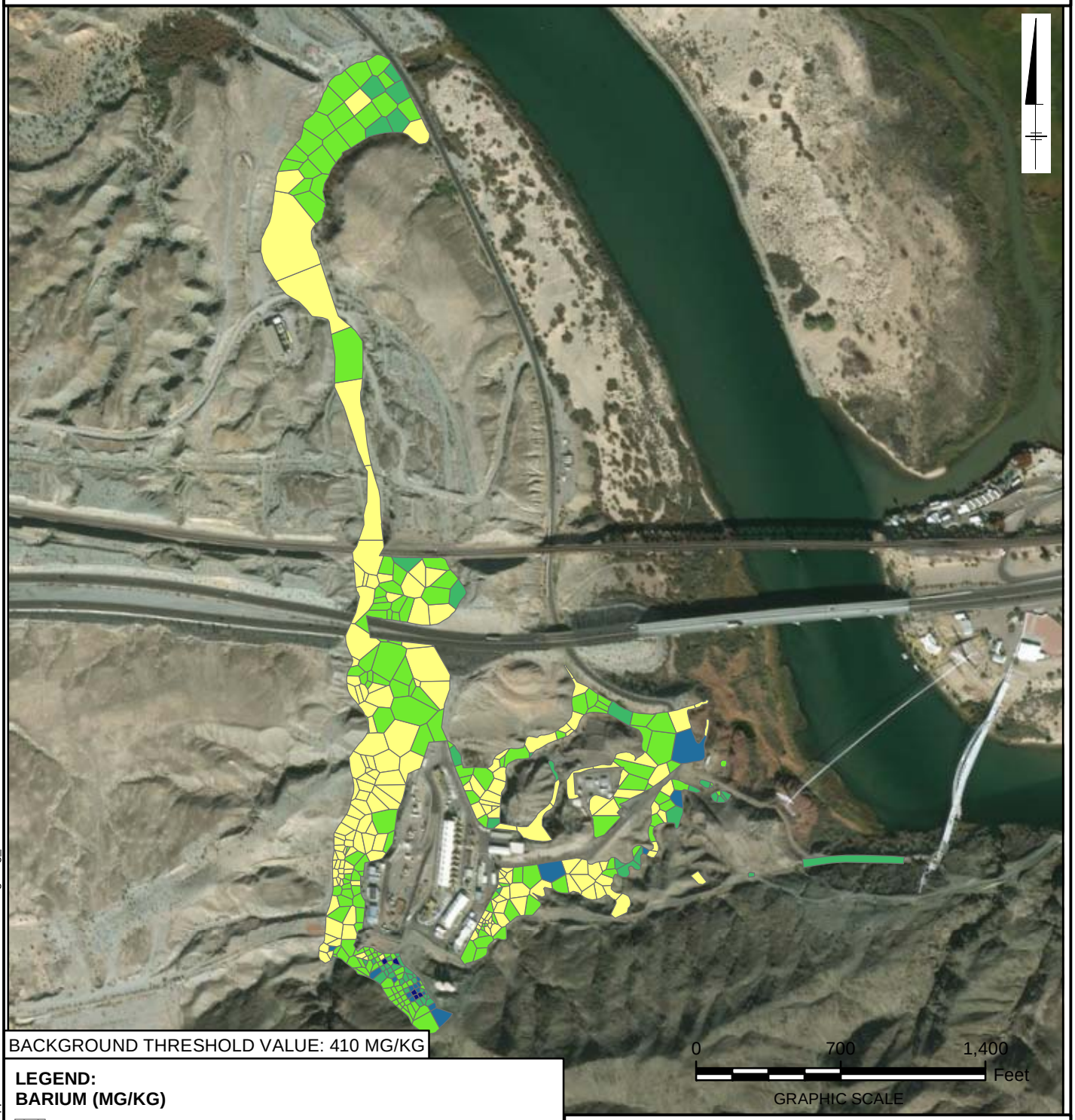
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.6

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 37.00 - 120.00
- ≥120.00 - 220.00
- ≥220.00 - 360.00
- ≥360.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

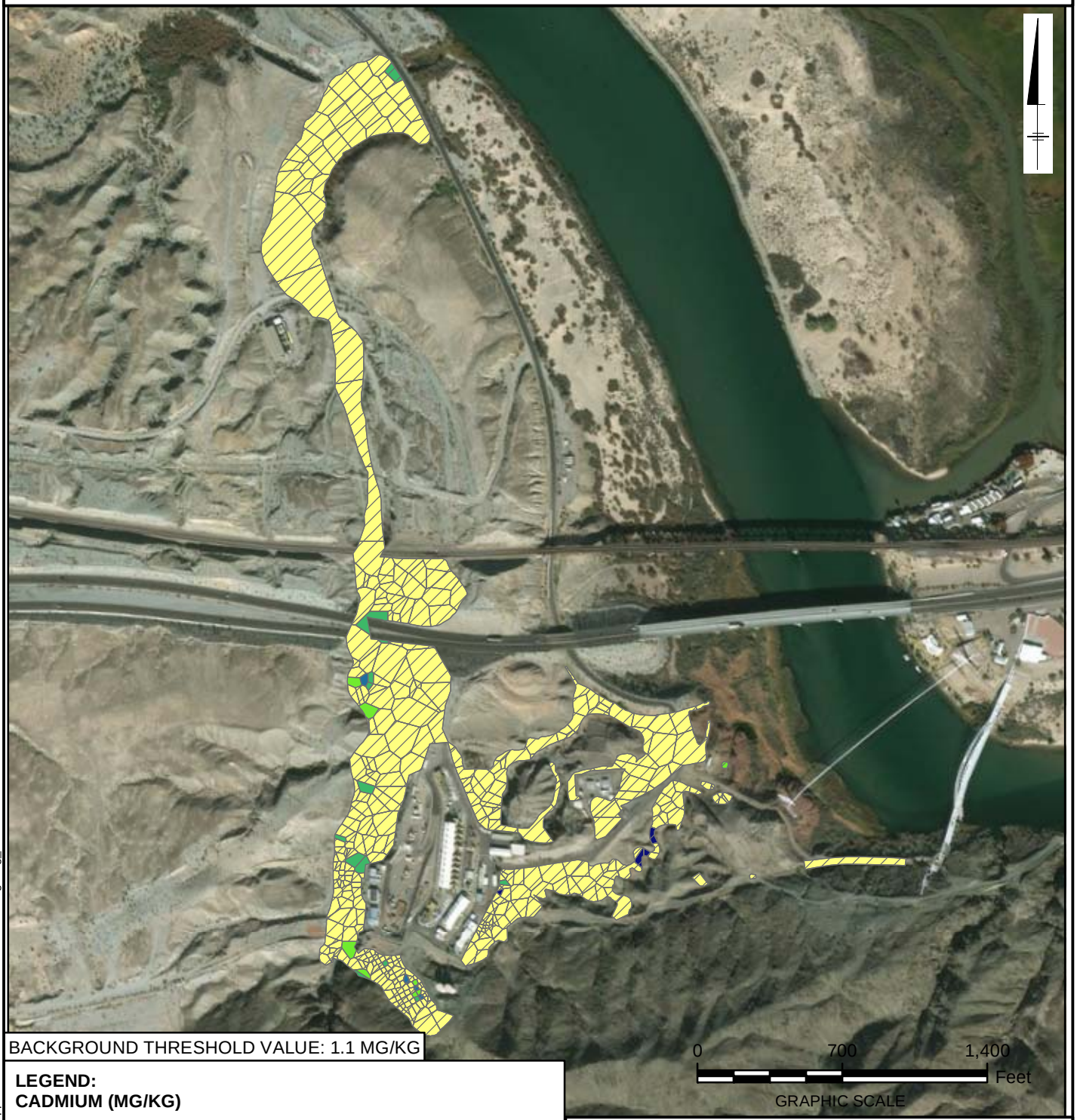
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.7

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.65
- ≥0.65 - 1.30
- ≥1.30 - 1.80
- ≥1.80 - 2.75
- ≥2.75 - 7.40

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

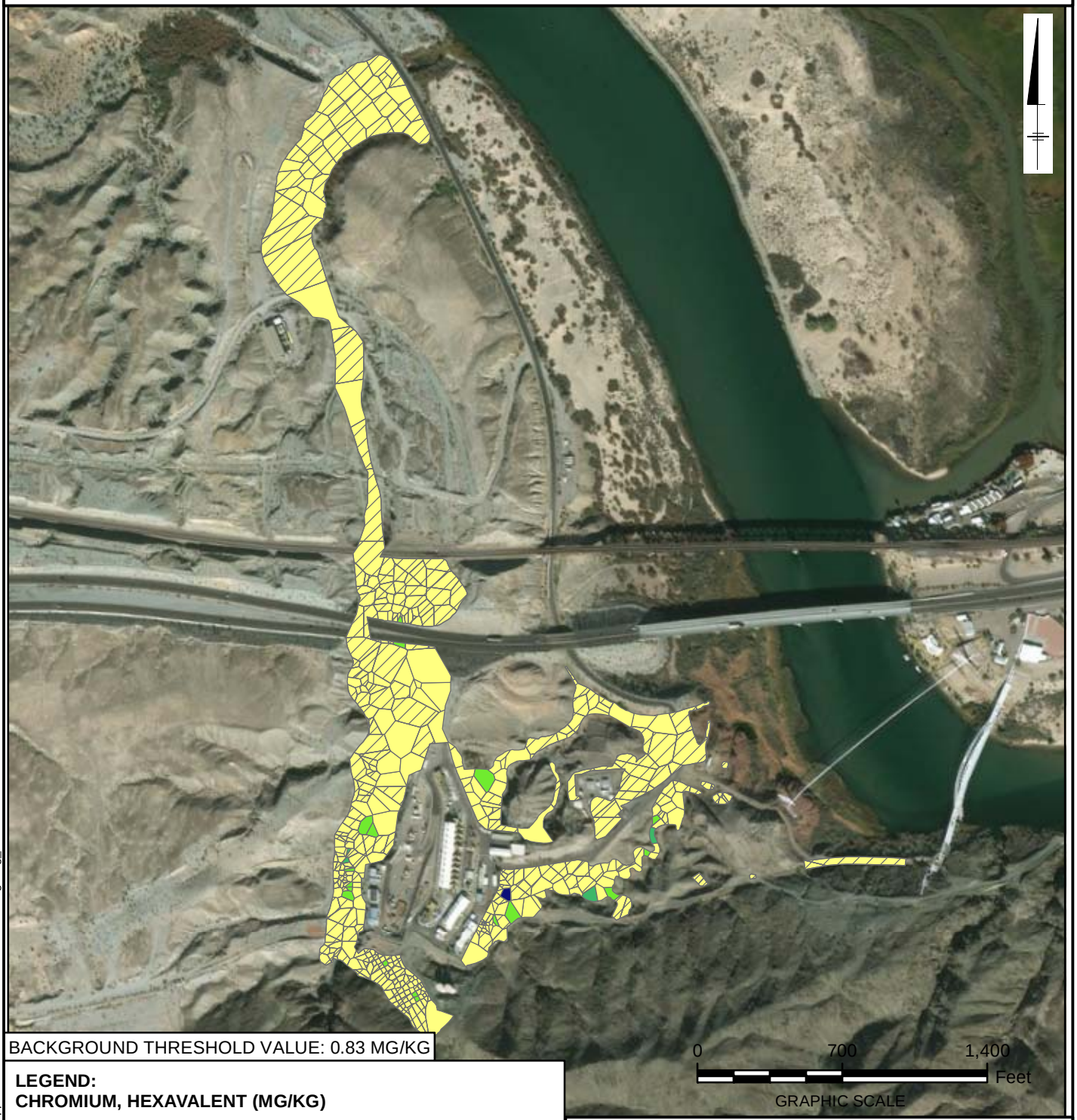
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.8

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.03 - 5.00
- ≥5.00 - 16.00
- ≥16.00 - 48.60
- ≥48.60 - 114.00
- ≥114.00 - 2700.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

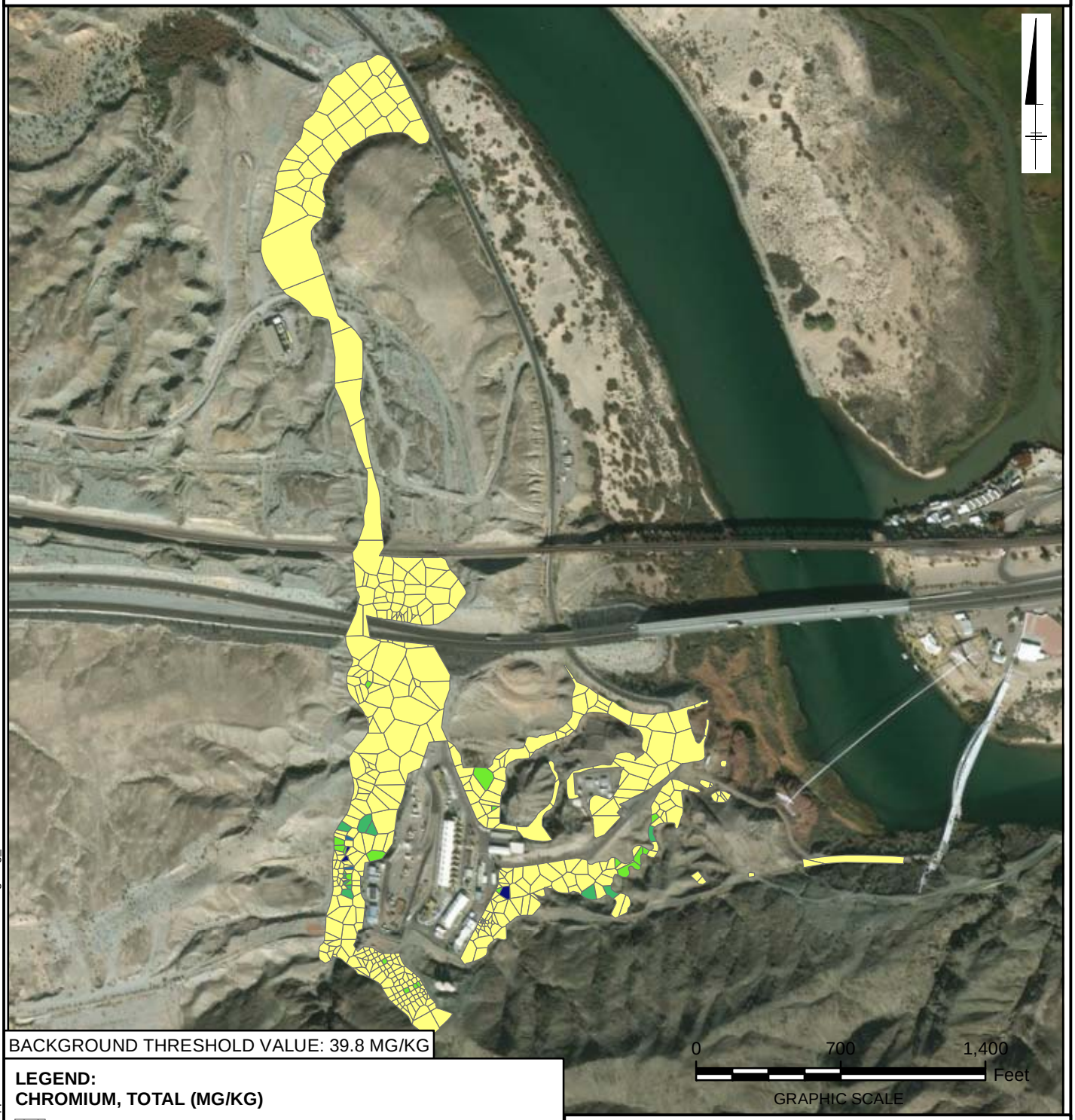
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.9

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 4.90 - 100.00
- ≥100.00 - 320.00
- ≥320.00 - 909.00
- ≥909.00 - 1400.00
- ≥1400.00 - 2800.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

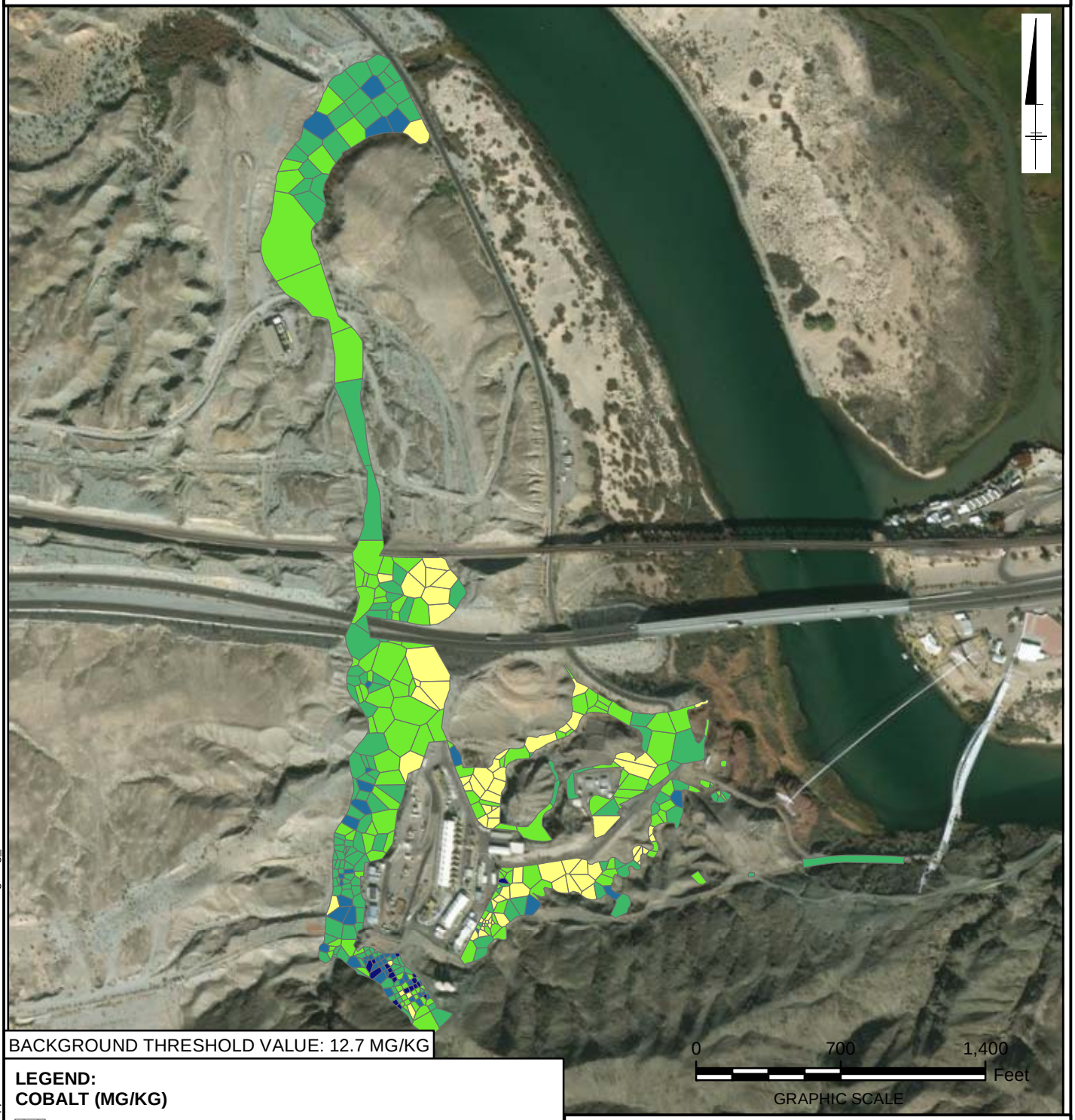
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.10

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 2.20 - 5.00
- ≥5.00 - 7.00
- ≥7.00 - 9.20
- ≥9.20 - 12.00
- ≥12.00 - 27.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

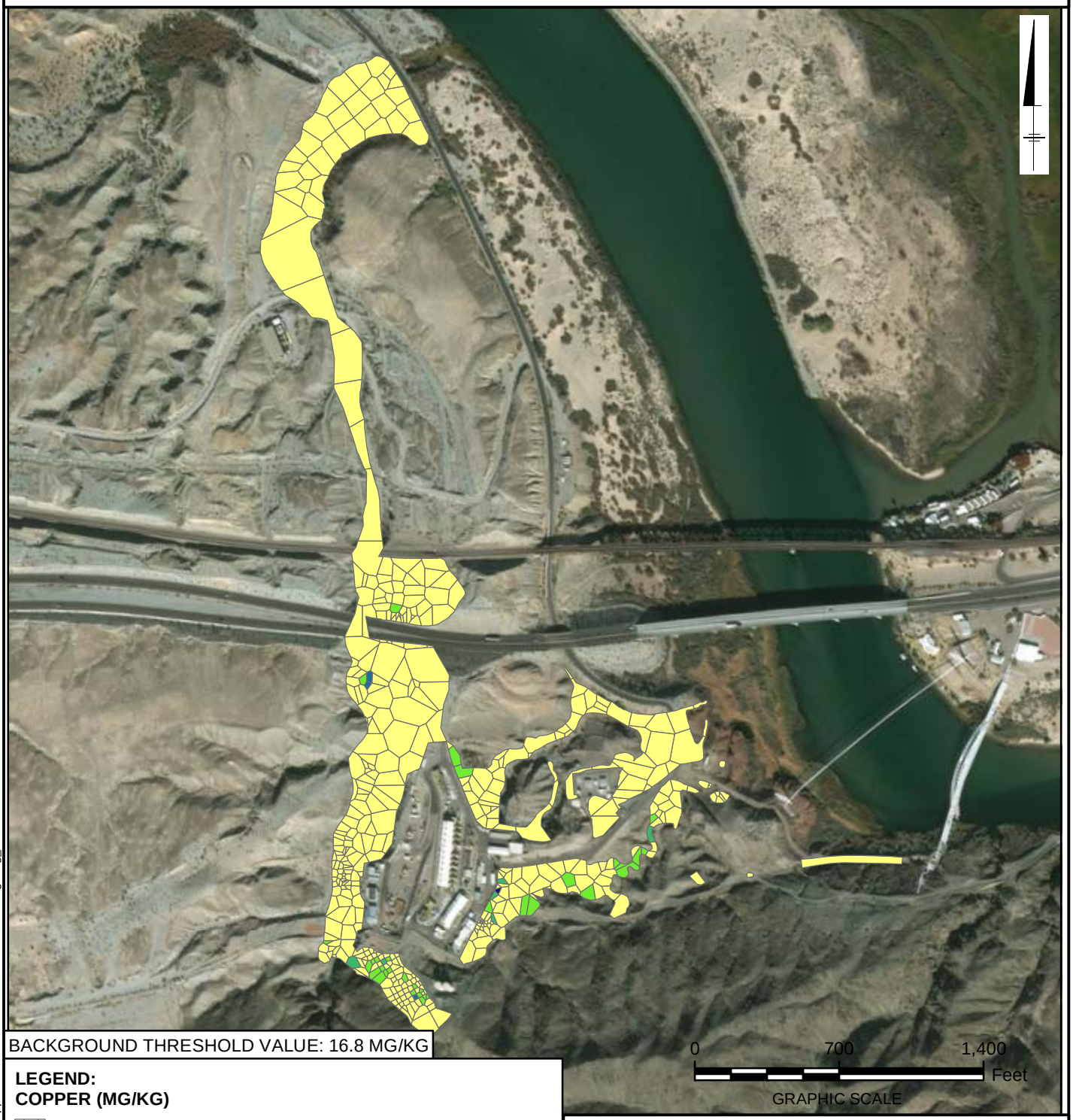
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.11

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 2.20 - 29.00
- ≥29.00 - 90.00
- ≥90.00 - 270.00
- ≥270.00 - 790.00
- ≥790.00 - 3100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

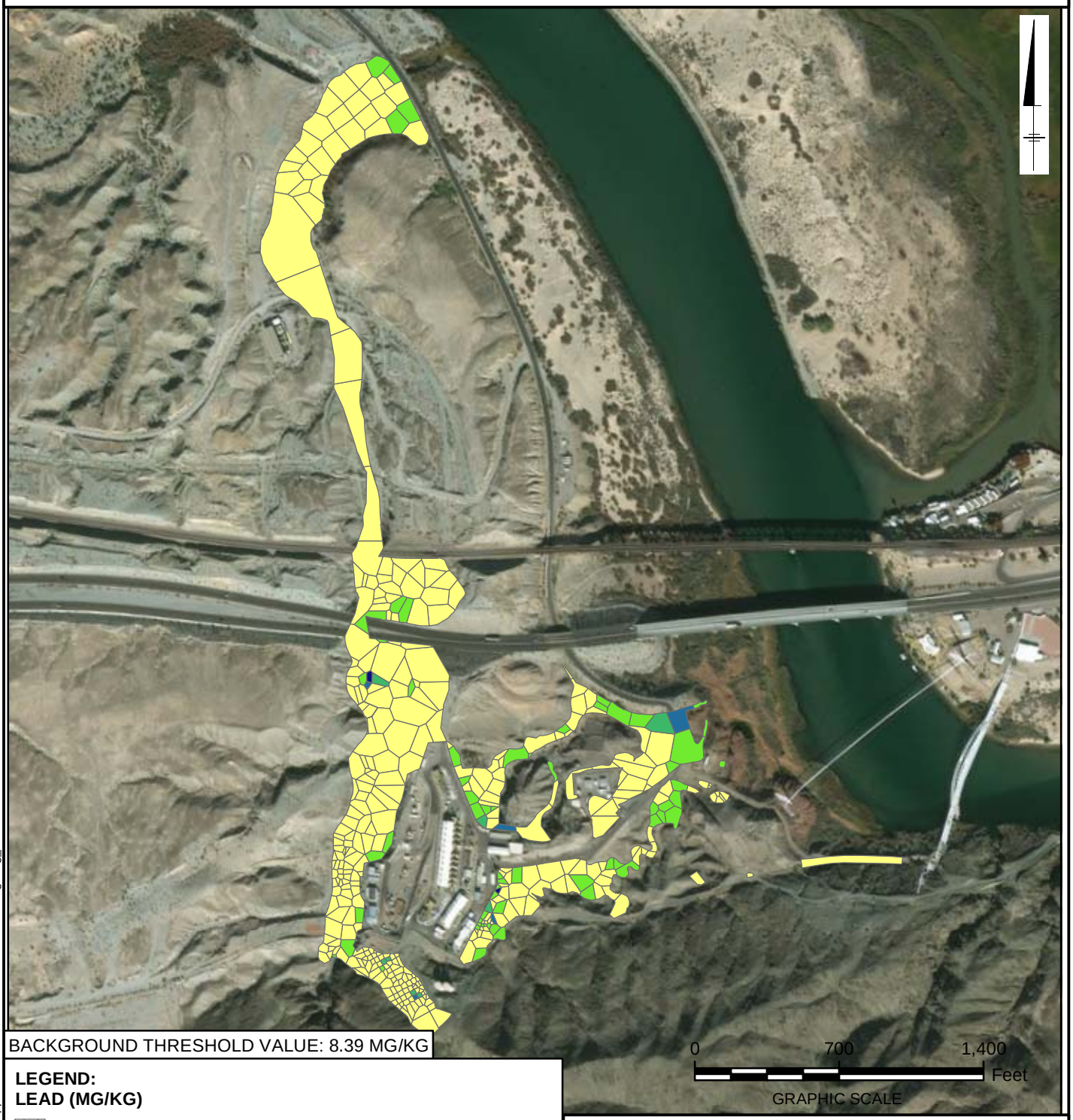
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.12

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.55 - 14.30
- ≥14.30 - 41.00
- ≥41.00 - 96.00
- ≥96.00 - 220.00
- ≥220.00 - 920.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

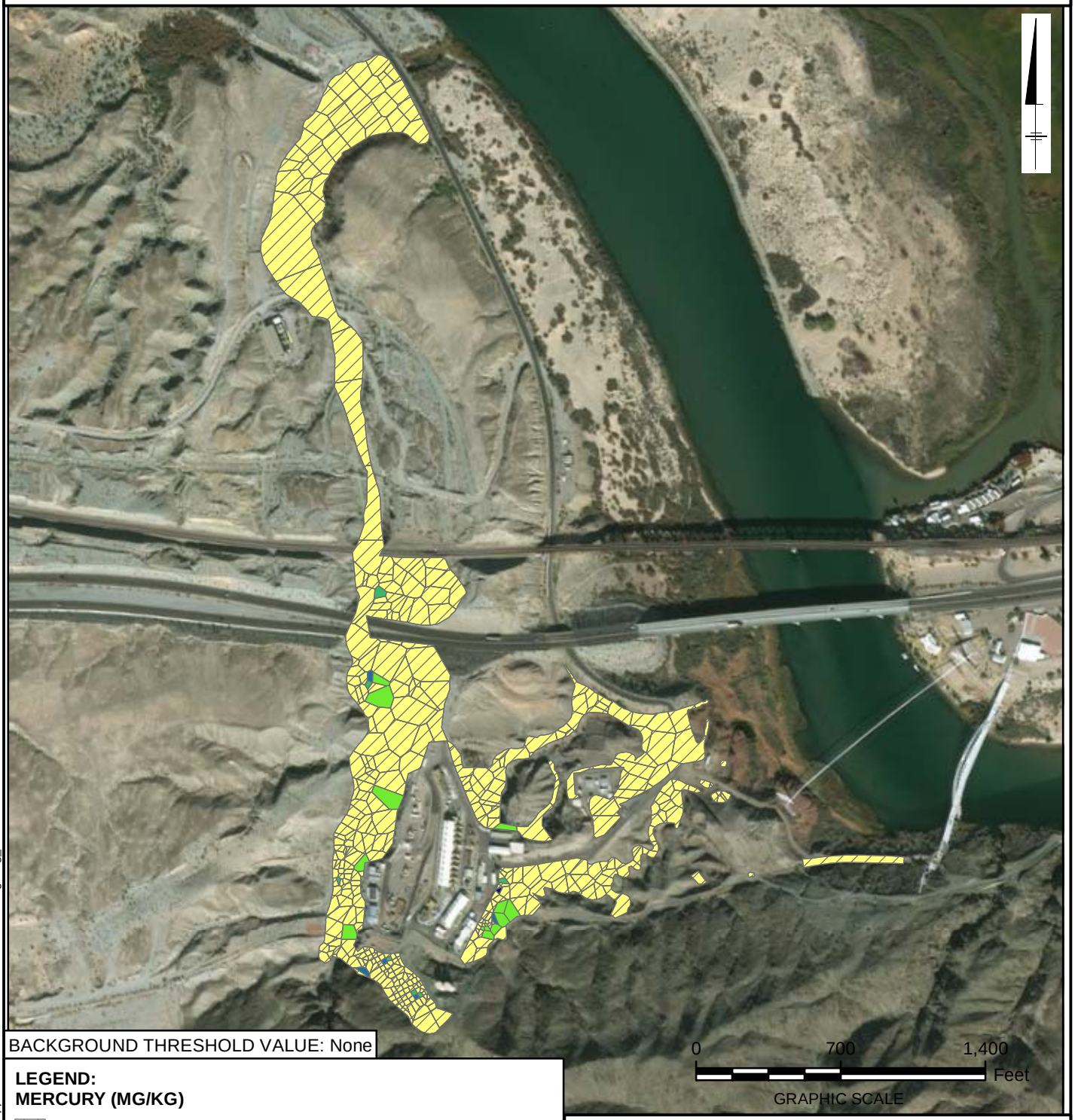
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.13

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.07
- ≥0.07 - 0.18
- ≥0.18 - 0.41
- ≥0.41 - 0.74
- ≥0.74 - 35.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

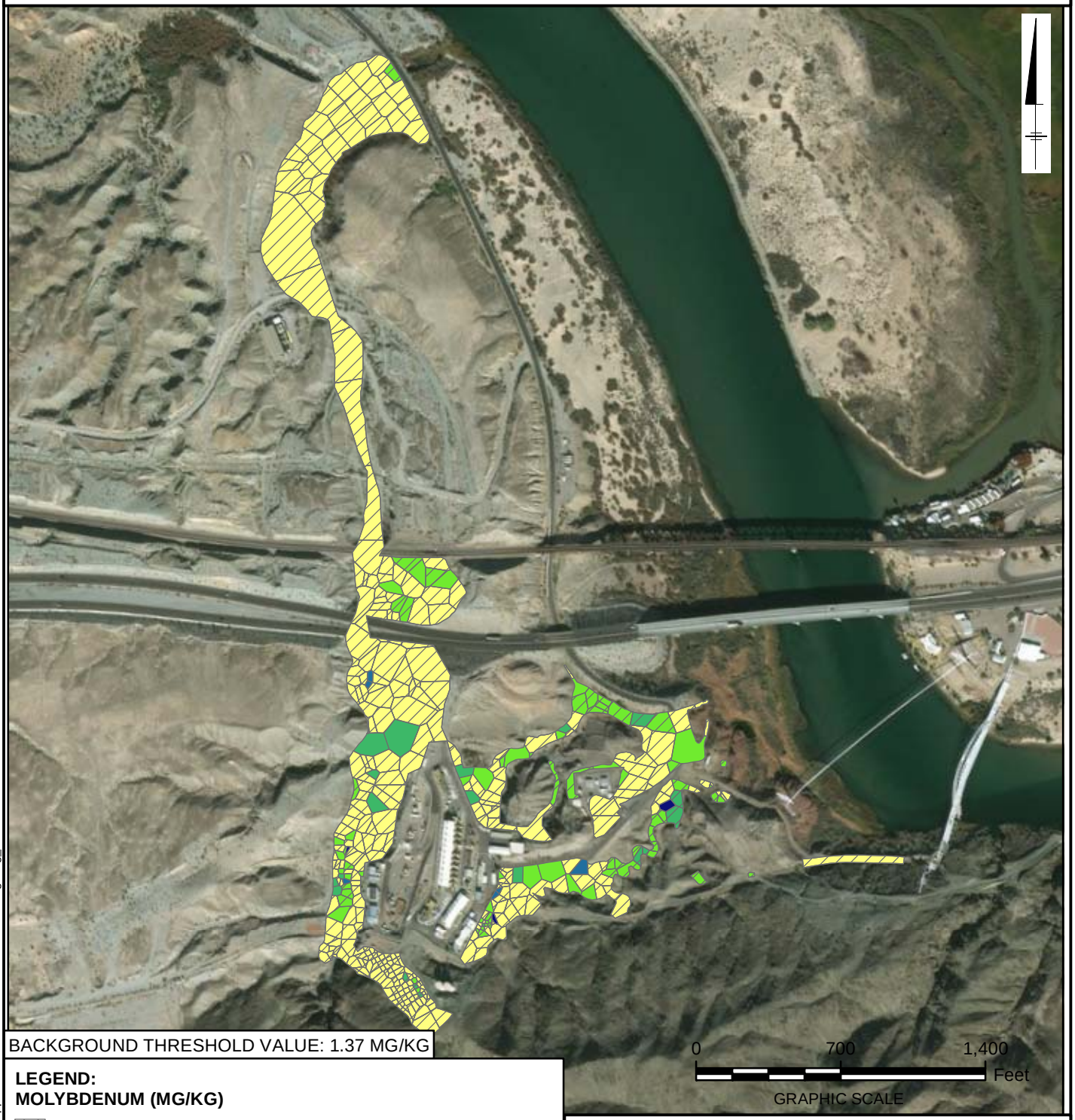
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.14

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.65
- ≥0.65 - 1.70
- ≥1.70 - 3.30
- ≥3.30 - 11.00
- ≥11.00 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

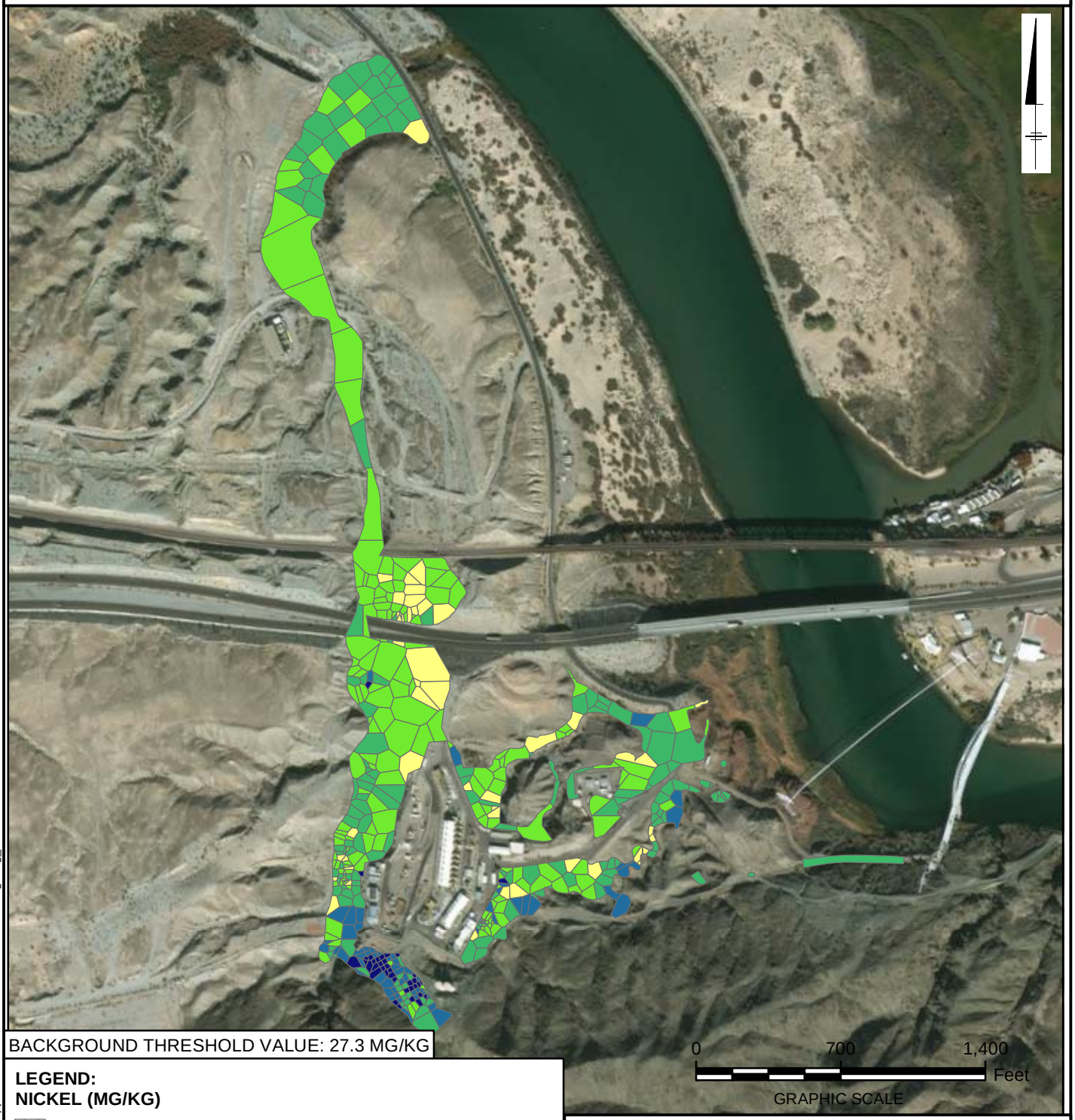
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.15

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 7.60
- ≥7.60 - 12.40
- ≥12.40 - 19.00
- ≥19.00 - 31.00
- ≥31.00 - 75.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

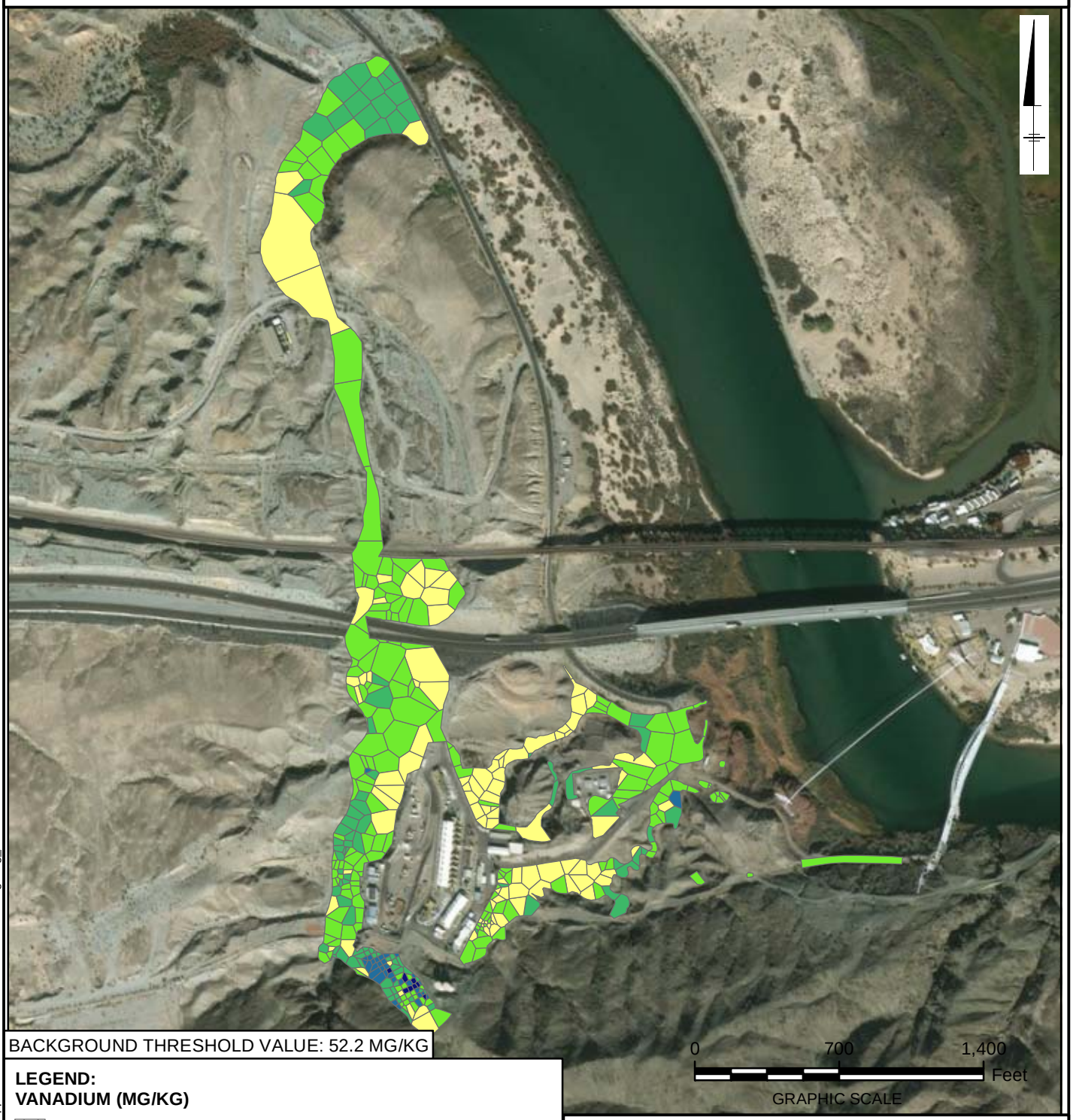
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.16

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 12.00 - 24.00
- ≥24.00 - 33.00
- ≥33.00 - 47.00
- ≥47.00 - 67.00
- ≥67.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

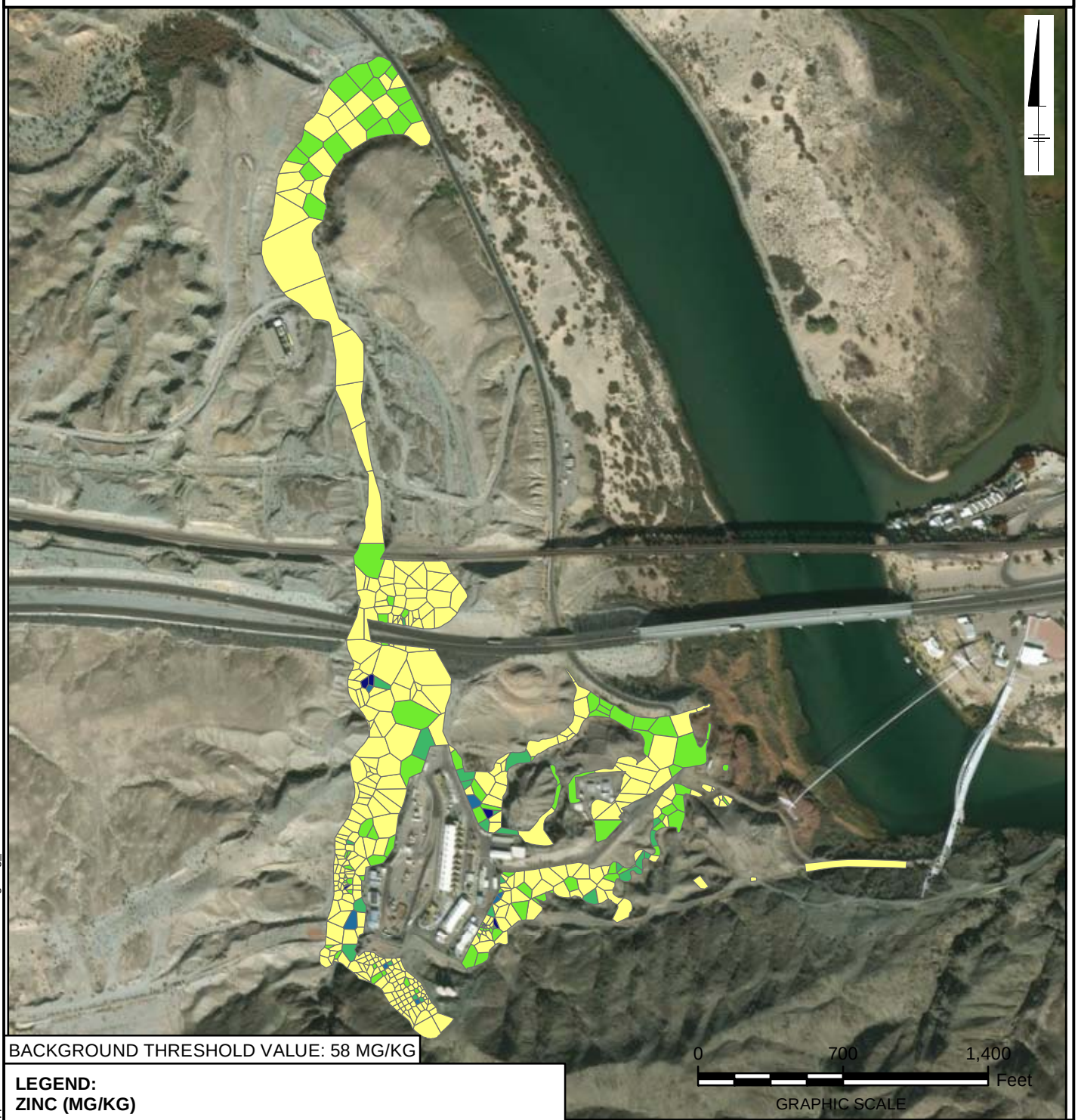
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.17

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 11.30 - 56.00
- ≥56.00 - 122.00
- ≥122.00 - 270.00
- ≥270.00 - 550.00
- ≥550.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

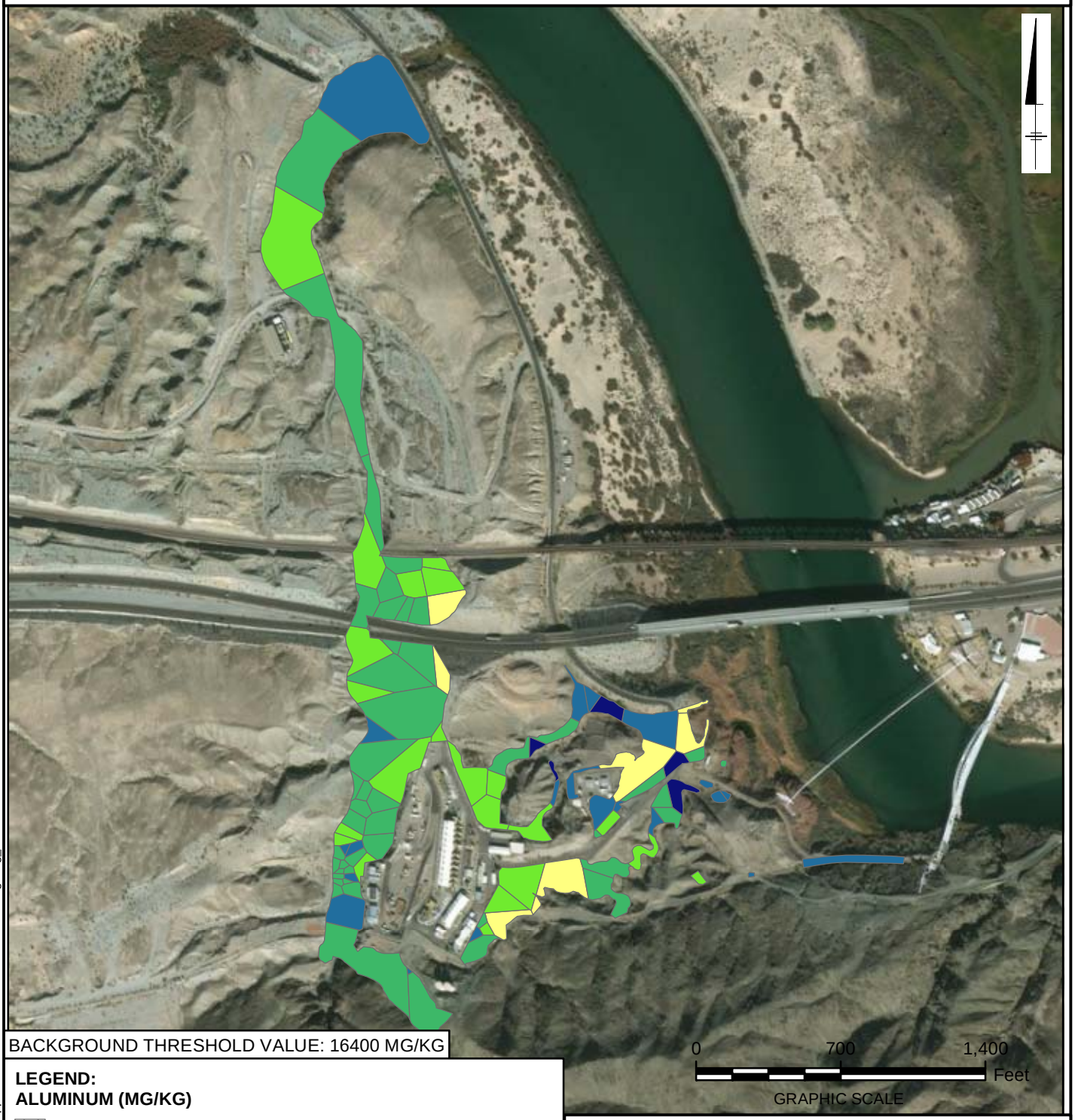
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.18

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 4900.00
- ≥4900.00 - 7200.00
- ≥7200.00 - 10000.00
- ≥10000.00 - 15000.00
- ≥15000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

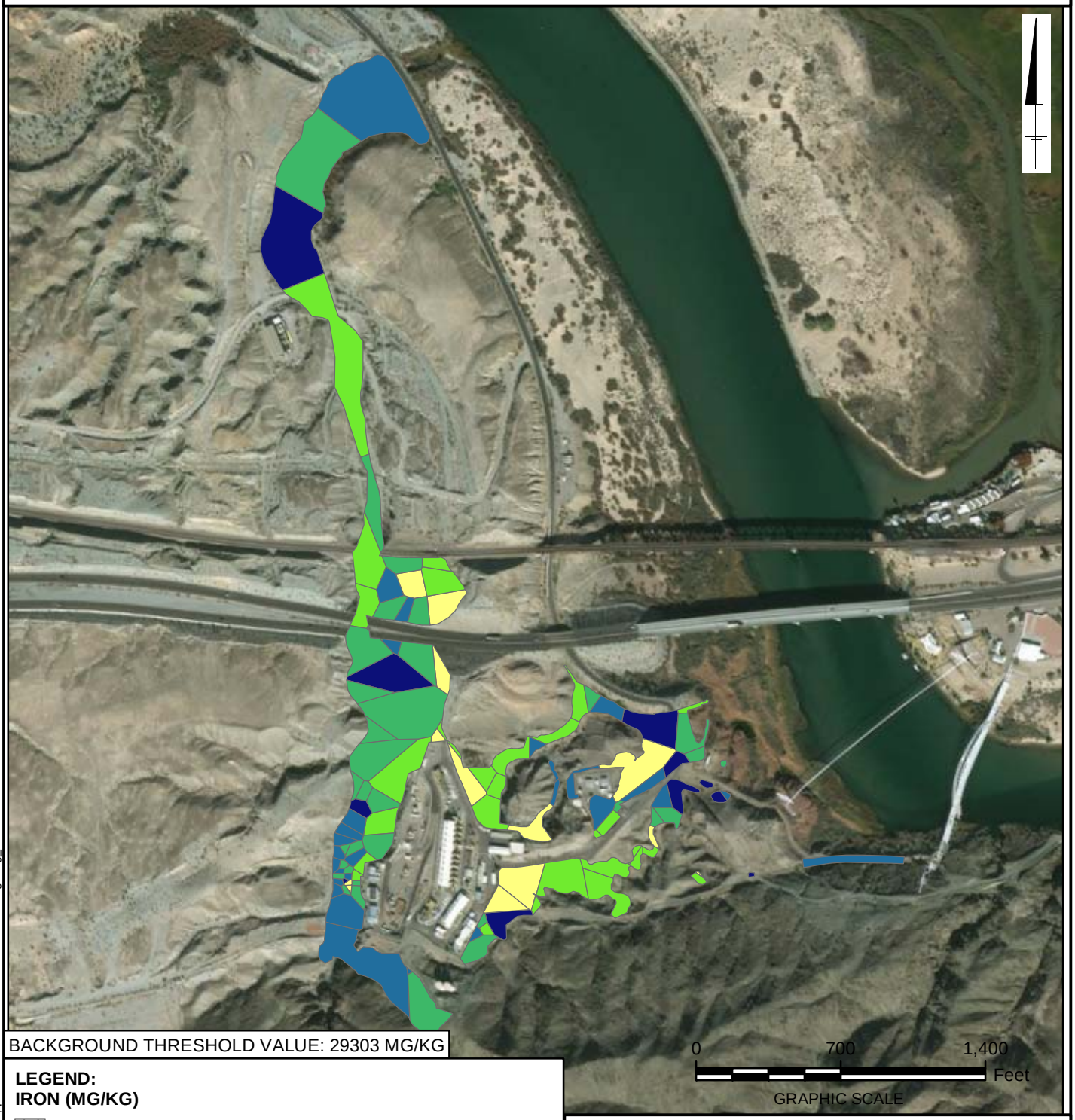
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.19

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 4760.00 - 11300.00
- ≥11300.00 - 15000.00
- ≥15000.00 - 19000.00
- ≥19000.00 - 24000.00
- ≥24000.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

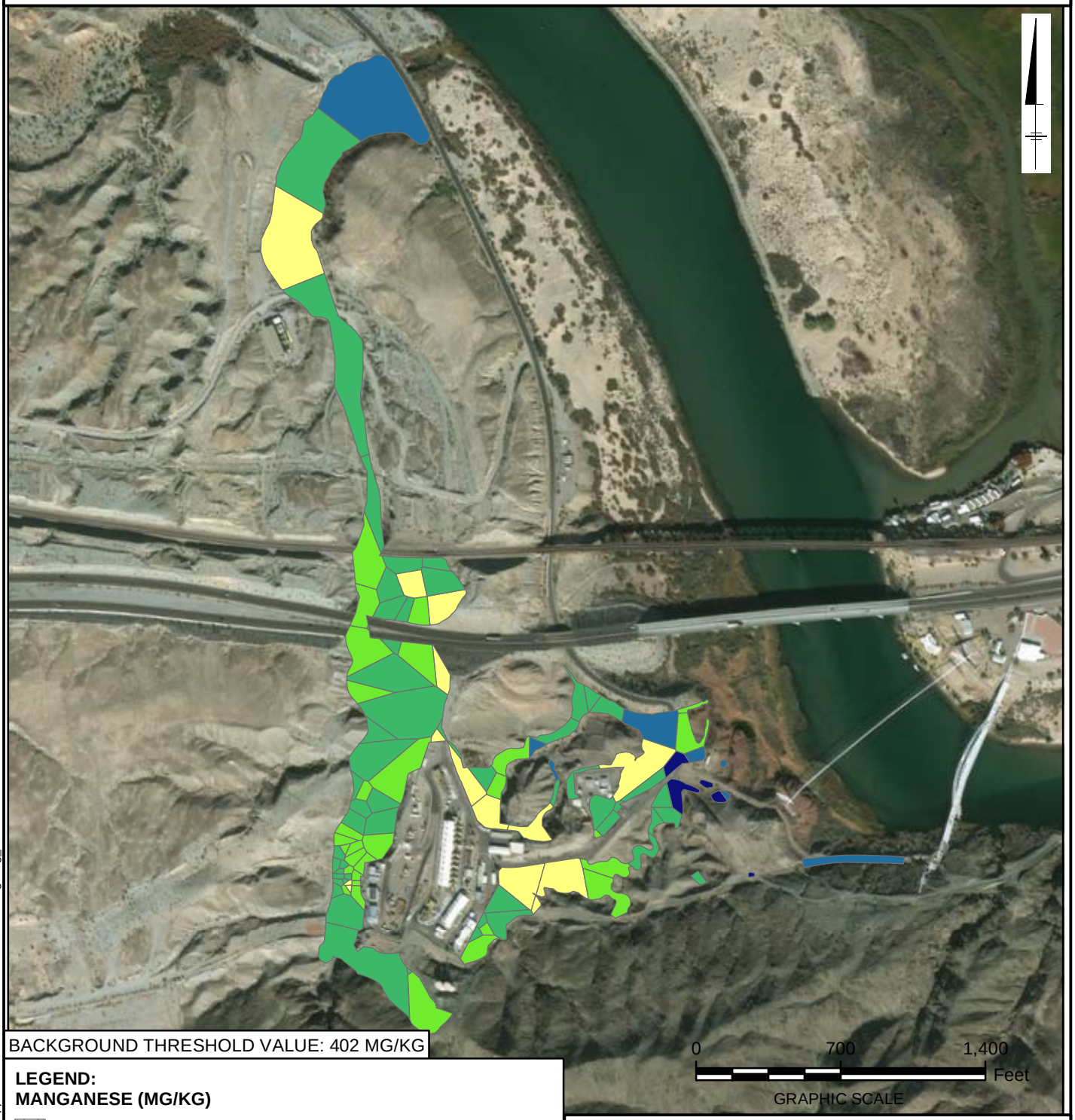
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A320

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 67.40 - 180.00
- ≥180.00 - 240.00
- ≥240.00 - 370.00
- ≥370.00 - 670.00
- ≥670.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

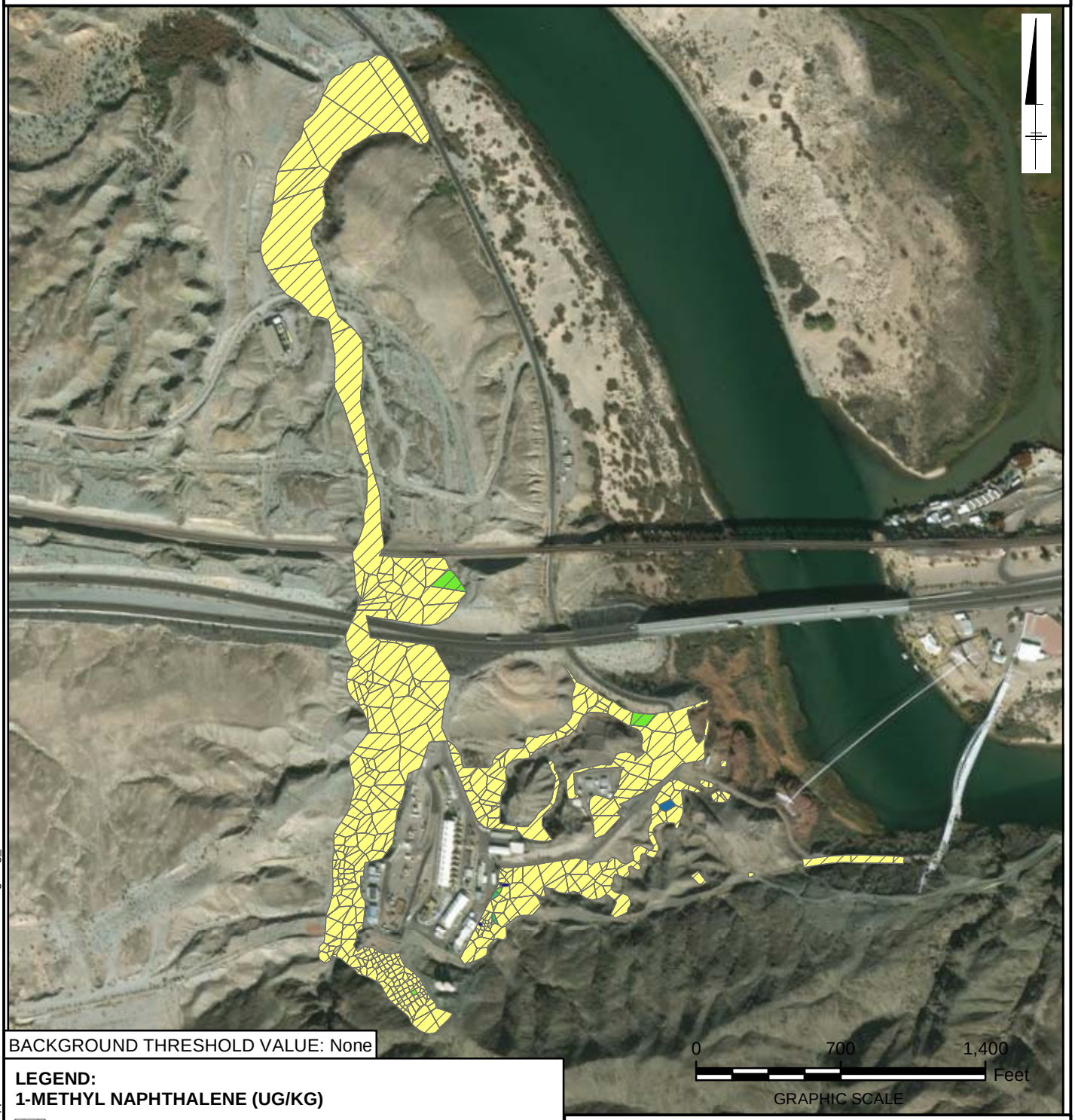
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A321

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.20
- ≥6.20 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 81.00
- ≥81.00 - 160.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

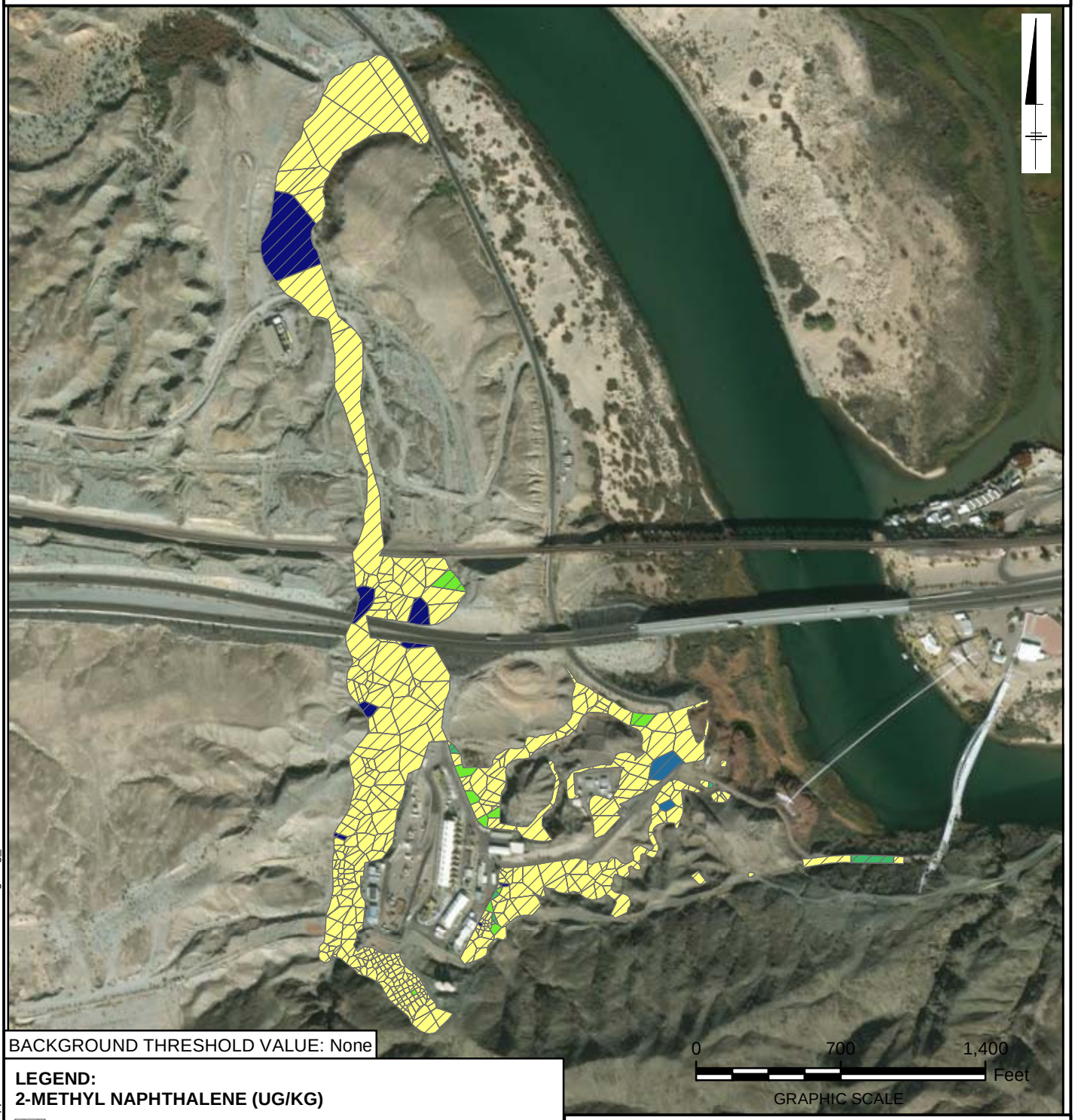
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A322

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.55
- ≥3.55 - 13.00
- ≥13.00 - 40.00
- ≥40.00 - 91.00
- ≥91.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

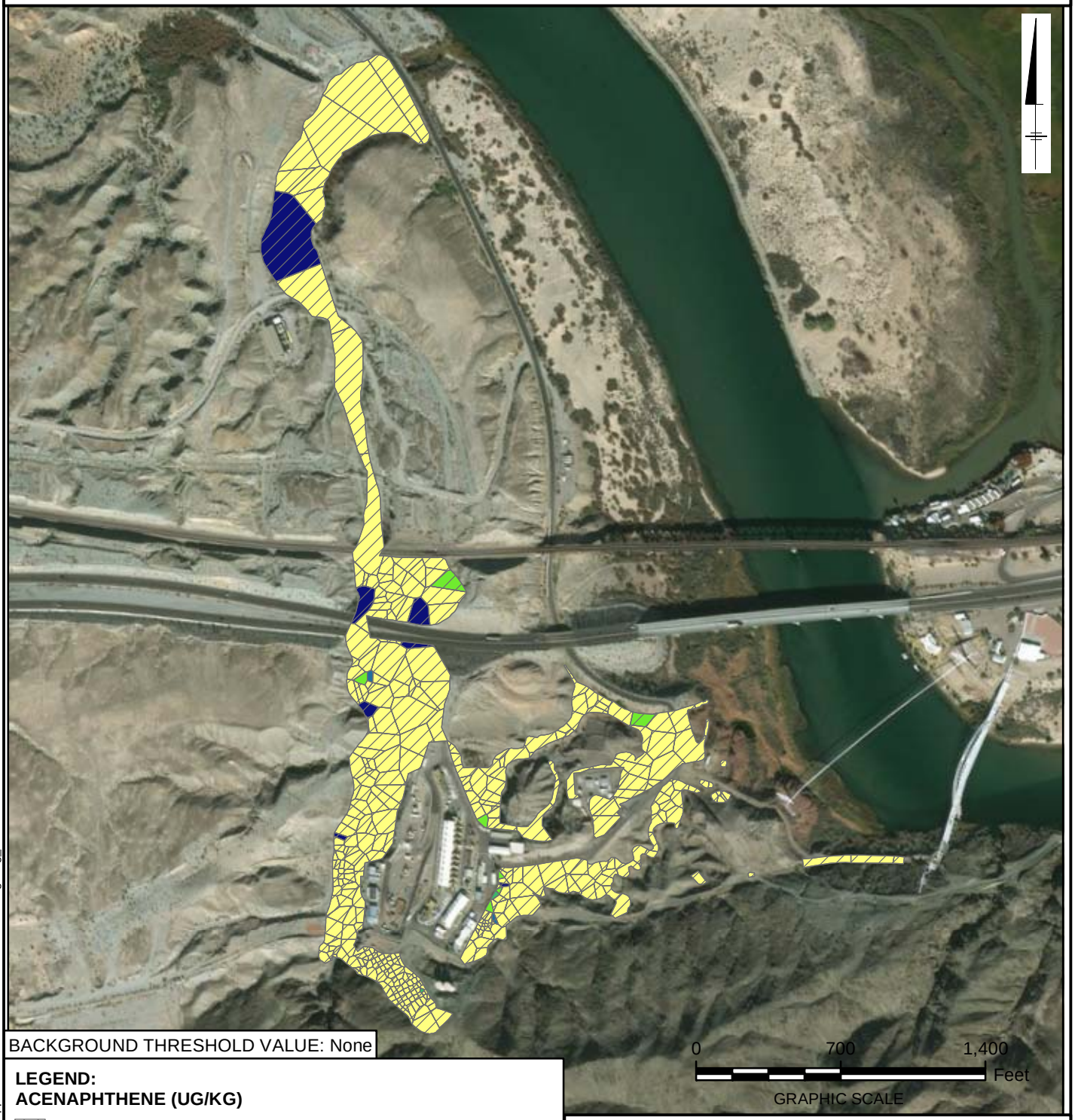
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A323

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.90
- ≥5.90 - 12.50
- ≥12.50 - 28.50
- ≥28.50 - 51.00
- ≥51.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

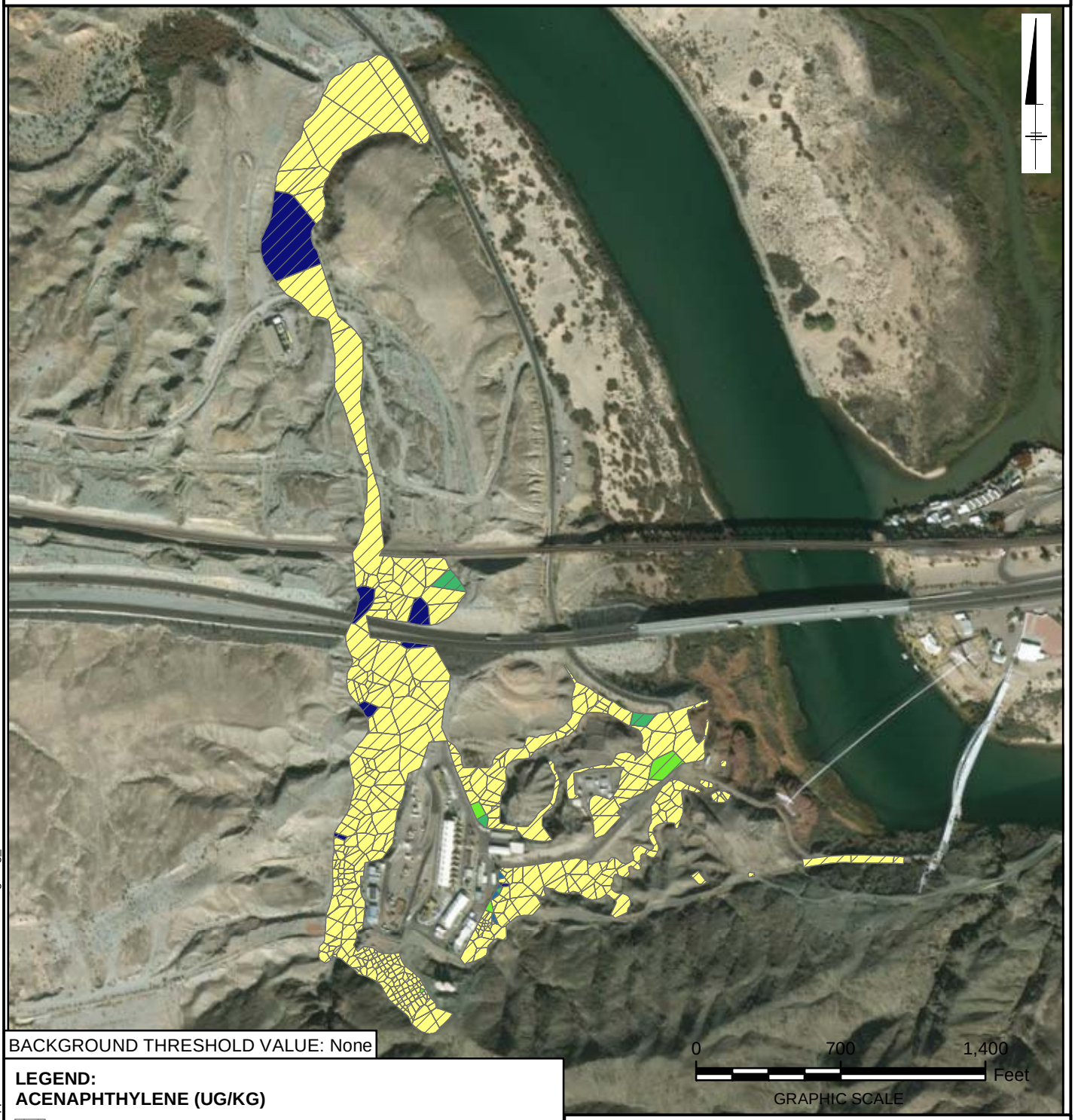
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A324

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.55
- ≥3.55 - 6.20
- ≥6.20 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

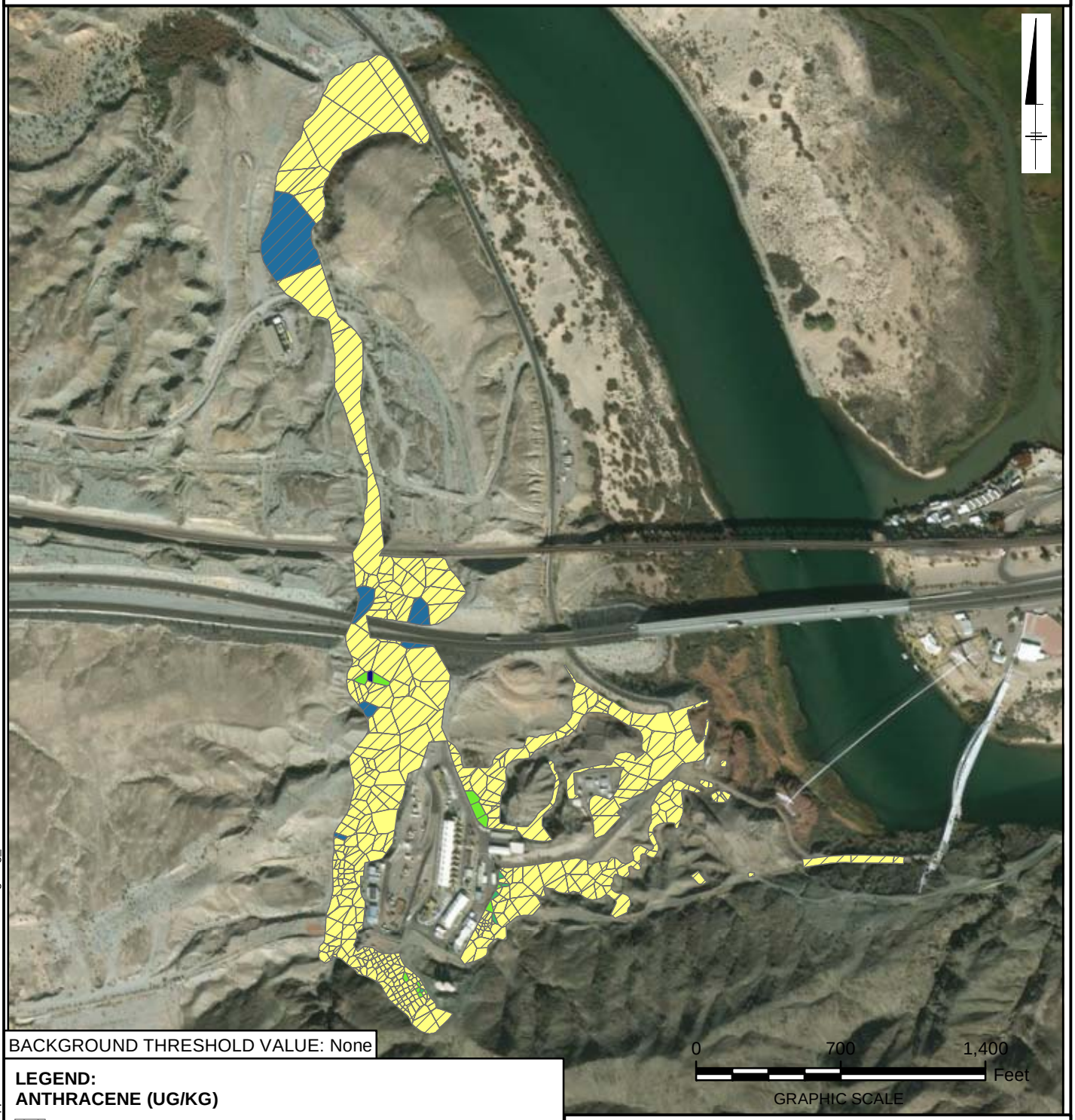
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A325

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 14.00
- ≥14.00 - 55.00
- ≥55.00 - 125.00
- ≥125.00 - 175.00
- ≥175.00 - 710.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

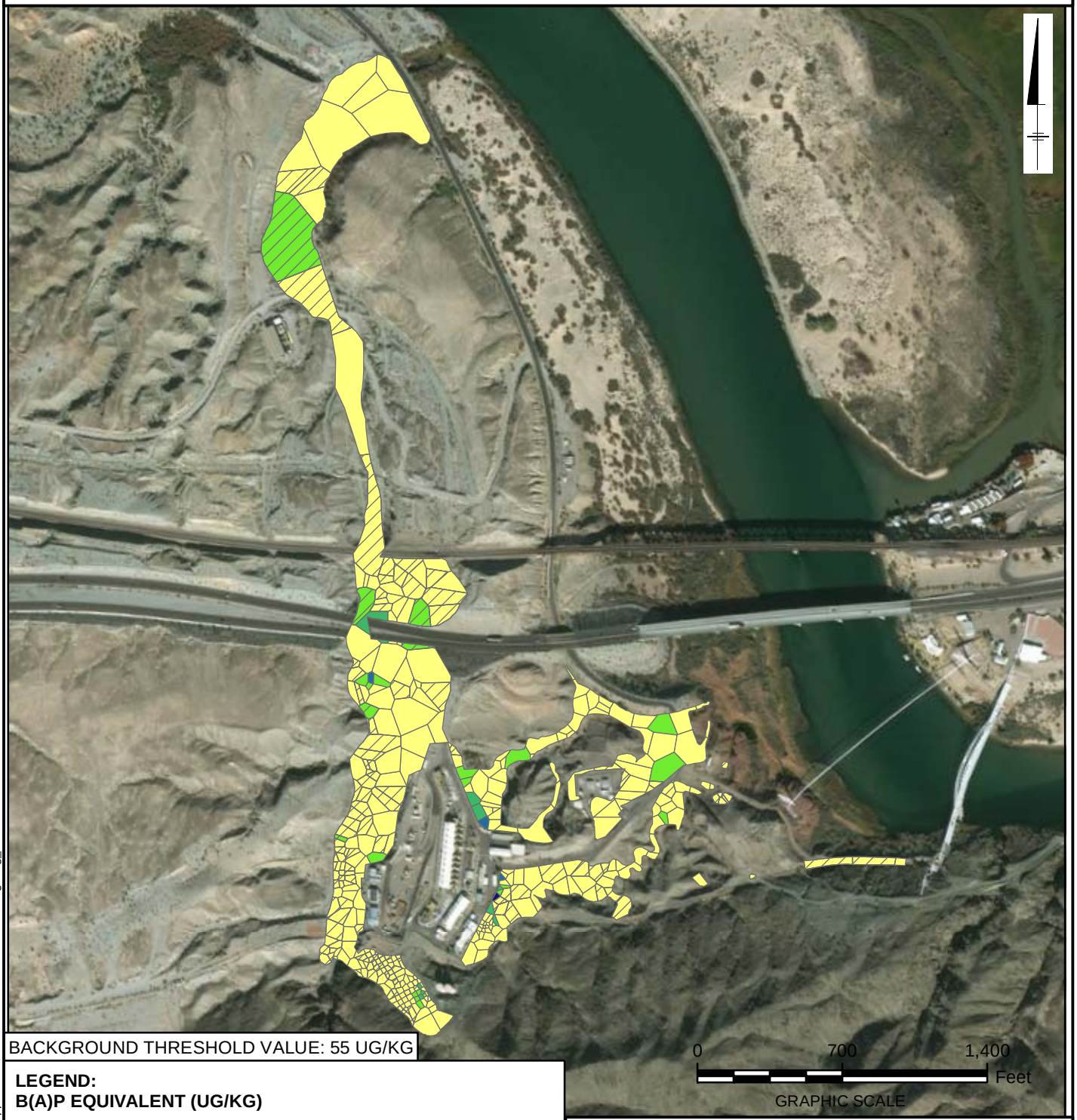
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A326

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 180.00
- ≥180.00 - 520.00
- ≥520.00 - 1700.00
- ≥1700.00 - 3300.00
- ≥3300.00 - 8200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

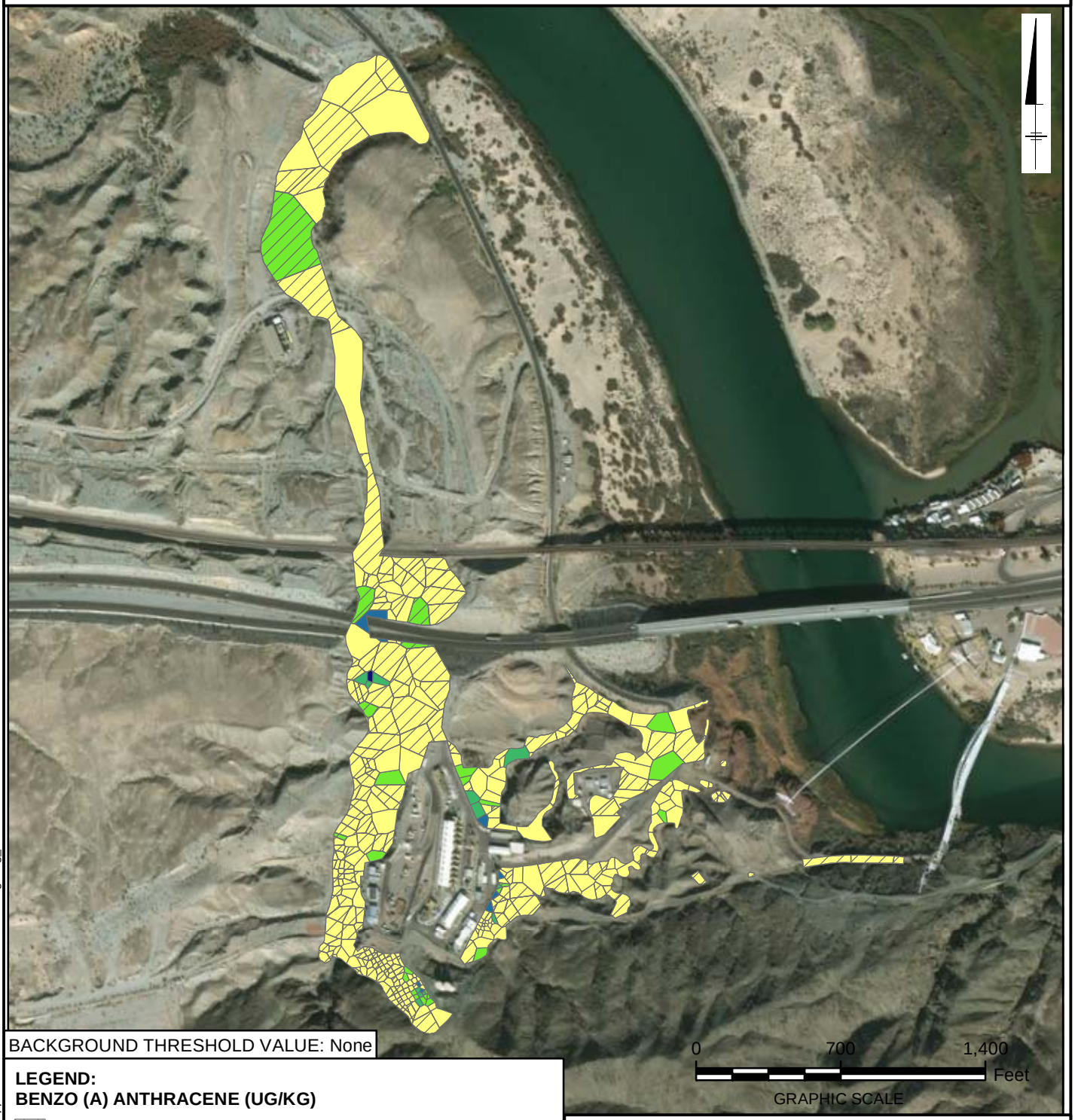
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A327

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PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 80.00
- ≥80.00 - 290.00
- ≥290.00 - 810.00
- ≥810.00 - 1900.00
- ≥1900.00 - 3400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

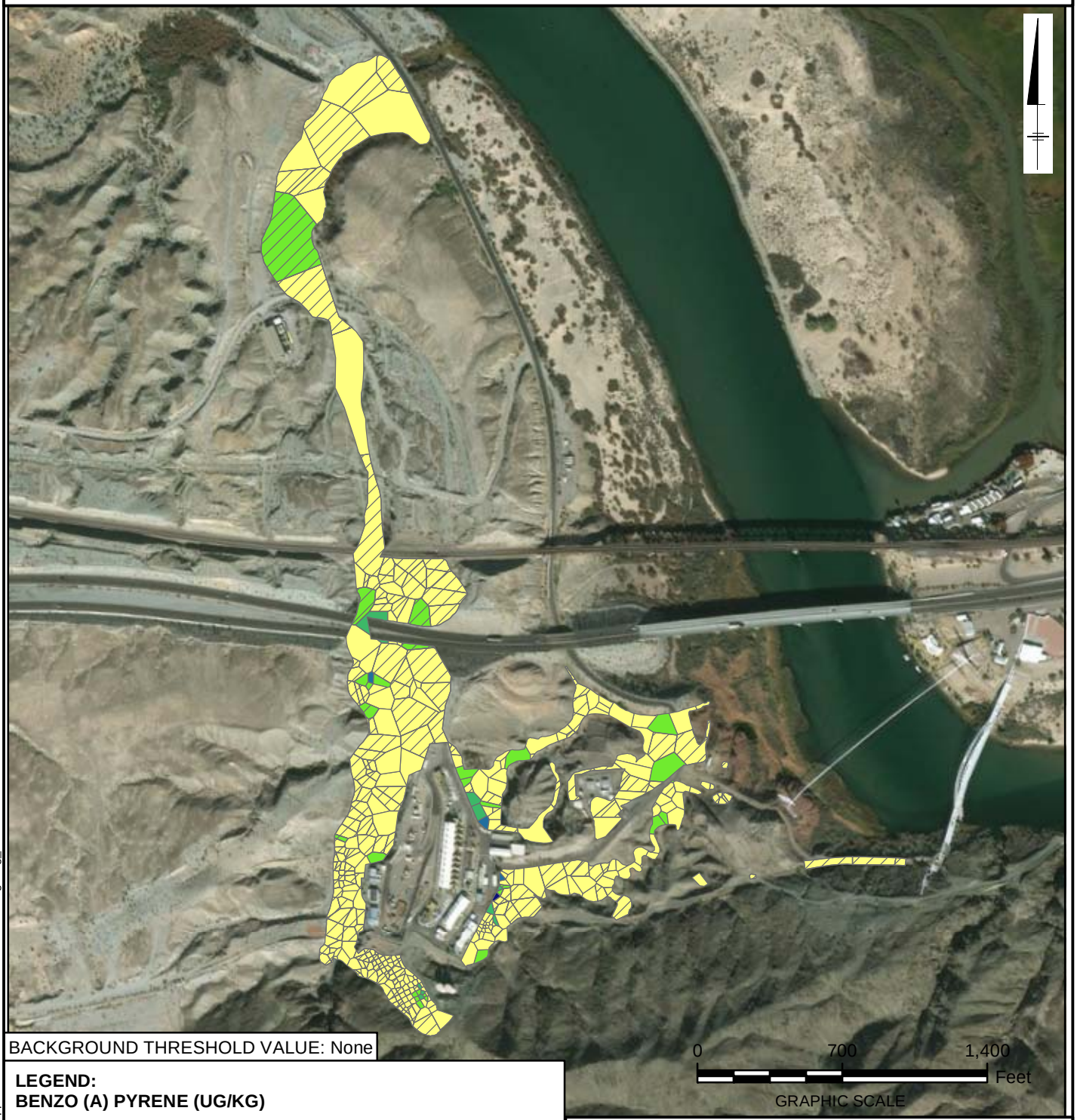
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A328

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 100.00
- ≥100.00 - 380.00
- ≥380.00 - 1100.00
- ≥1100.00 - 2000.00
- ≥2000.00 - 4400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

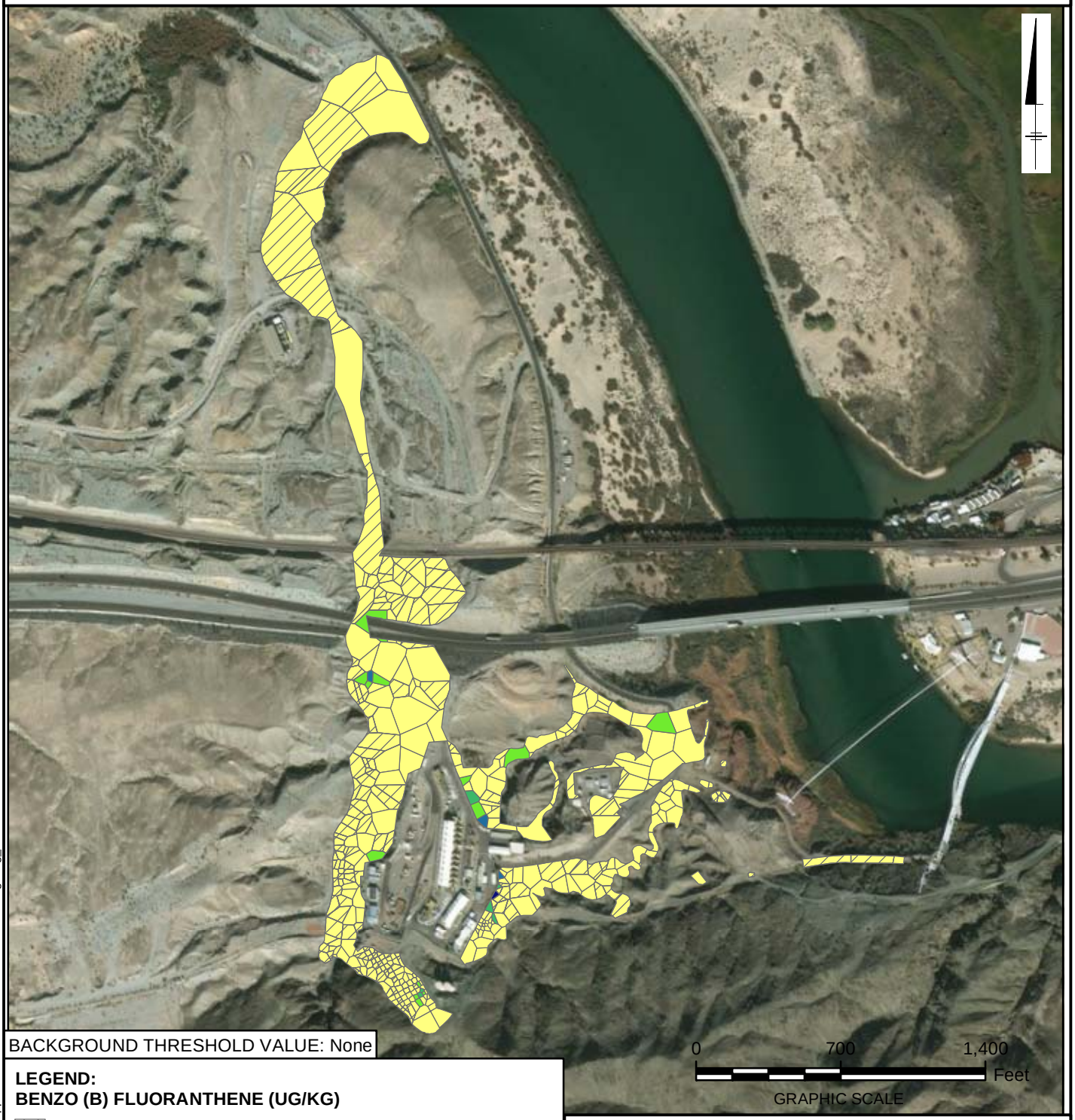
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A329

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PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 300.00
- ≥300.00 - 1000.00
- ≥1000.00 - 1900.00
- ≥1900.00 - 3400.00
- ≥3400.00 - 15000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

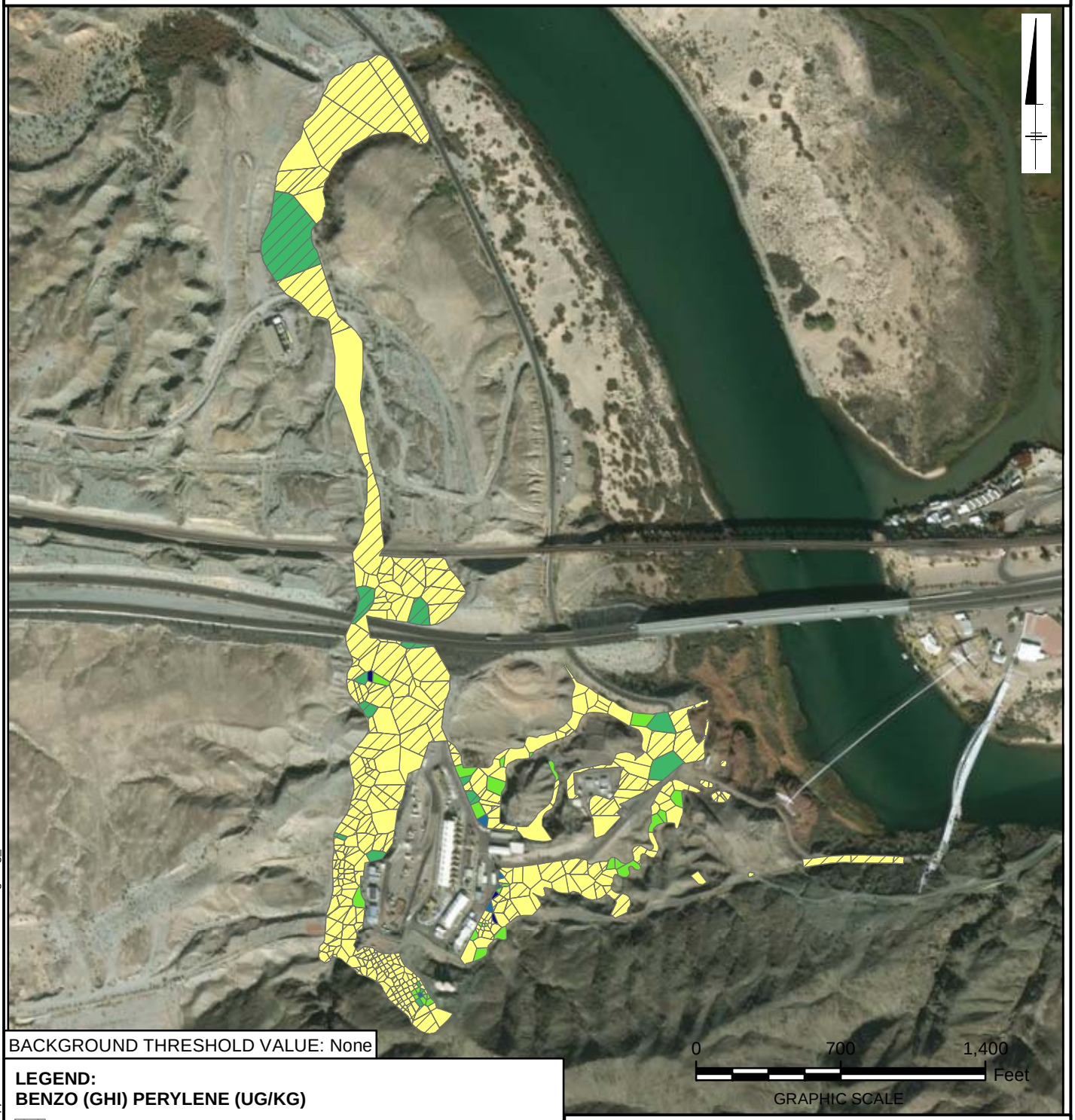
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.30

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 40.00
- ≥40.00 - 125.00
- ≥125.00 - 390.00
- ≥390.00 - 840.00
- ≥840.00 - 1900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

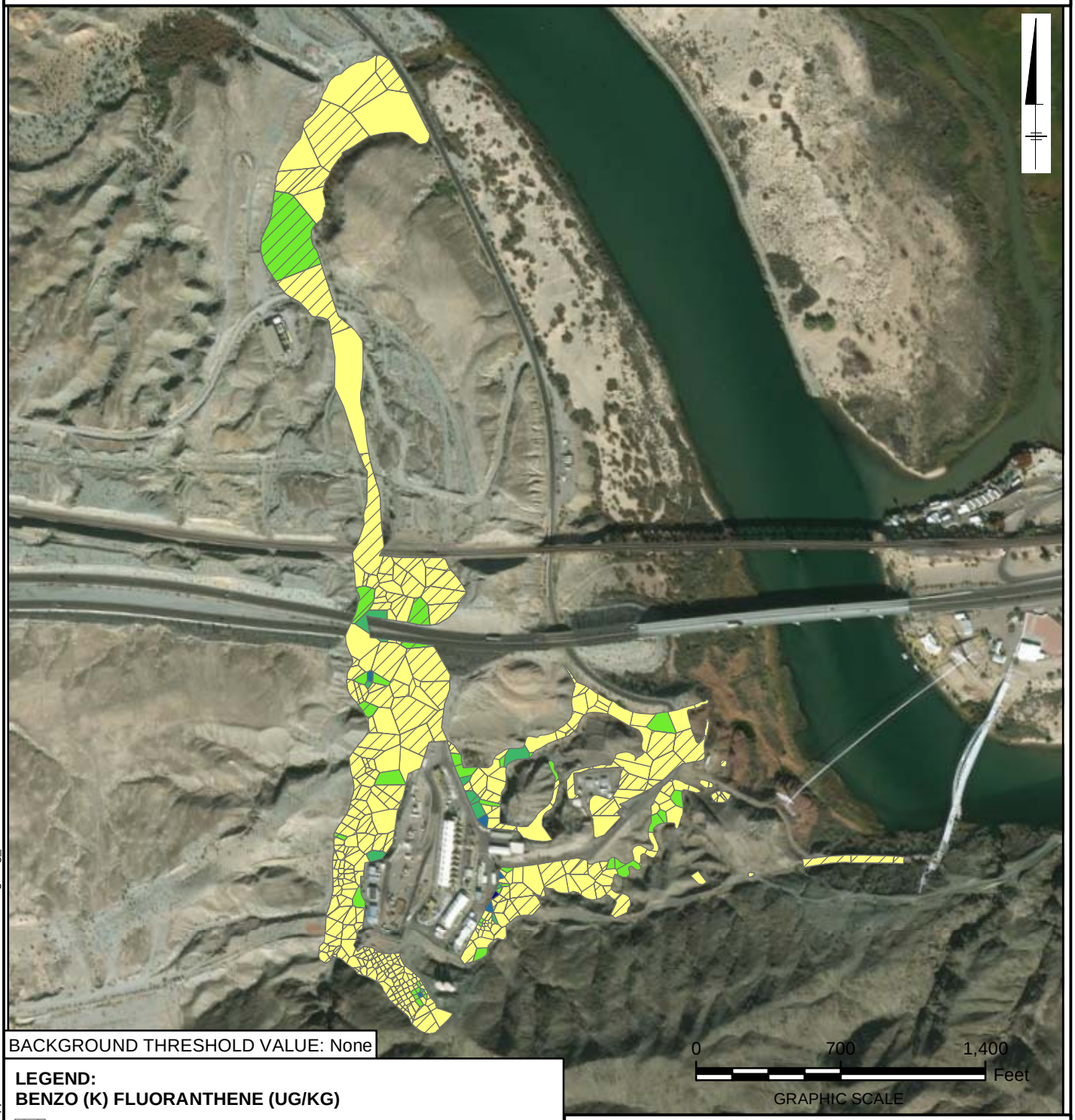
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.31

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 54.00
- ≥54.00 - 190.00
- ≥190.00 - 580.00
- ≥580.00 - 1400.00
- ≥1400.00 - 5800.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

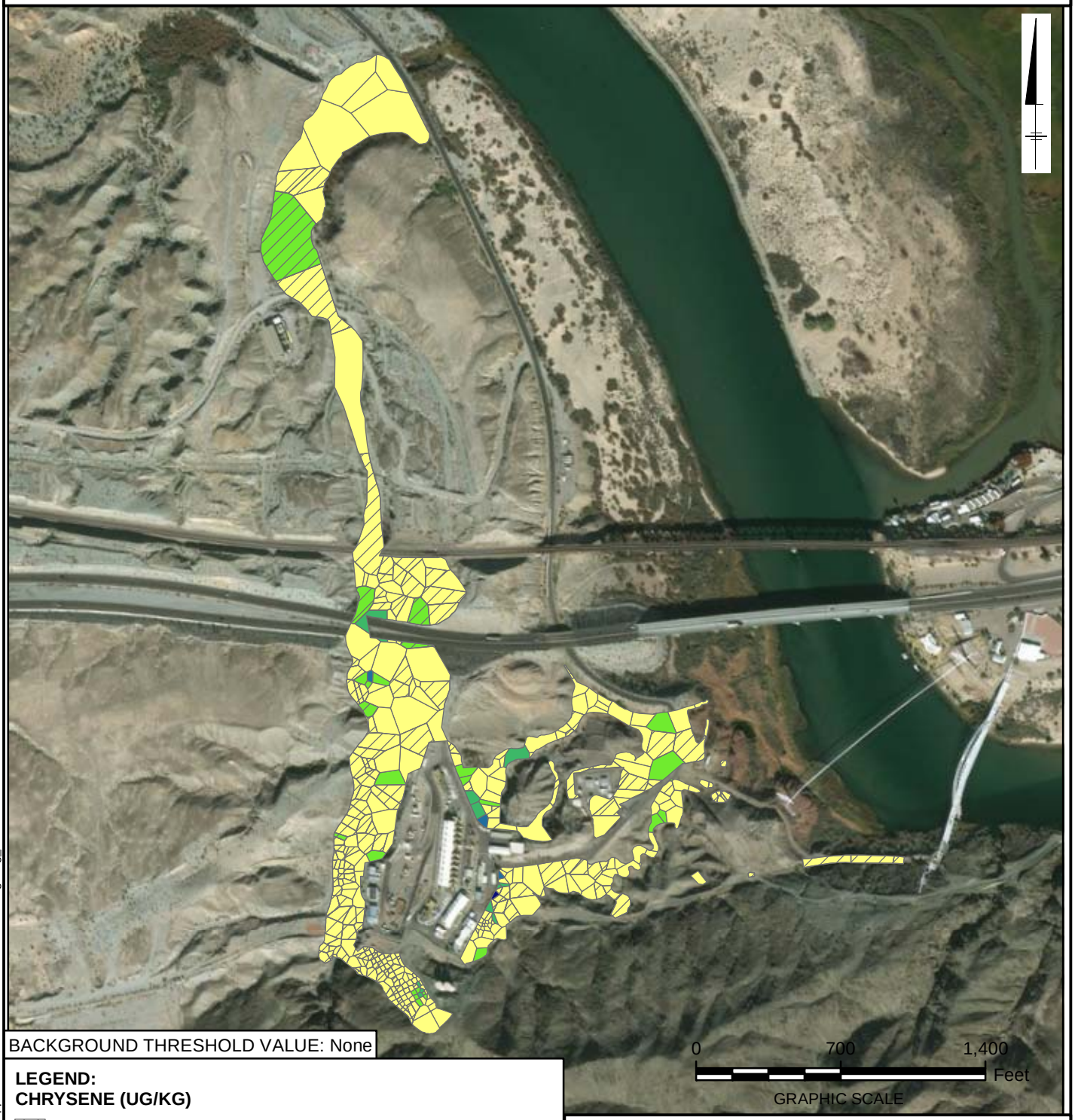
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.32

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 125.00
- ≥125.00 - 480.00
- ≥480.00 - 1200.00
- ≥1200.00 - 3000.00
- ≥3000.00 - 5200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

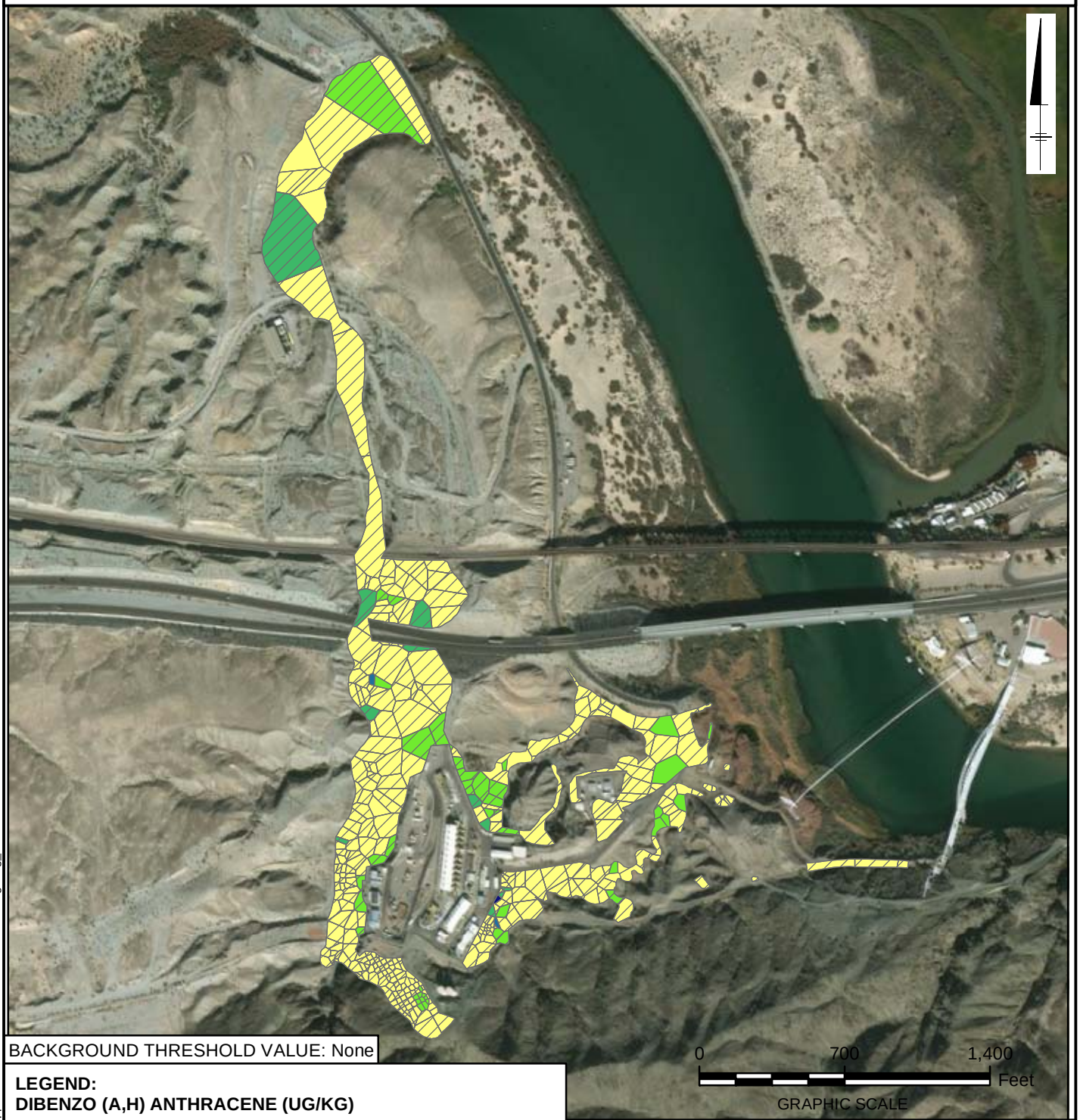
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.33

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 17.00
- ≥17.00 - 93.00
- ≥93.00 - 260.00
- ≥260.00 - 530.00
- ≥530.00 - 1900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

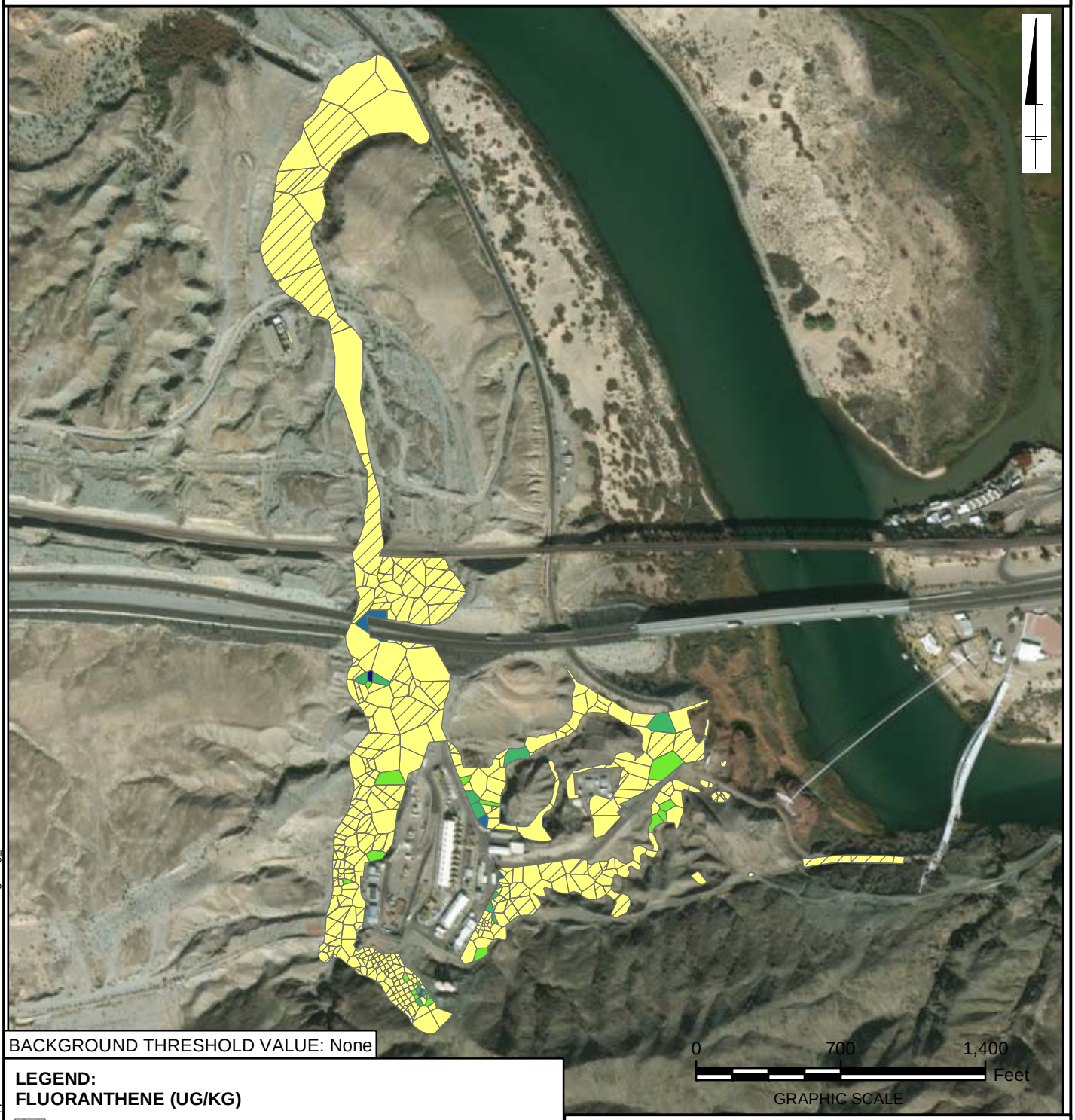
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.34

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 190.00
- ≥190.00 - 600.00
- ≥600.00 - 1700.00
- ≥1700.00 - 3700.00
- ≥3700.00 - 8600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

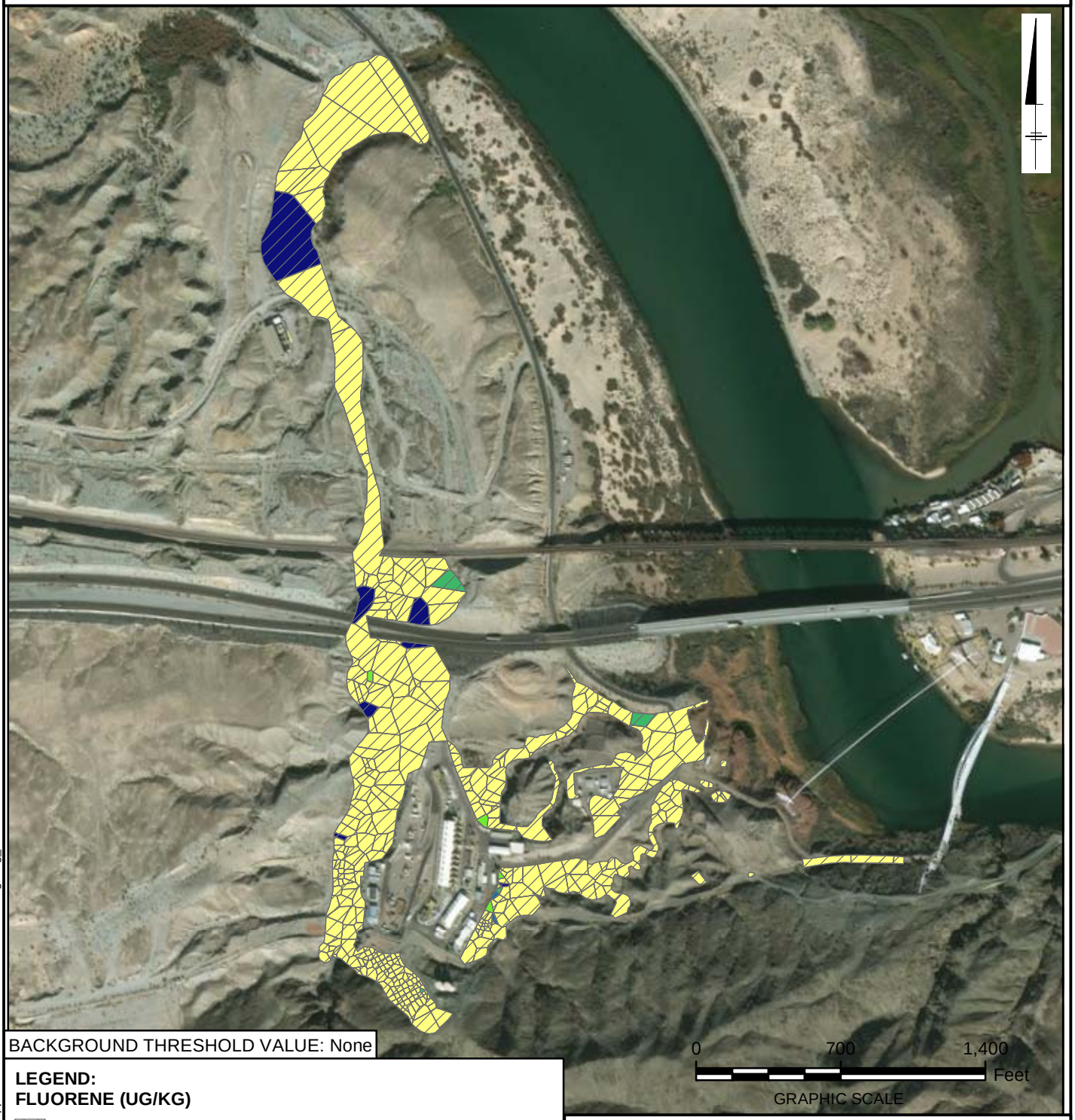
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.35

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.00
- ≥5.00 - 9.80
- ≥9.80 - 14.00
- ≥14.00 - 40.00
- ≥40.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

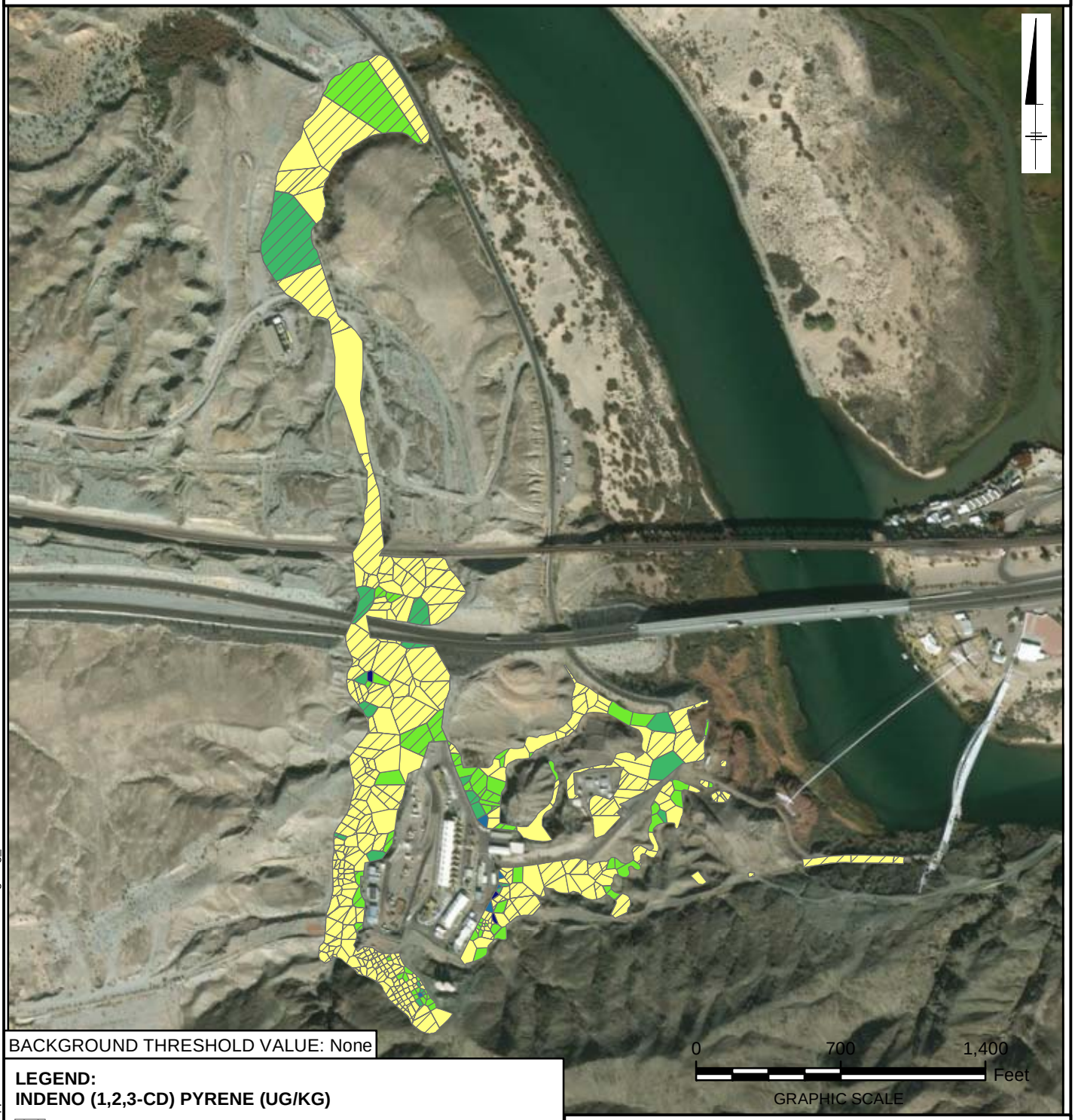
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.36

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 22.00
- ≥22.00 - 97.00
- ≥97.00 - 330.00
- ≥330.00 - 840.00
- ≥840.00 - 1900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

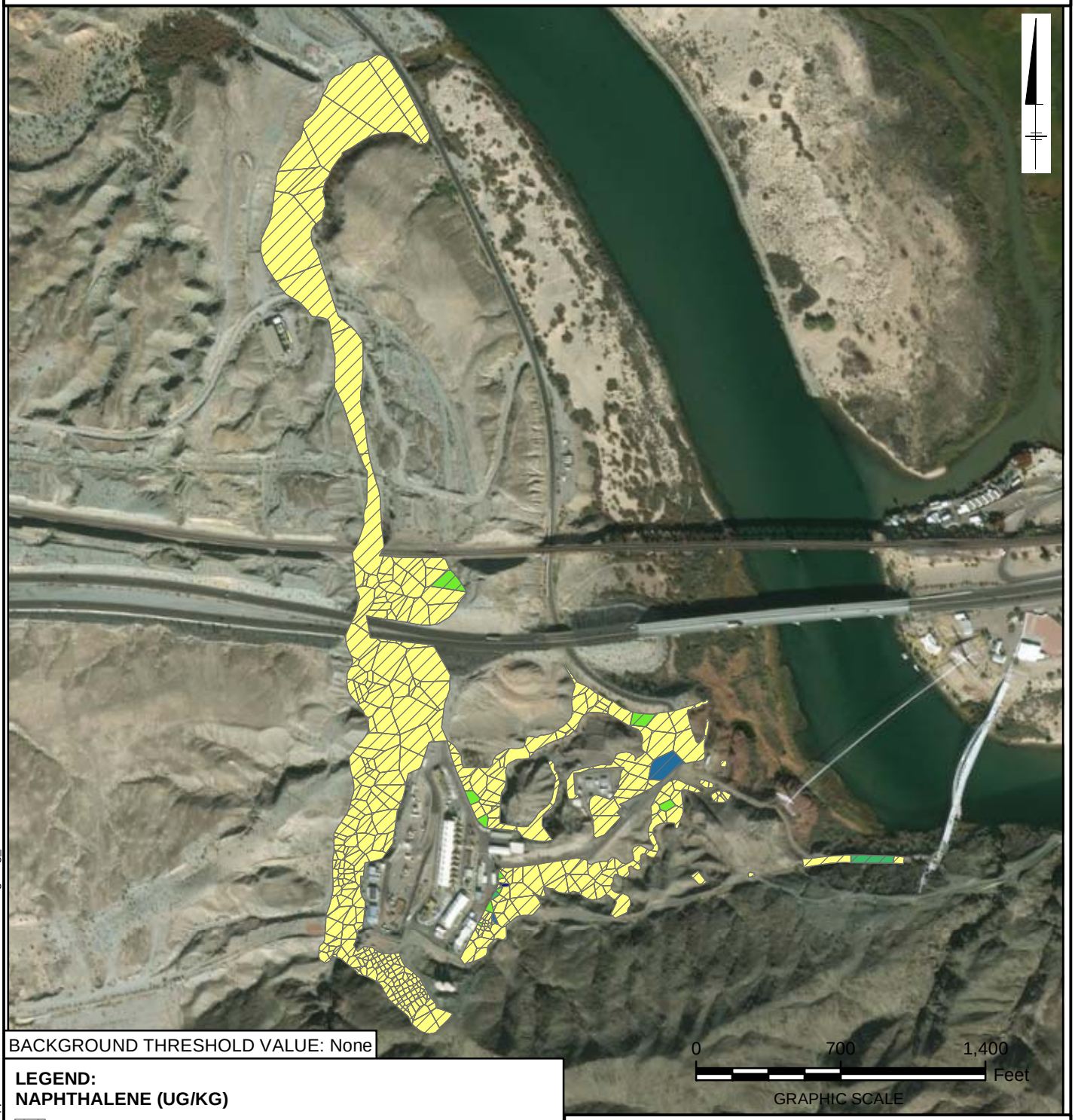
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.37

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
NAPHTHALENE



LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.30 - 6.50
- ≥6.50 - 18.00
- ≥18.00 - 28.50
- ≥28.50 - 50.00
- ≥50.00 - 125.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

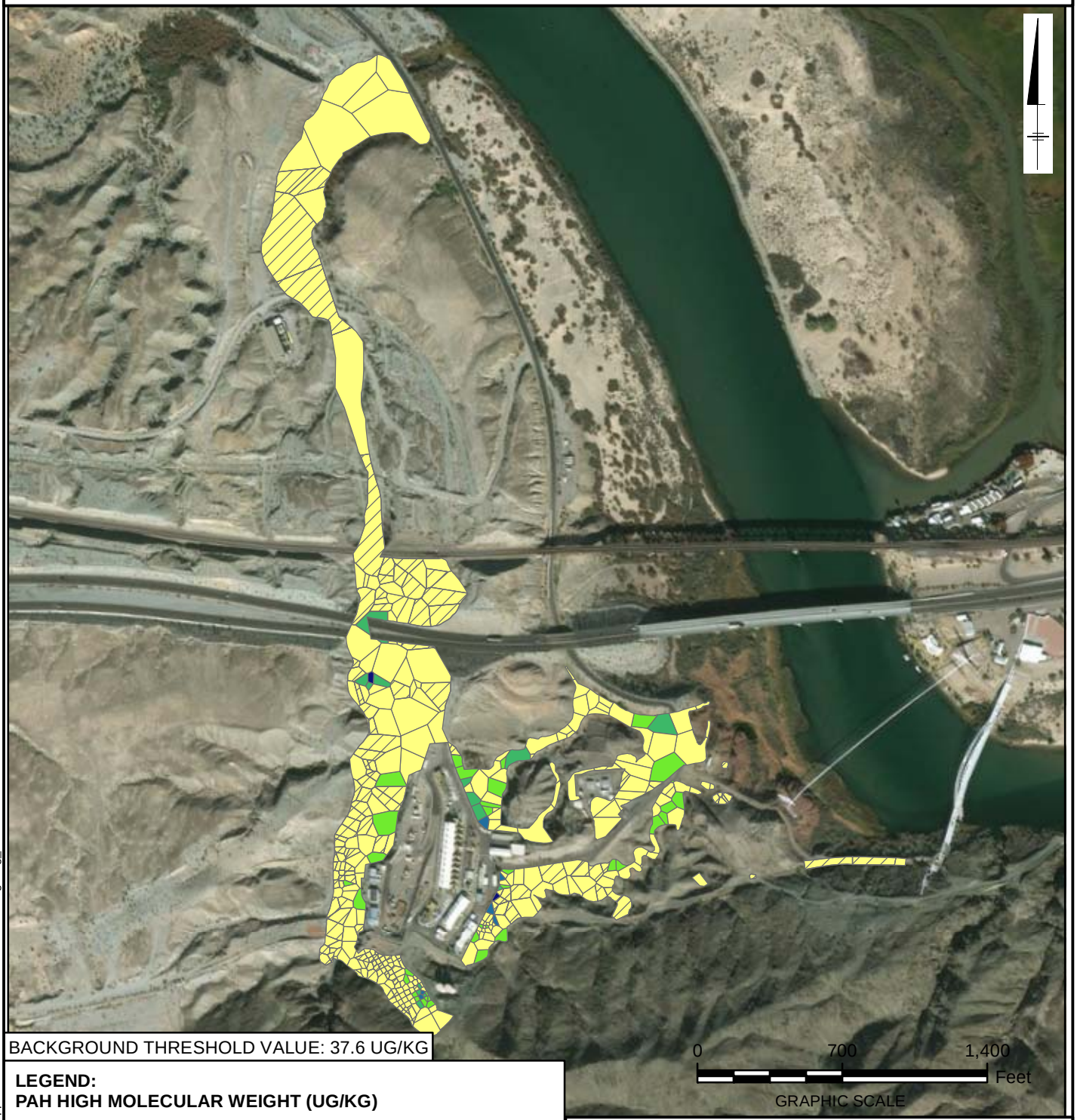
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.38

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 589.00
- ≥589.00 - 2650.00
- ≥2650.00 - 8070.00
- ≥8070.00 - 18200.00
- ≥18200.00 - 32900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

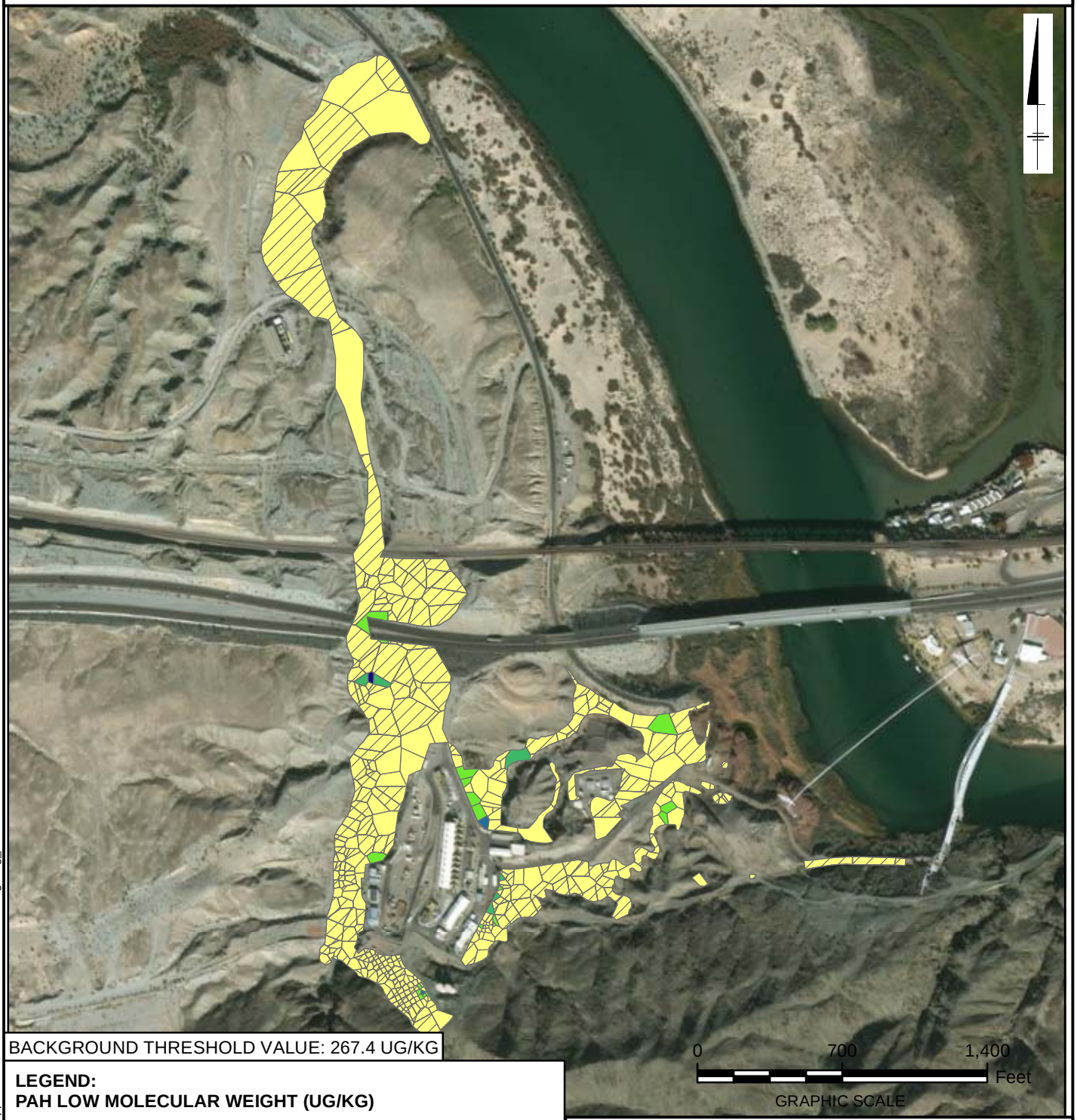
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.39

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 103.00
- ≥103.00 - 384.00
- ≥384.00 - 859.00
- ≥859.00 - 1380.00
- ≥1380.00 - 3880.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
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REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

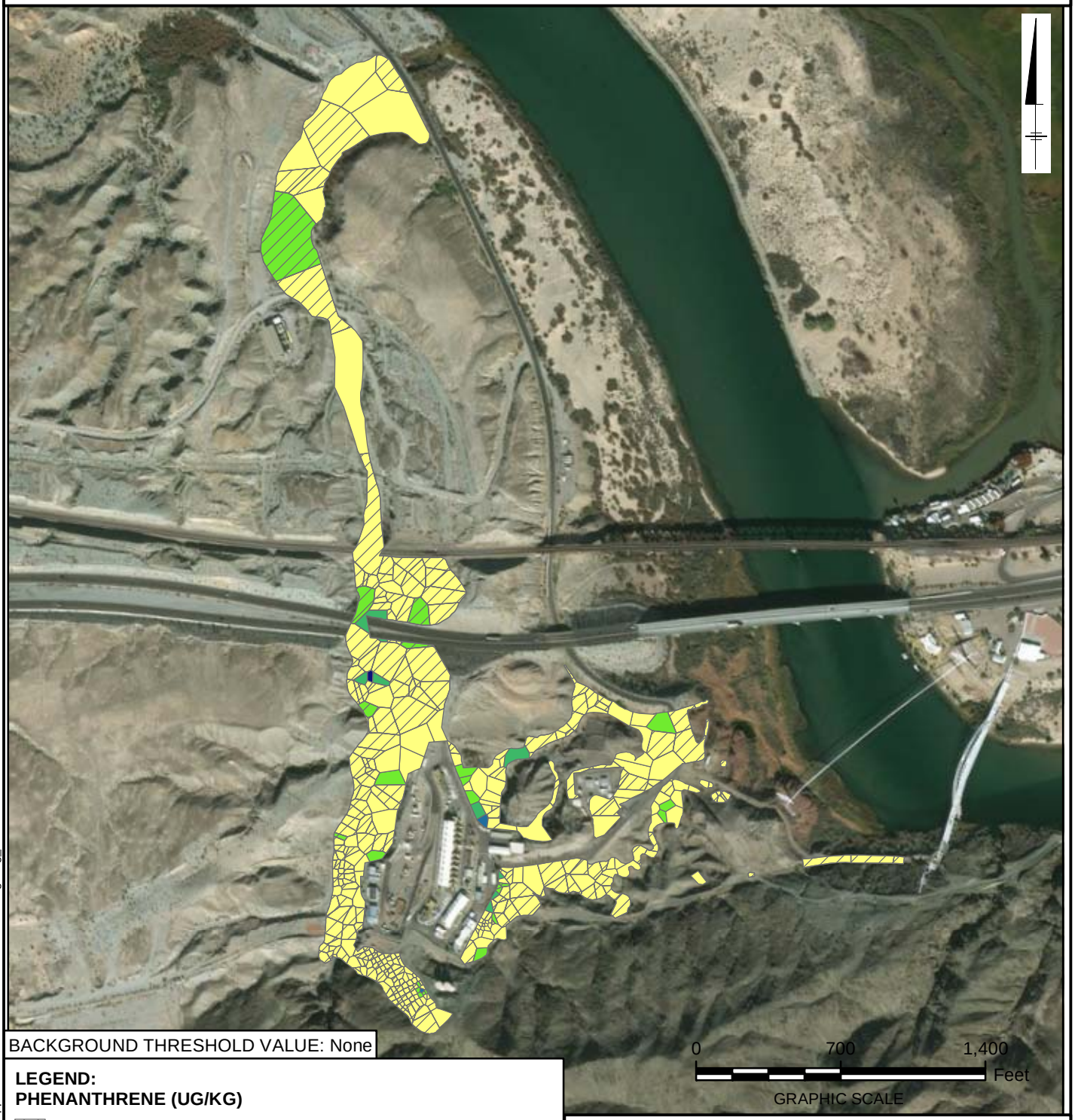
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.4.0

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 77.00
- ≥77.00 - 250.00
- ≥250.00 - 780.00
- ≥780.00 - 1300.00
- ≥1300.00 - 3100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

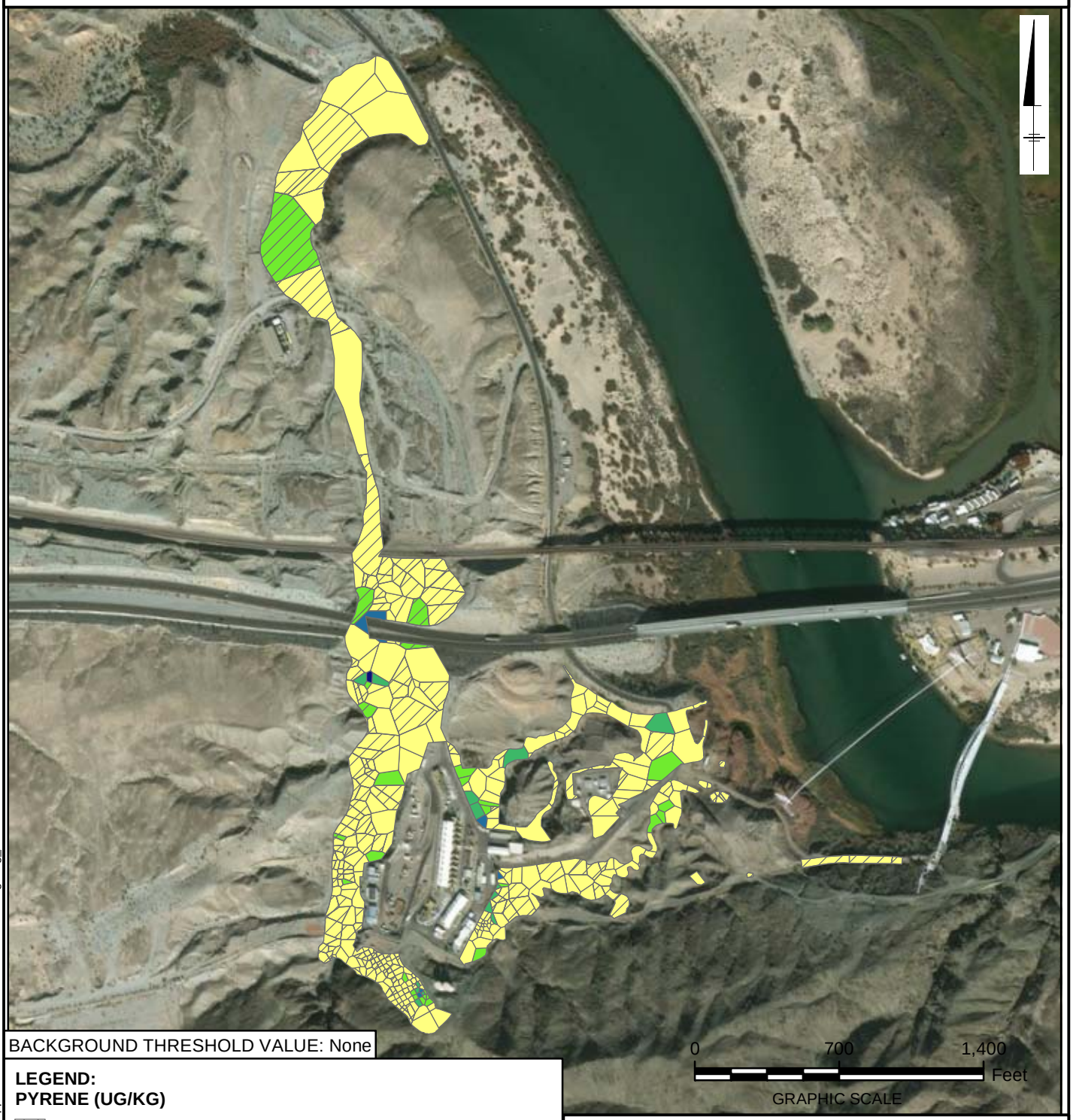
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.41

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 130.00
- ≥130.00 - 550.00
- ≥550.00 - 1600.00
- ≥1600.00 - 3400.00
- ≥3400.00 - 6600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

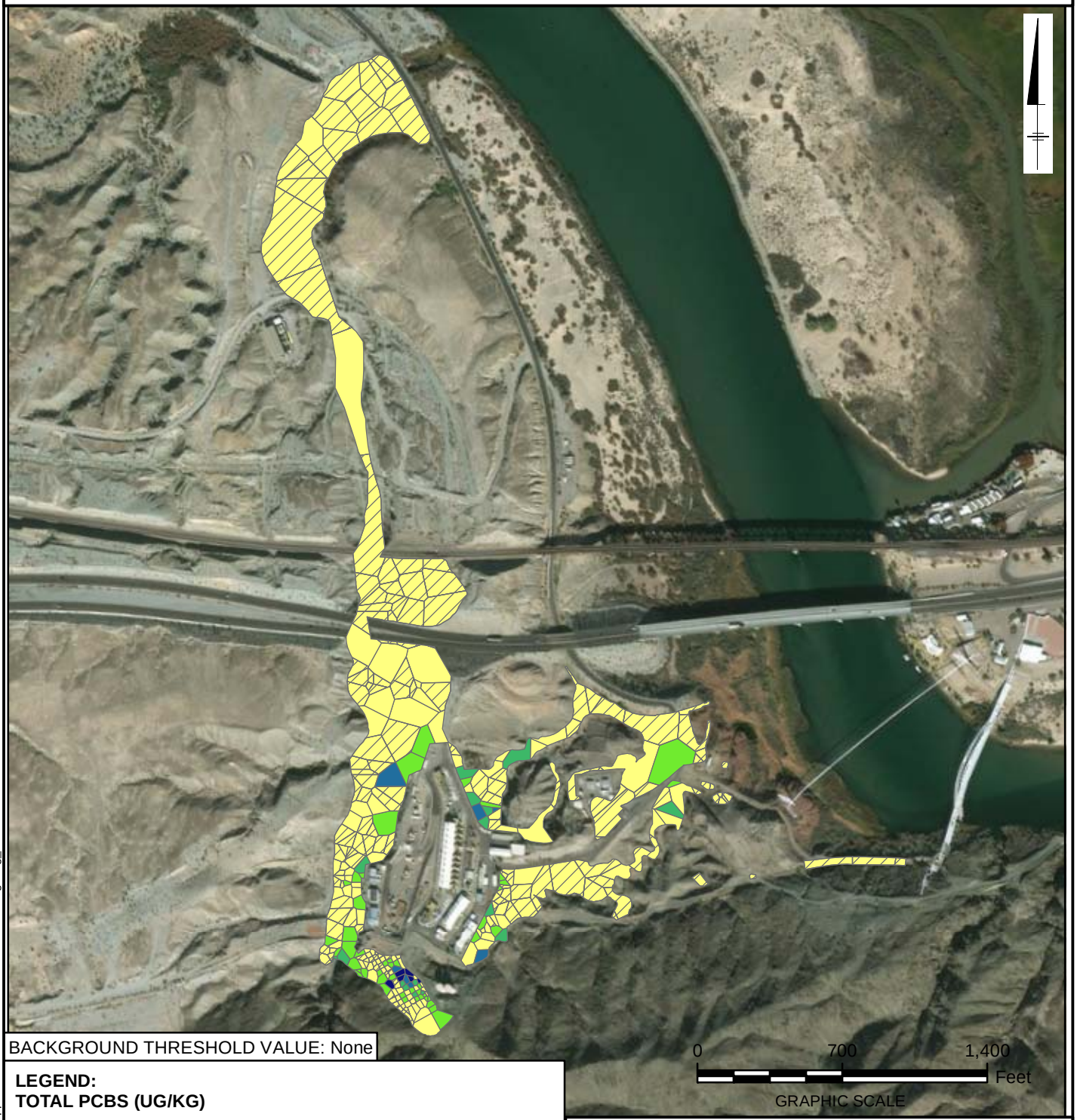
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.4.2

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 122.00
- ≥122.00 - 399.00
- ≥399.00 - 1010.00
- ≥1010.00 - 1960.00
- ≥1960.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

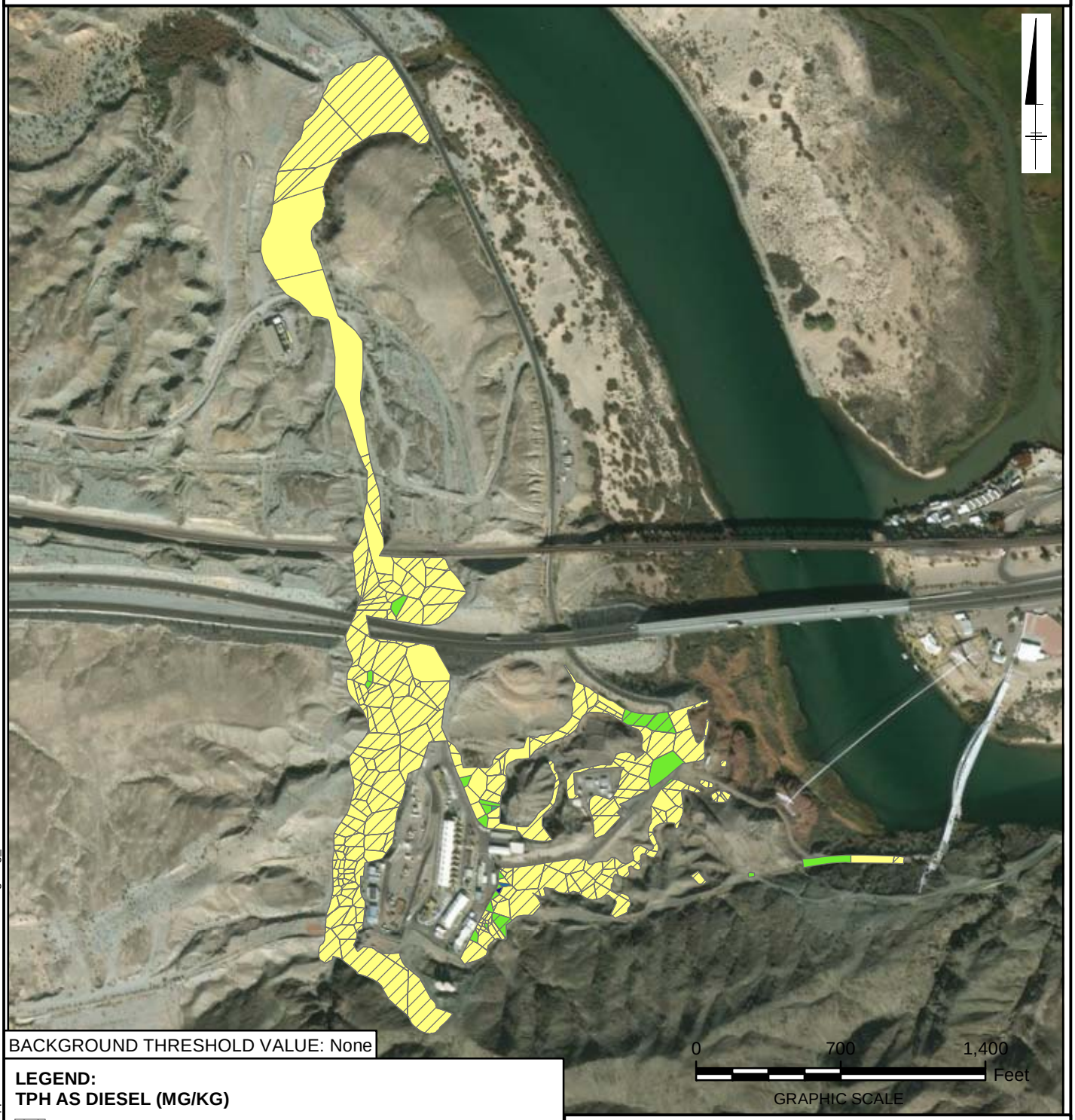
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A343

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 32.00
- ≥32.00 - 130.00
- ≥130.00 - 840.00
- ≥840.00 - 2100.00
- ≥2100.00 - 4000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

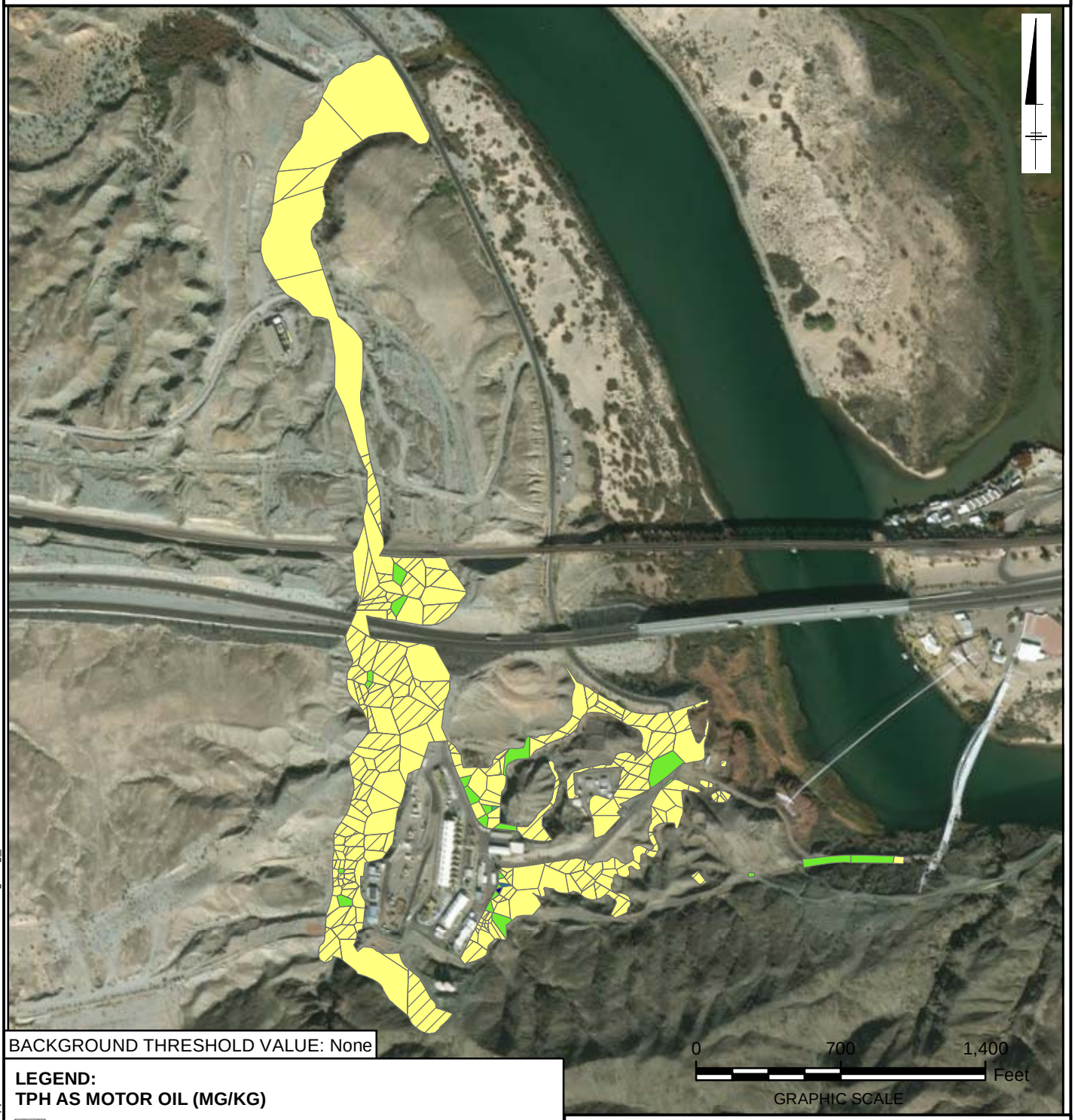
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A344

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 0.5 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 140.00
- ≥140.00 - 580.00
- ≥580.00 - 1400.00
- ≥1400.00 - 4900.00
- ≥4900.00 - 8900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

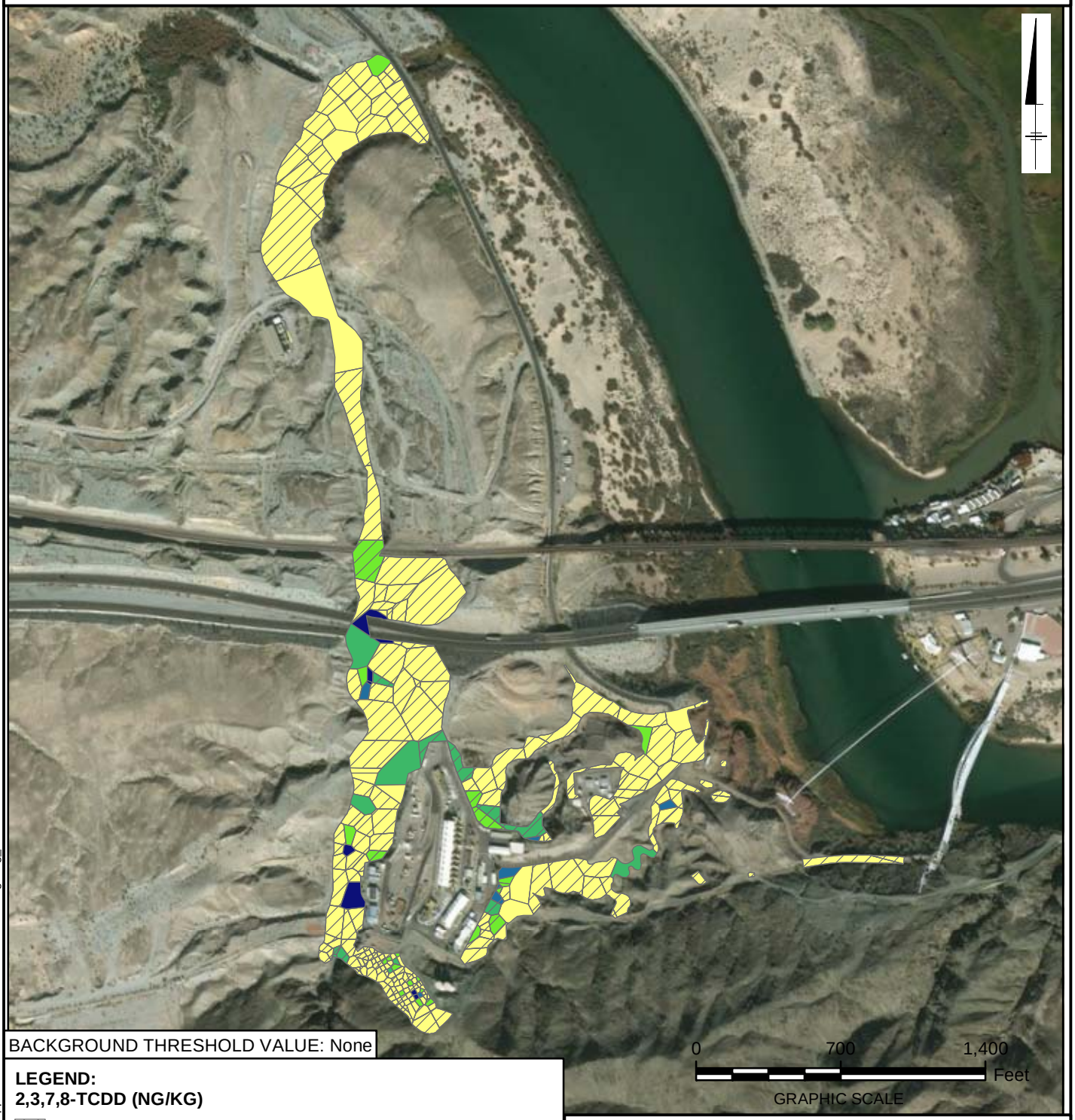
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A345

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.45
- ≥0.45 - 1.20
- ≥1.20 - 2.50
- ≥2.50 - 5.00
- ≥5.00 - 44.70

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

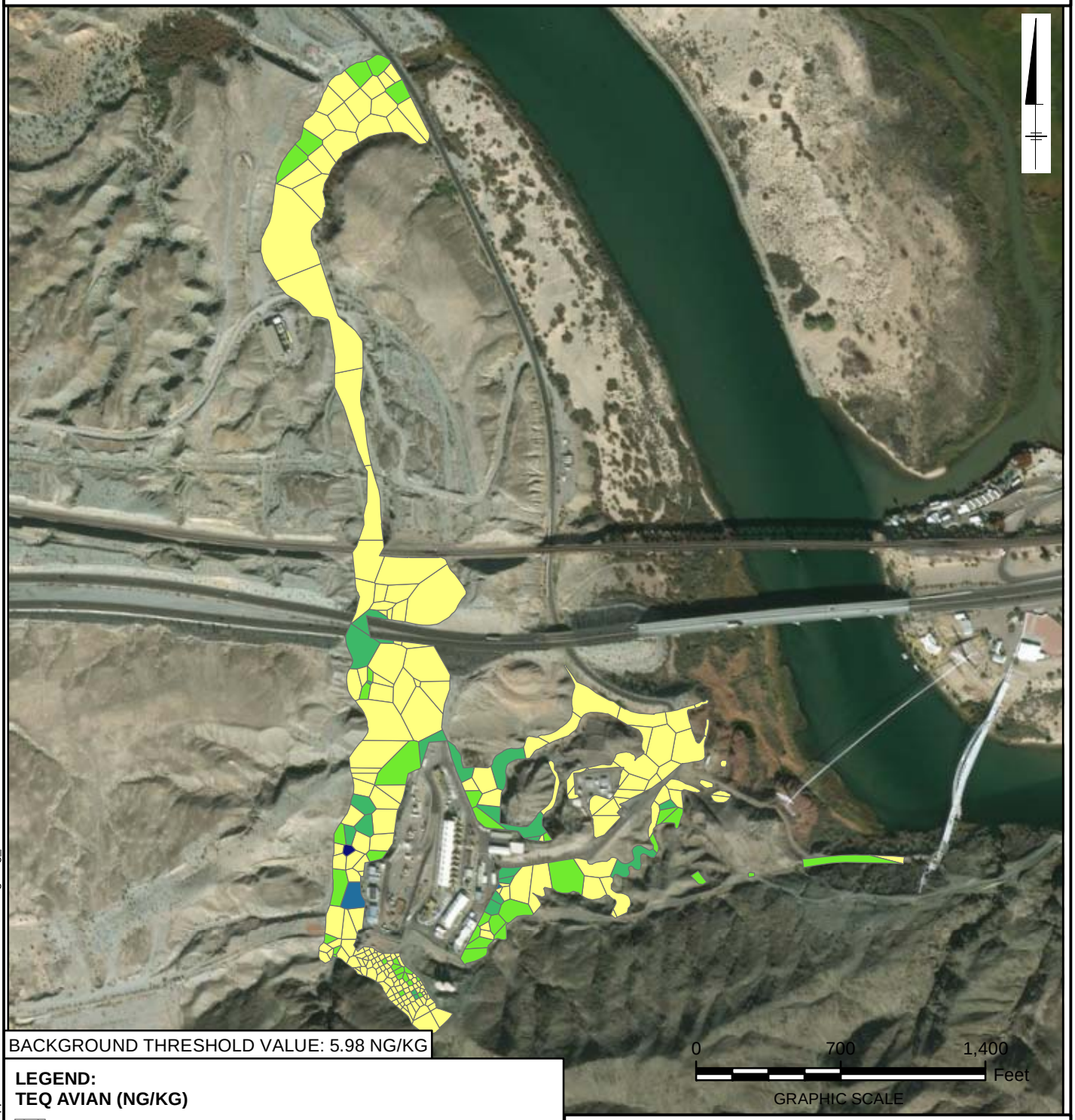
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A346

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 31.60
- ≥31.60 - 130.00
- ≥130.00 - 320.00
- ≥320.00 - 1100.00
- ≥1100.00 - 7340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

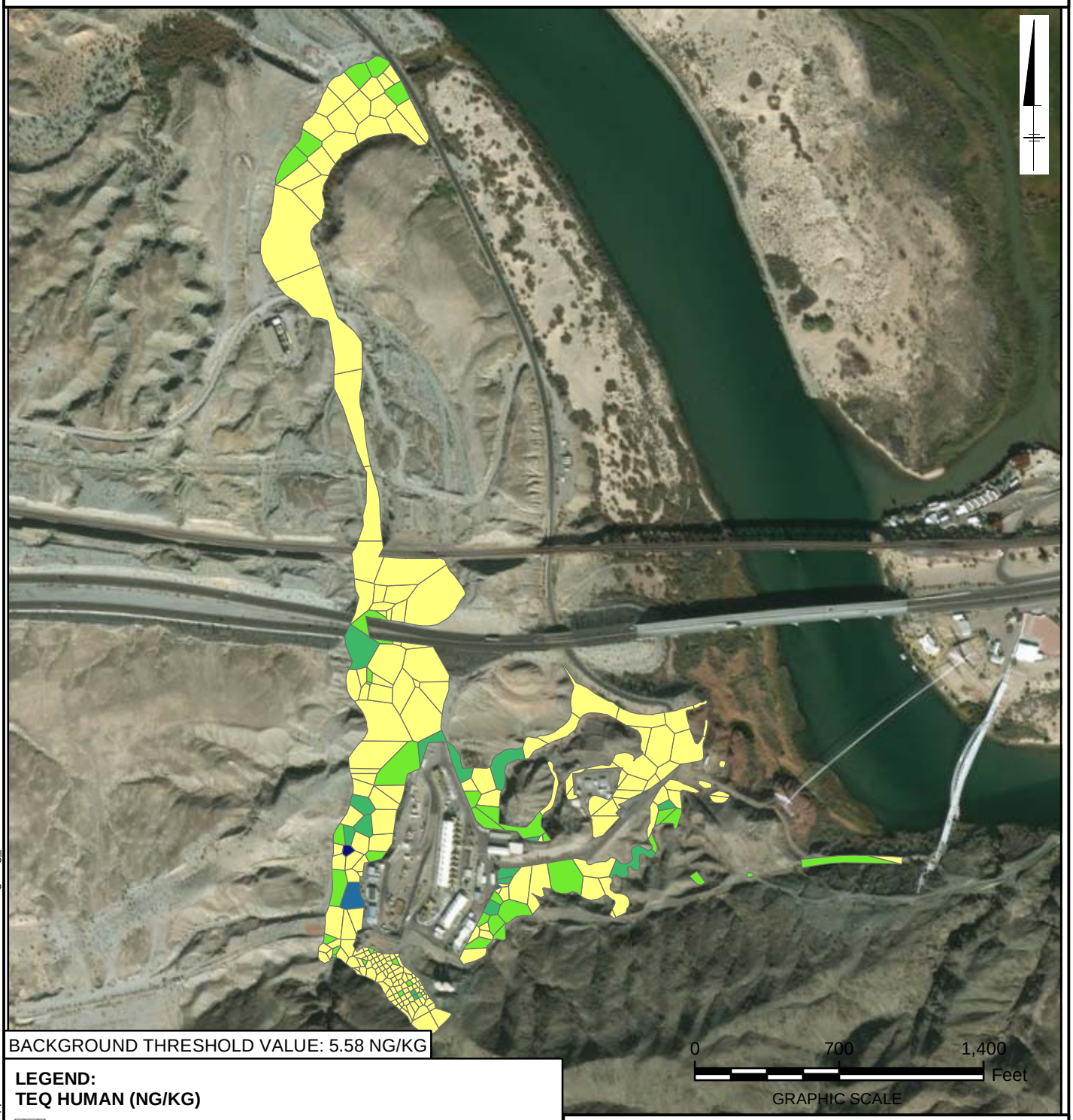
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.47

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 56.20
- ≥56.20 - 220.00
- ≥220.00 - 580.00
- ≥580.00 - 1600.00
- ≥1600.00 - 8000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

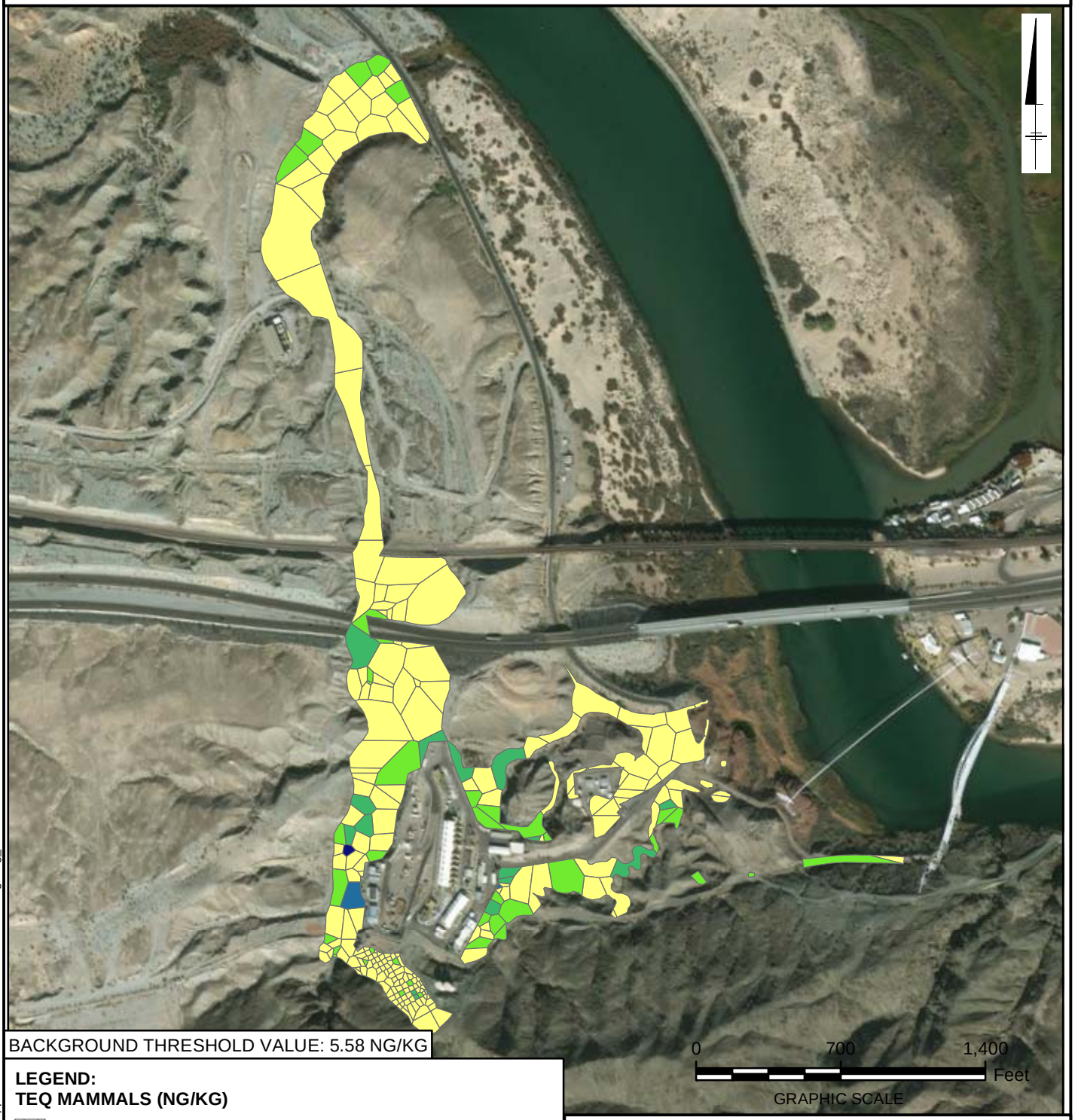
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A348

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 56.20
- ≥56.20 - 220.00
- ≥220.00 - 580.00
- ≥580.00 - 1600.00
- ≥1600.00 - 8000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

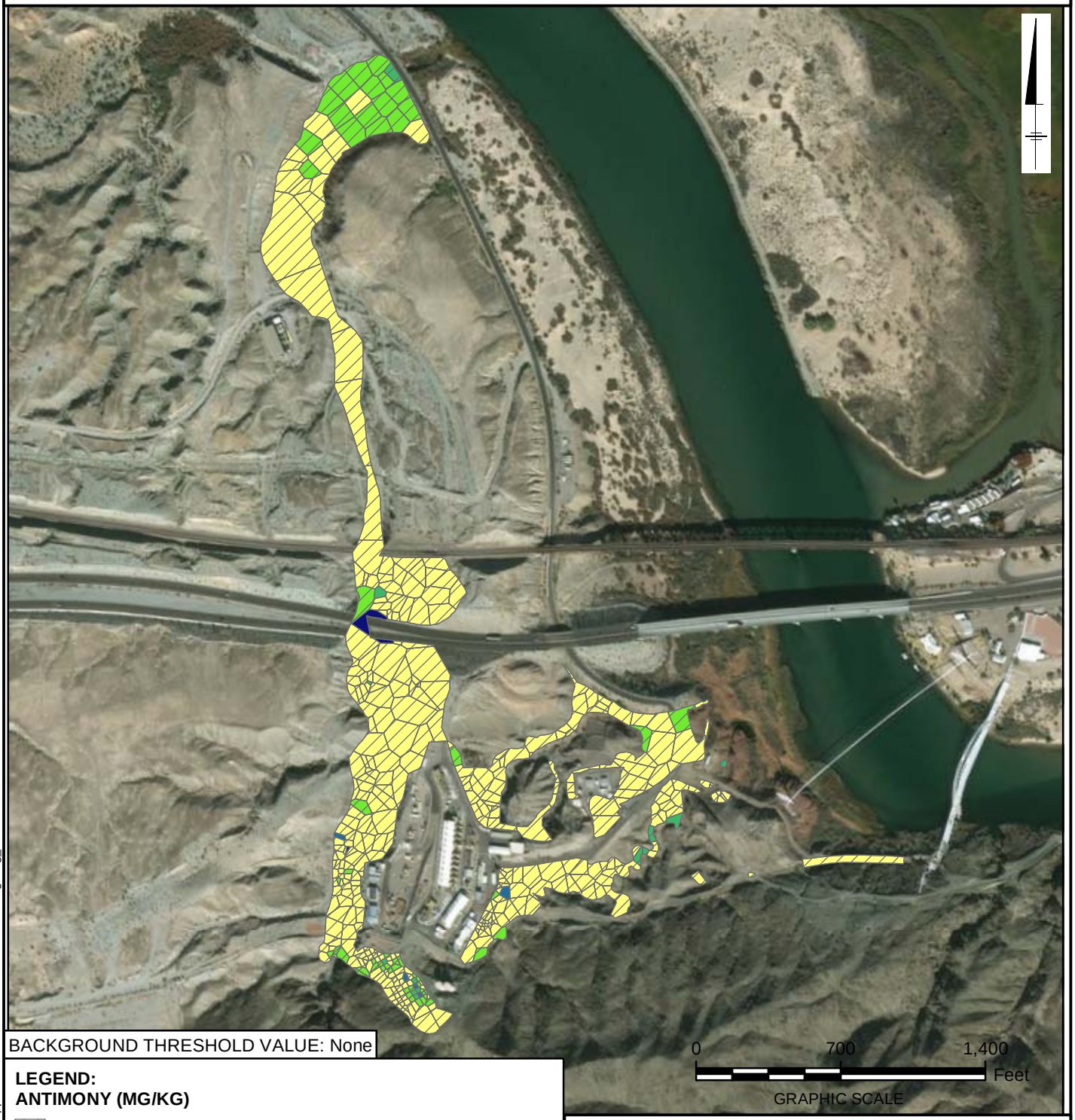
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A349

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 0.20 - 1.07
- ≥1.07 - 1.32
- ≥1.32 - 3.50
- ≥3.50 - 10.30
- ≥10.30 - 19.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

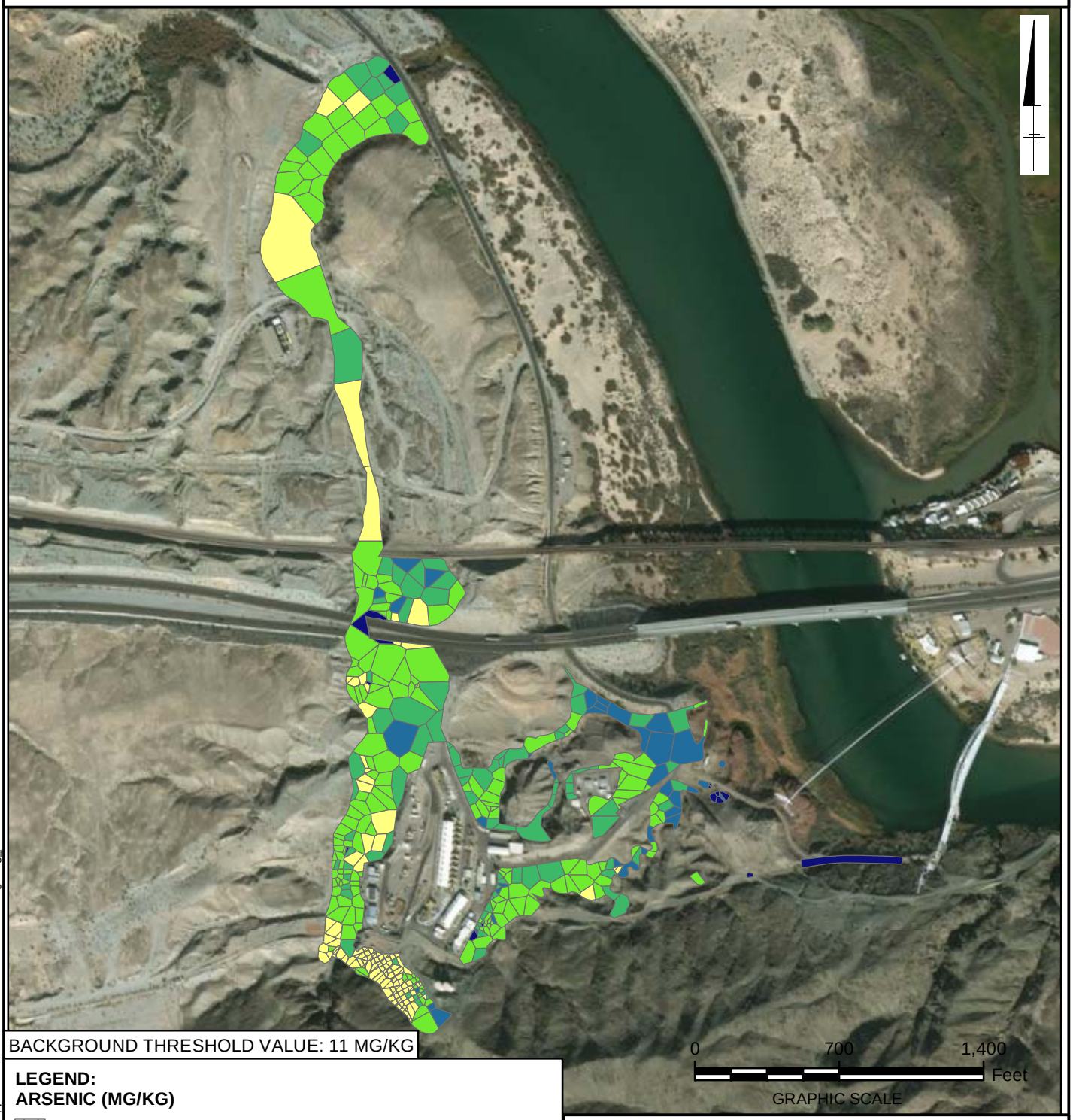
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.50

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 2.00
- ≥2.00 - 4.10
- ≥4.10 - 6.37
- ≥6.37 - 9.53
- ≥9.53 - 21.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

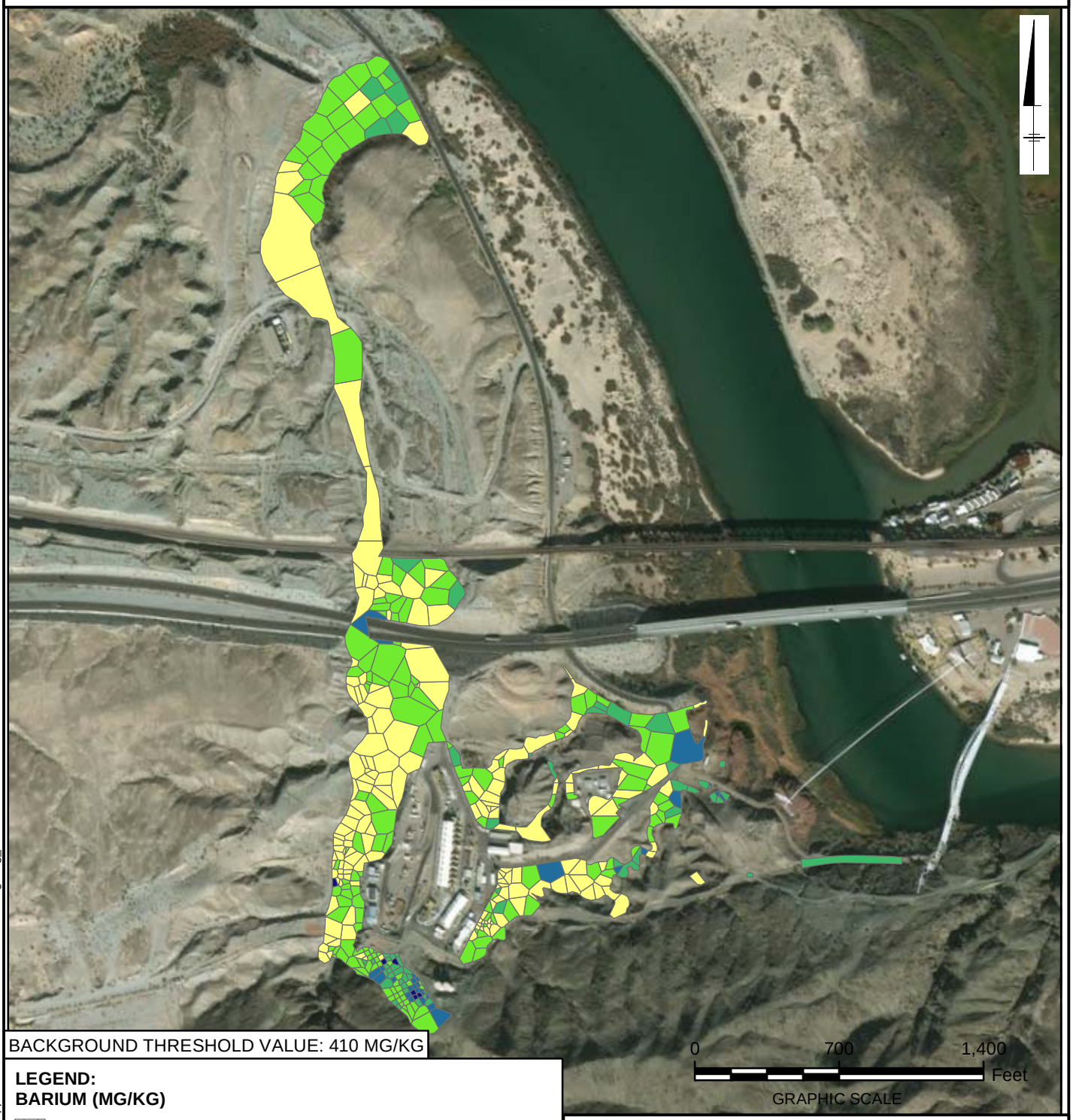
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.51

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 35.30 - 127.00
- ≥127.00 - 200.00
- ≥200.00 - 330.00
- ≥330.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

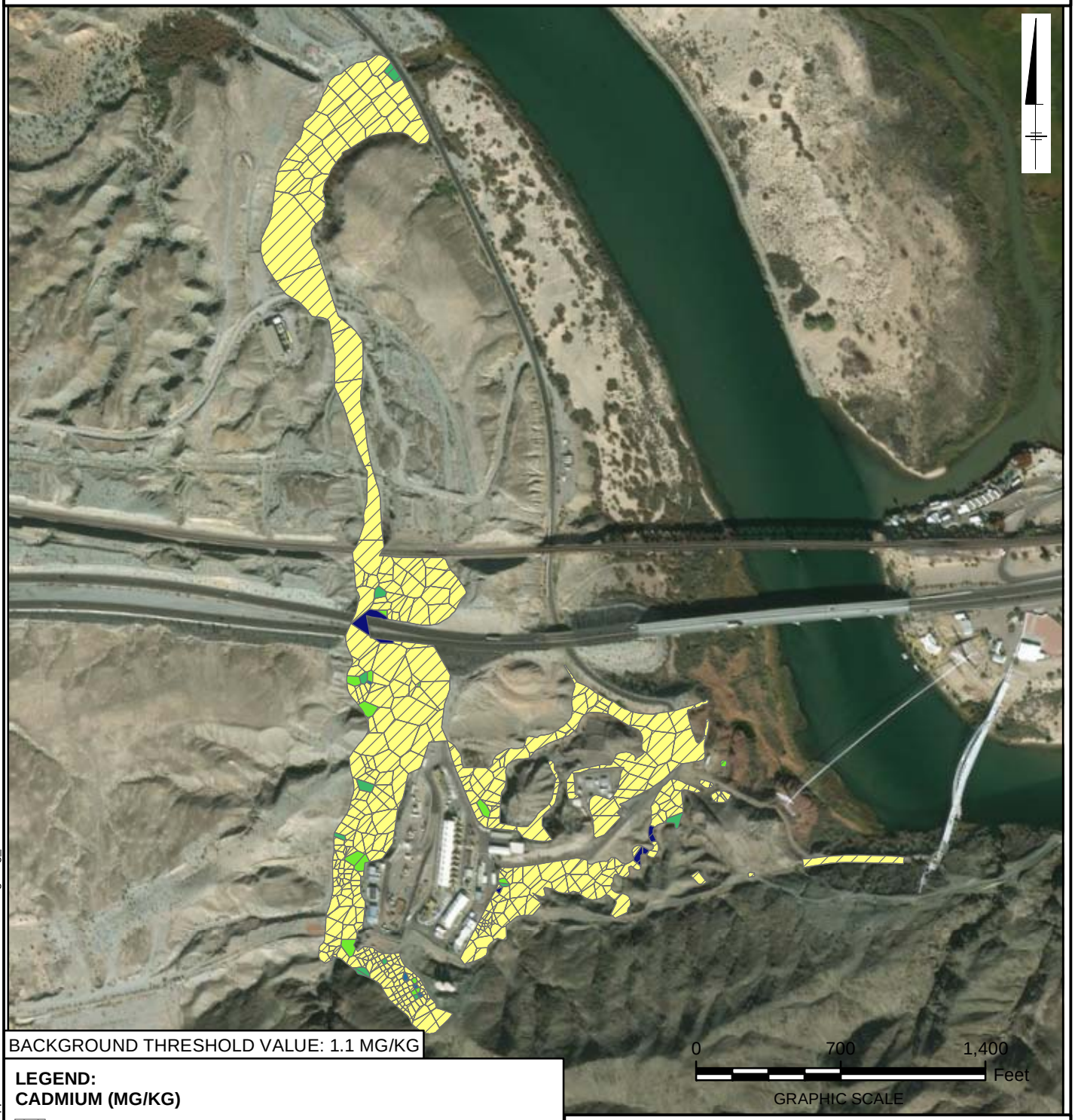
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.52

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.30 - 0.71
- ≥0.71 - 1.33
- ≥1.33 - 2.03
- ≥2.03 - 2.75
- ≥2.75 - 7.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

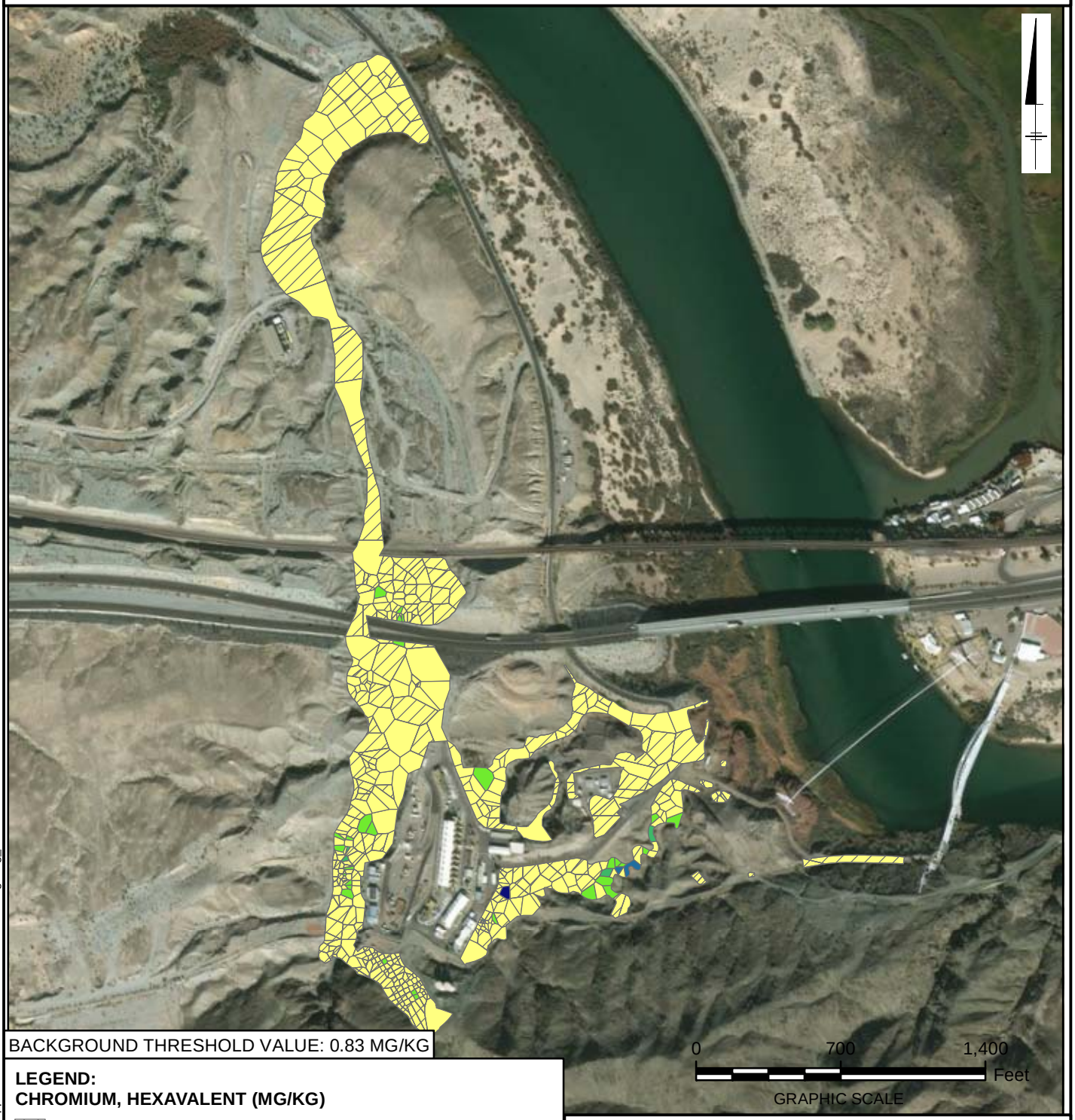
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.53

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.03 - 4.47
- ≥4.47 - 19.10
- ≥19.10 - 47.50
- ≥47.50 - 150.00
- ≥150.00 - 1800.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

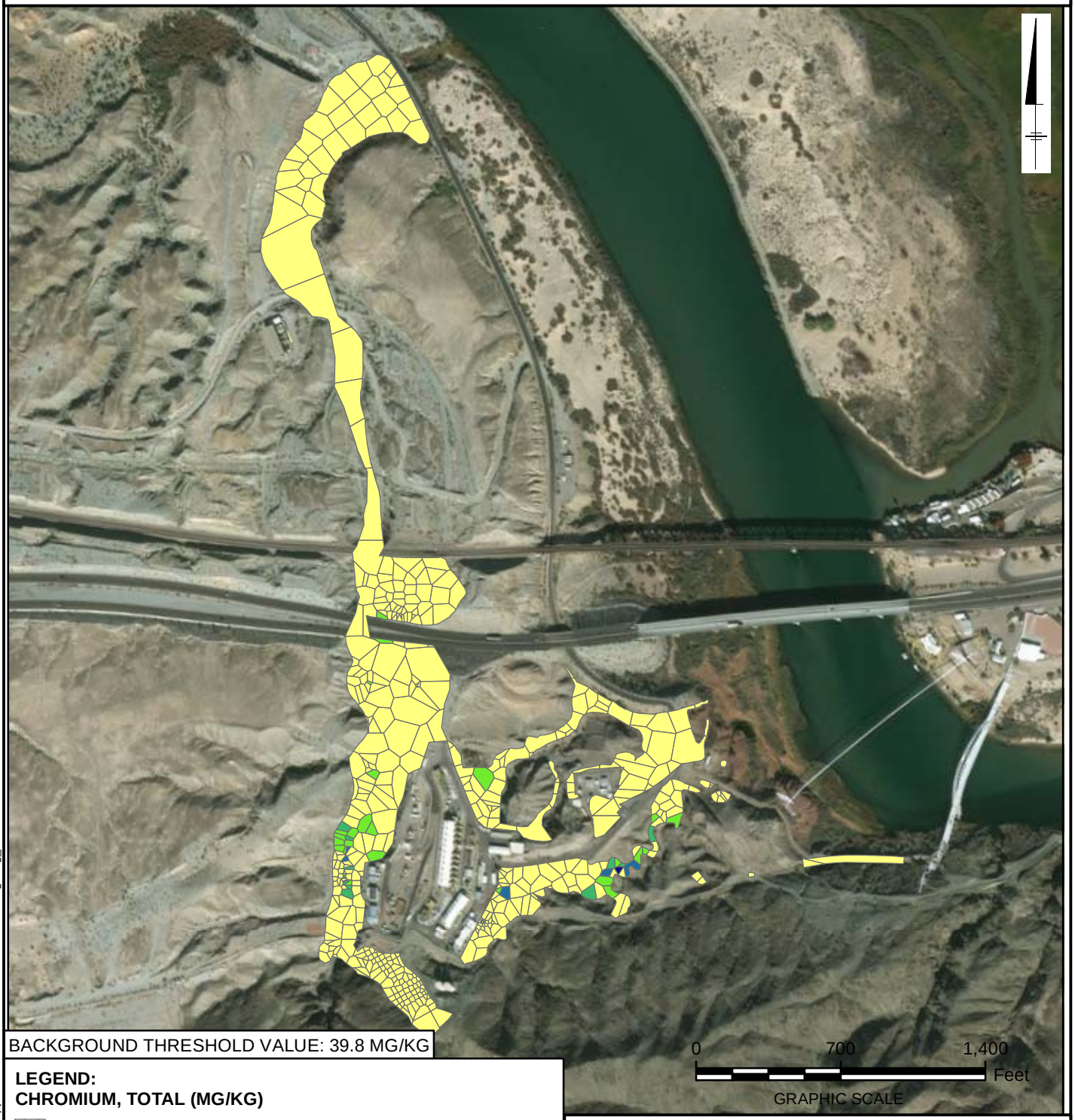
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.54

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 5.63 - 160.00
- ≥160.00 - 504.00
- ≥504.00 - 1180.00
- ≥1180.00 - 2740.00
- ≥2740.00 - 4000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

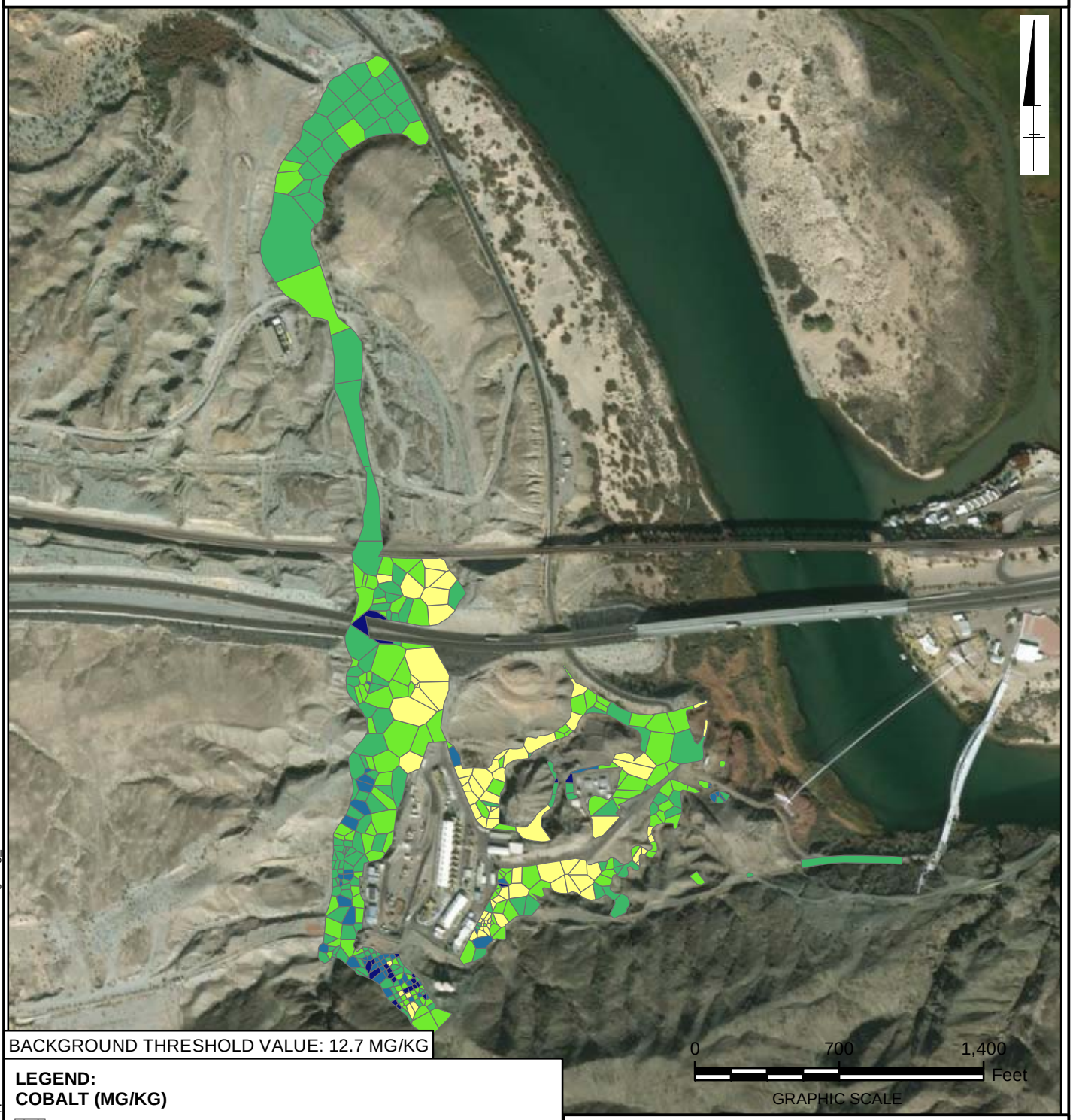
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.55

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 2.20 - 5.23
- ≥5.23 - 7.17
- ≥7.17 - 9.33
- ≥9.33 - 12.70
- ≥12.70 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

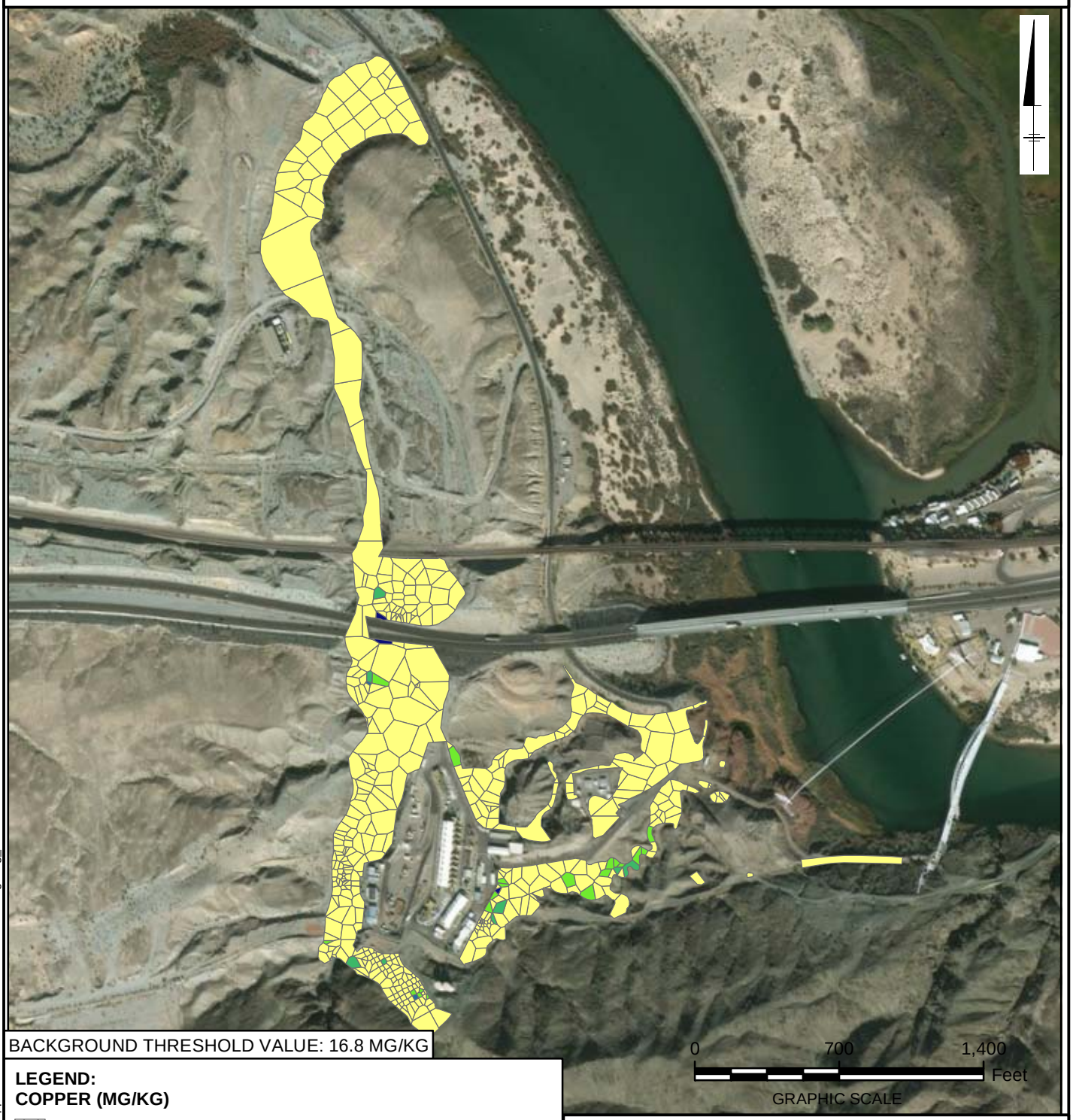
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.56

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 1.80 - 40.50
- ≥40.50 - 160.00
- ≥160.00 - 438.00
- ≥438.00 - 790.00
- ≥790.00 - 2070.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

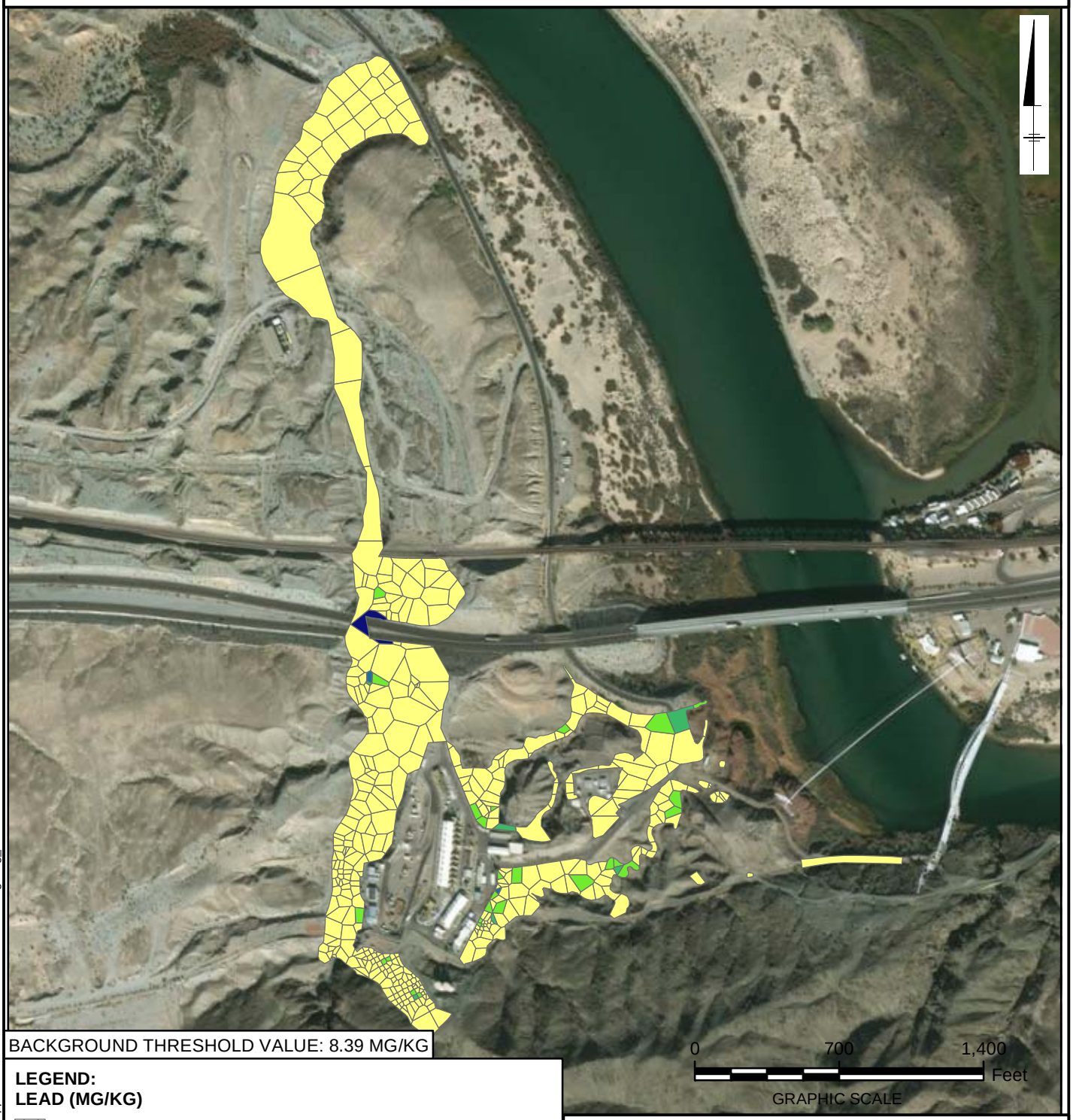
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.57

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.50 - 24.00
- ≥24.00 - 112.00
- ≥112.00 - 303.00
- ≥303.00 - 614.00
- ≥614.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

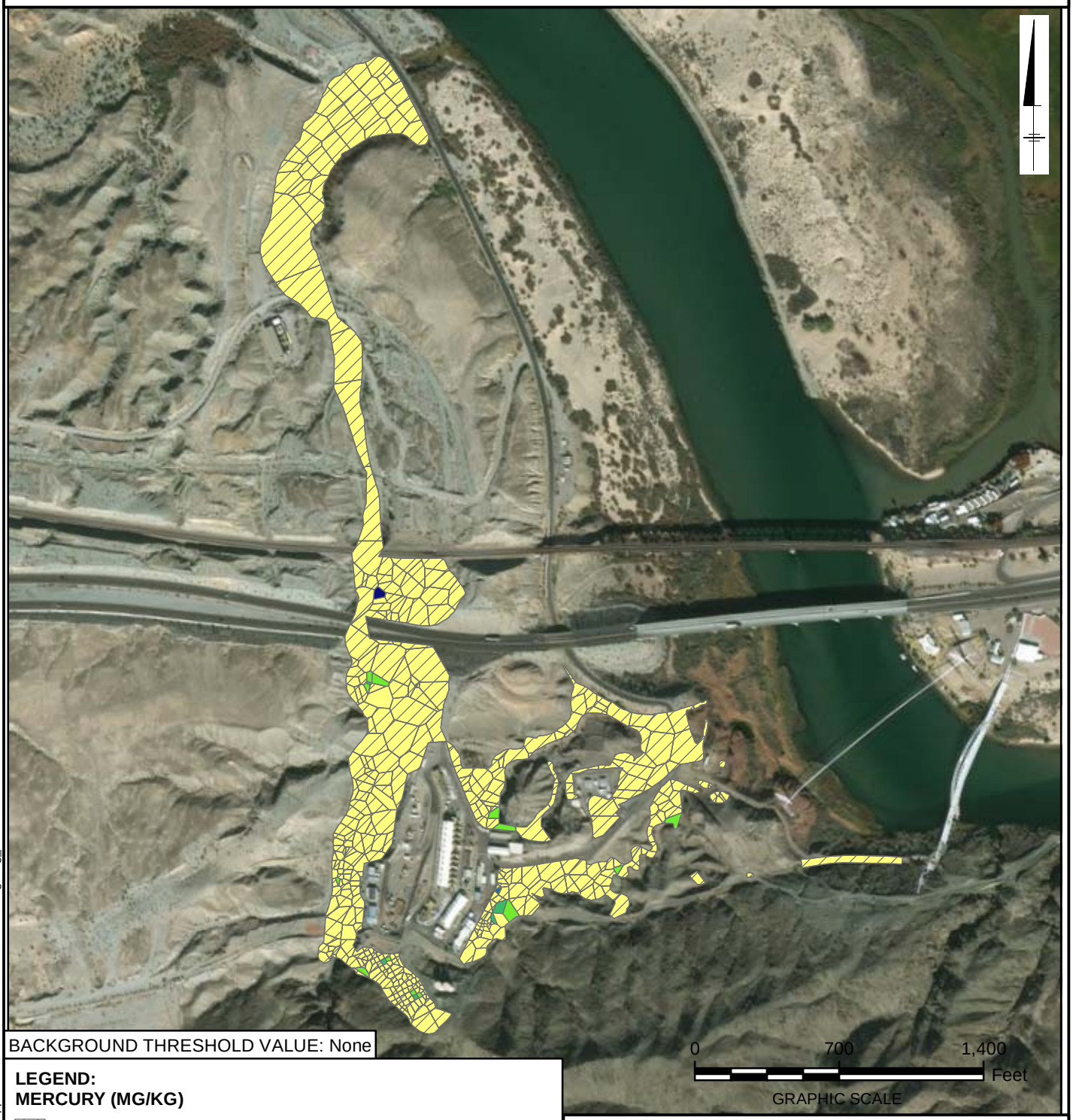
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.58

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.13
- ≥0.13 - 0.43
- ≥0.43 - 1.18
- ≥1.18 - 23.30
- ≥23.30 - 60.30

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

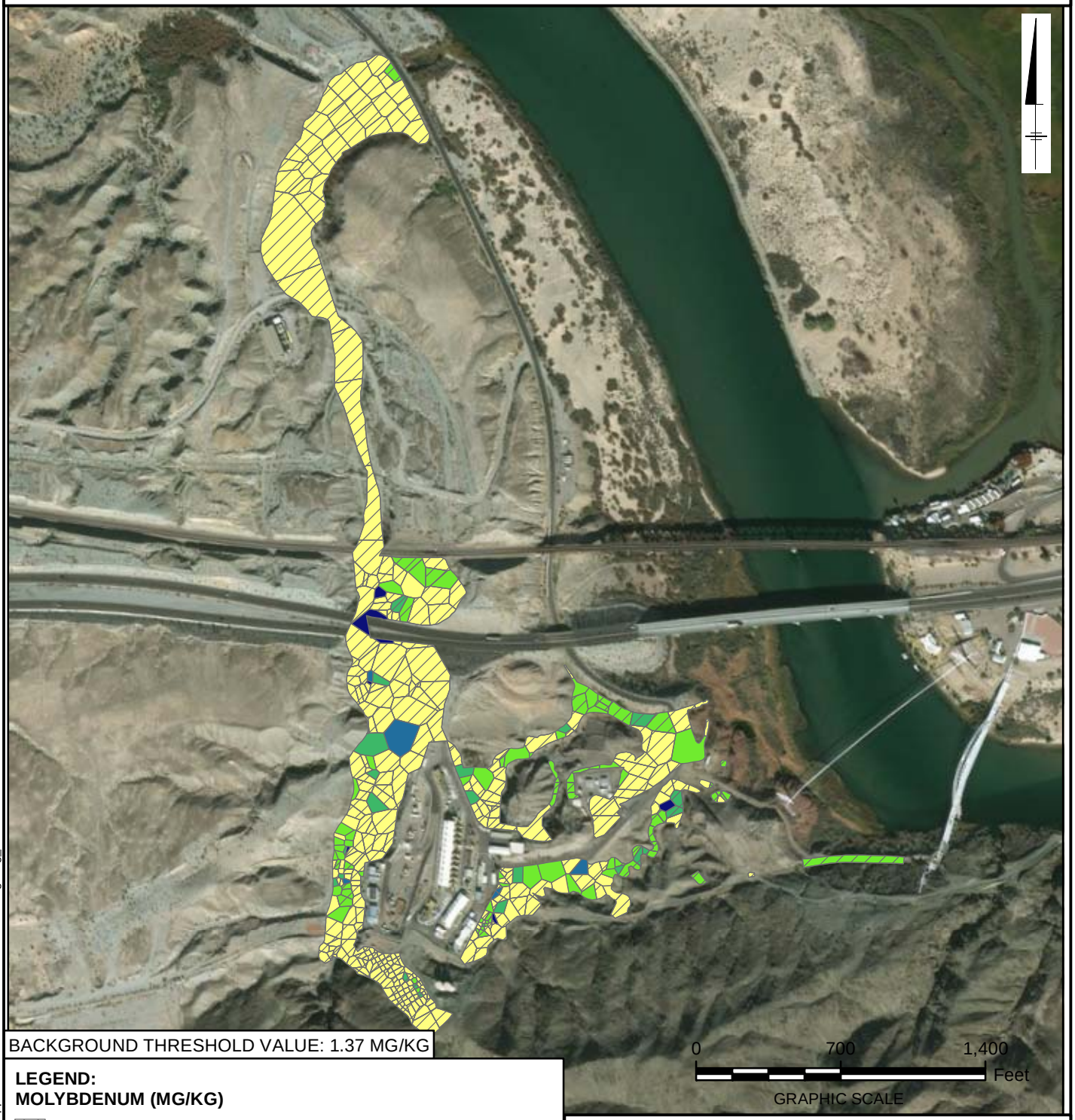
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.59

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.83
- ≥0.83 - 1.70
- ≥1.70 - 3.50
- ≥3.50 - 9.80
- ≥9.80 - 21.30

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

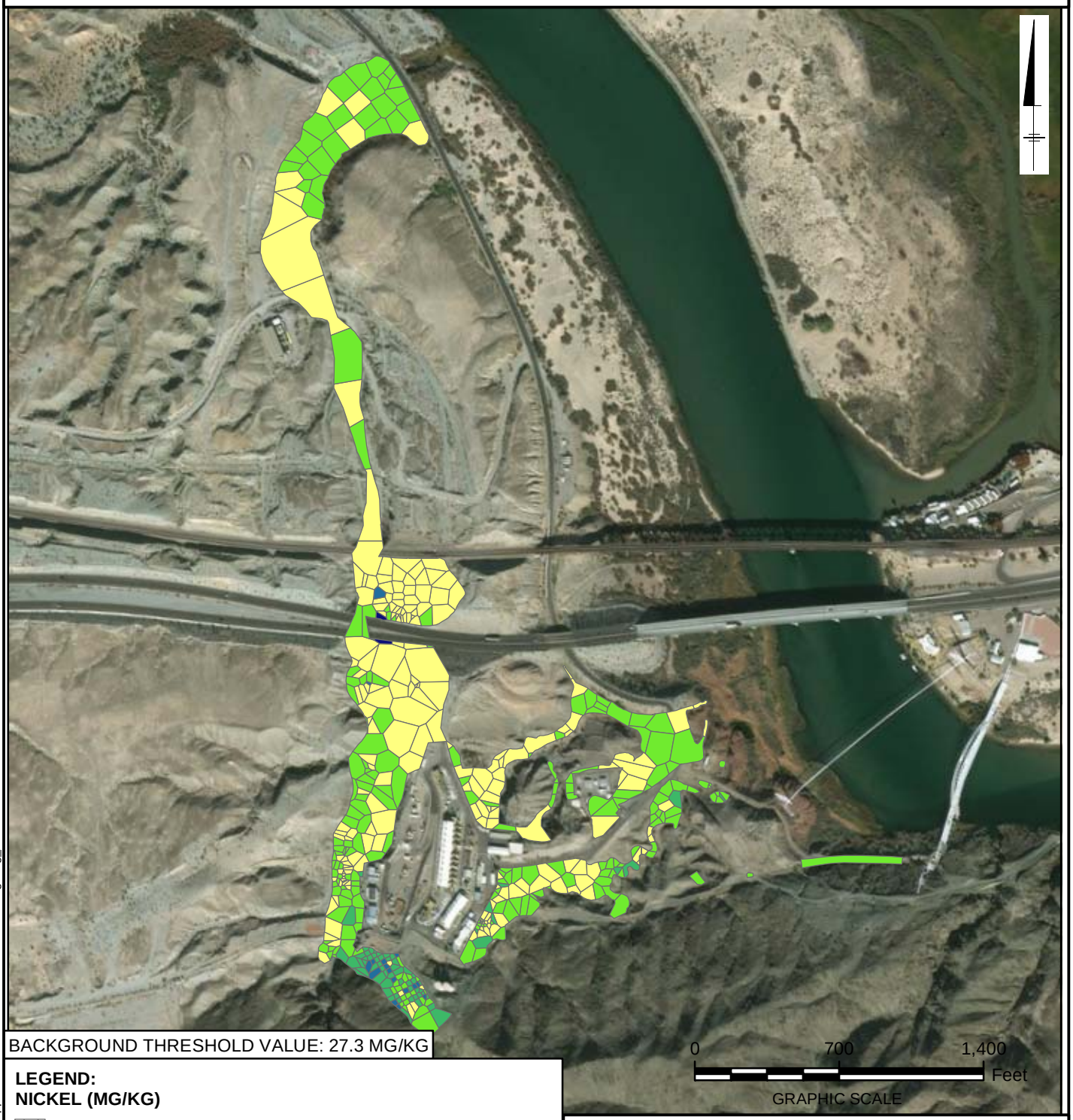
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.60

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 12.00
- ≥12.00 - 21.70
- ≥21.70 - 38.00
- ≥38.00 - 75.00
- ≥75.00 - 270.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

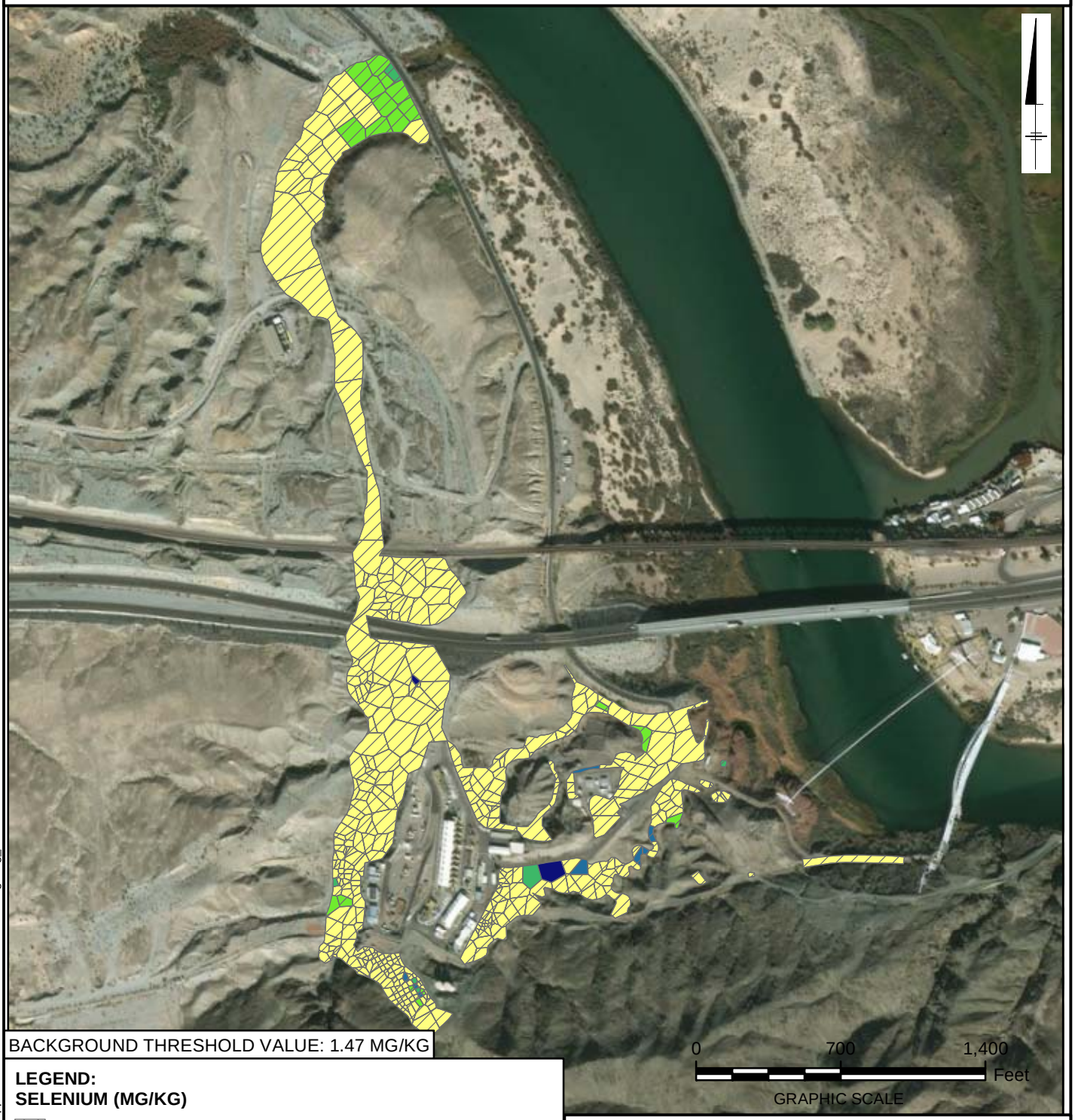
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.61

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
SELENIUM



BACKGROUND THRESHOLD VALUE: 1.47 MG/KG

LEGEND:
SELENIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.57
- ≥0.57 - 0.87
- ≥0.87 - 1.42
- ≥1.42 - 2.75
- ≥2.75 - 9.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

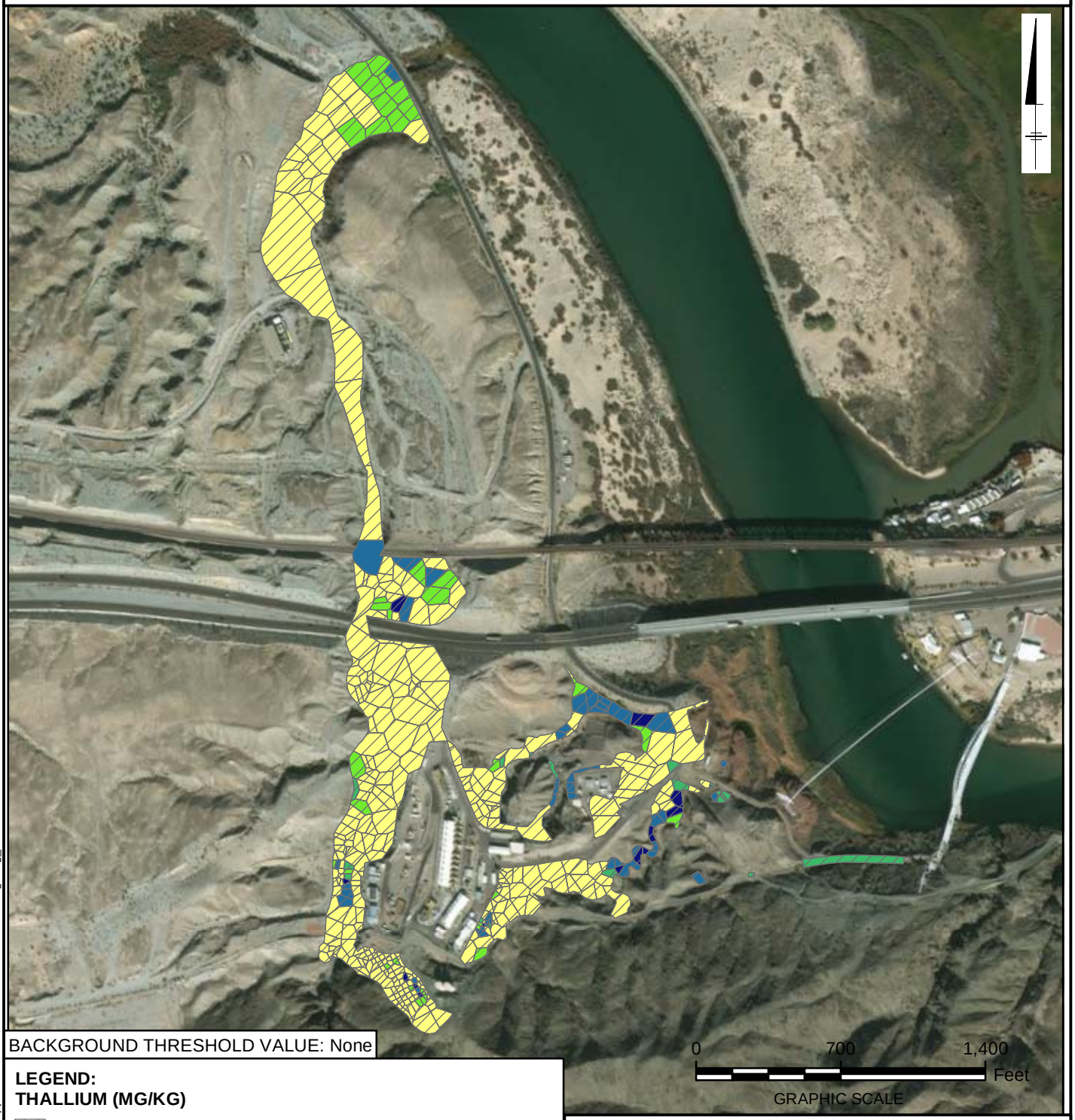
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.62

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
THALLIUM



BACKGROUND THRESHOLD VALUE: None

LEGEND:
THALLIUM (MG/KG)

- NOT DETECTED
- 0.50 - 1.13
- ≥1.13 - 1.45
- ≥1.45 - 1.88
- ≥1.88 - 3.03
- ≥3.03 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

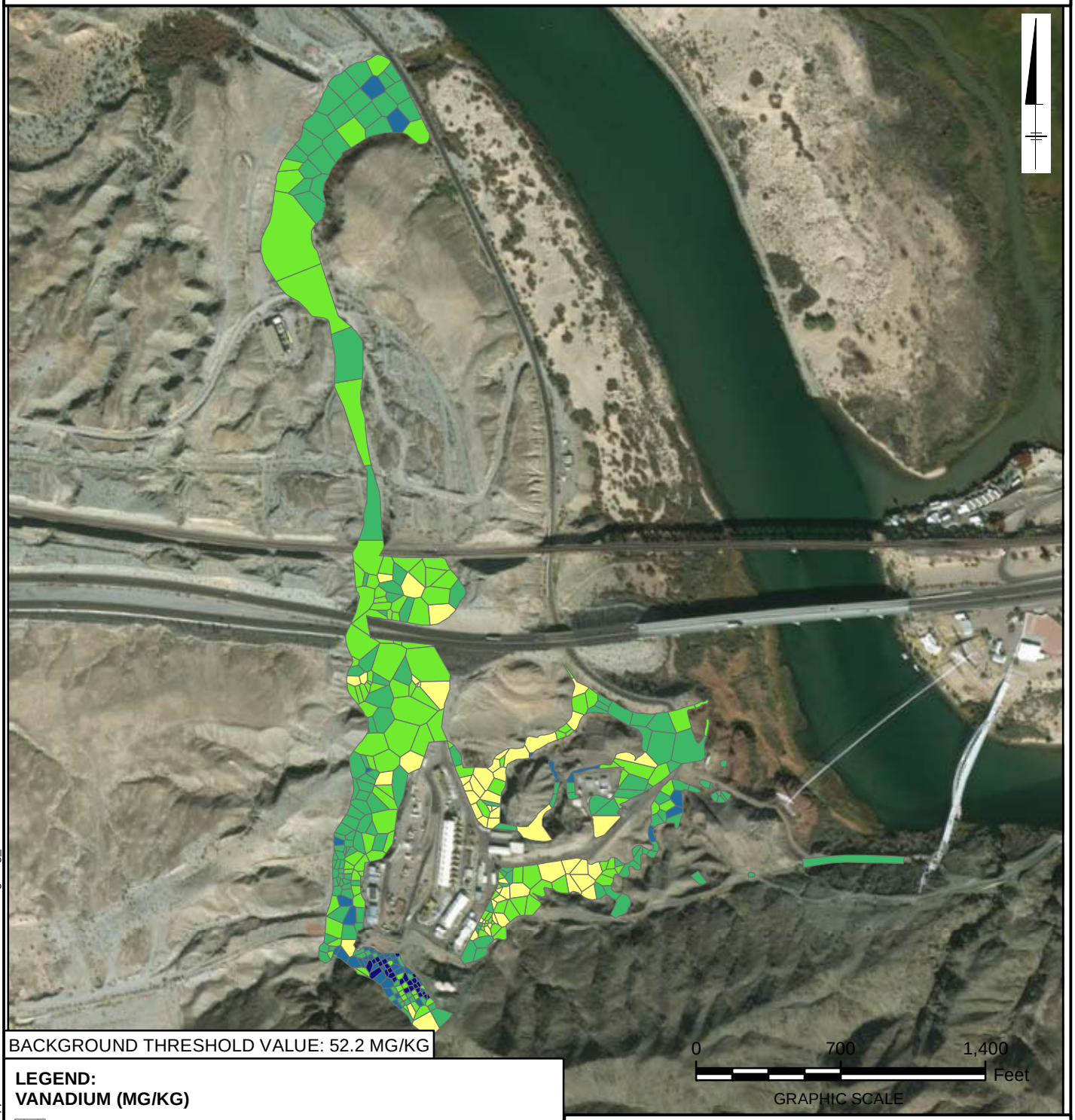
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.63

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 12.30 - 22.00
- ≥22.00 - 29.30
- ≥29.30 - 38.70
- ≥38.70 - 55.00
- ≥55.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

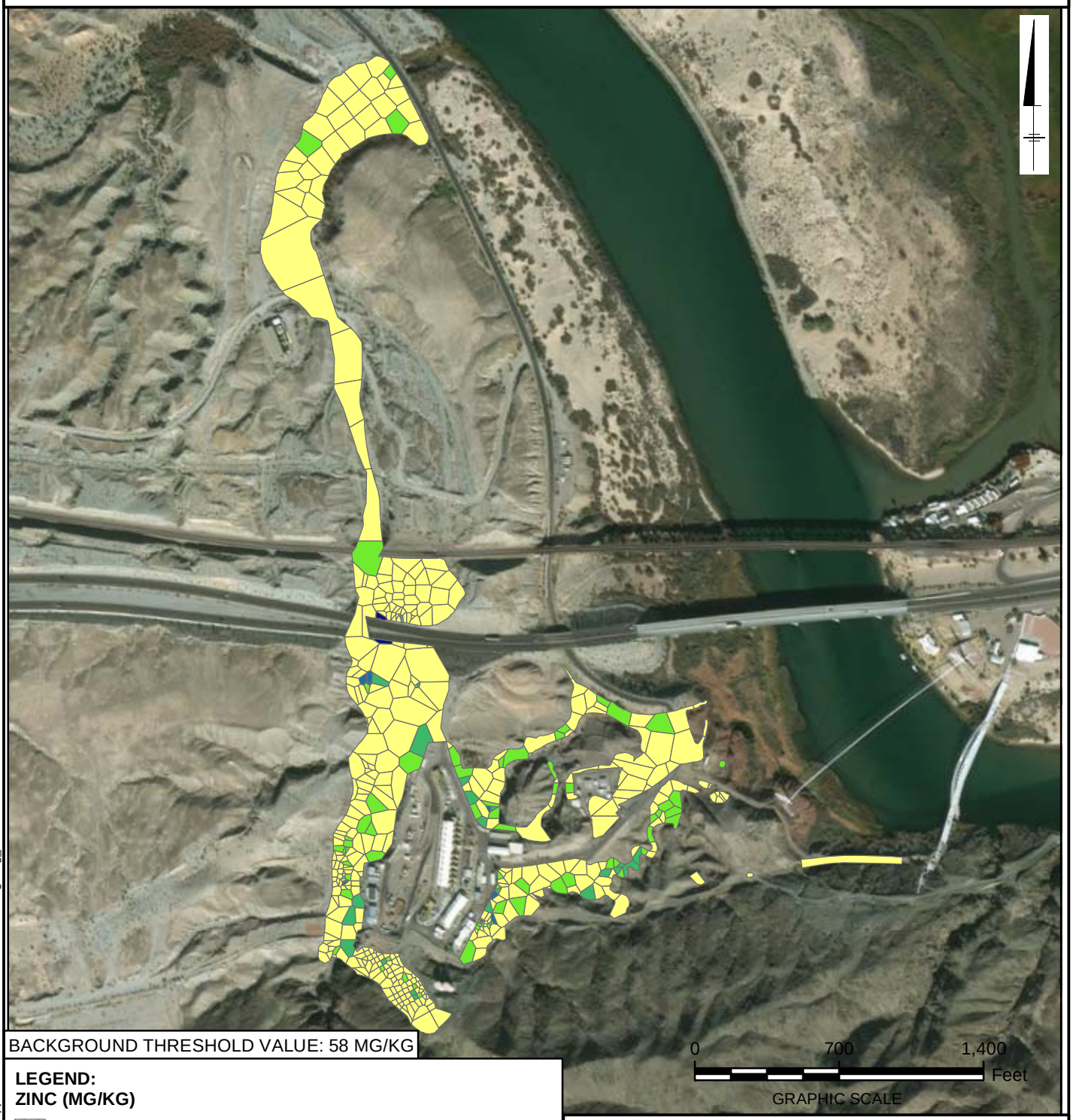
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.64

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 8.08 - 66.70
- ≥66.70 - 160.00
- ≥160.00 - 410.00
- ≥410.00 - 1000.00
- ≥1000.00 - 2000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

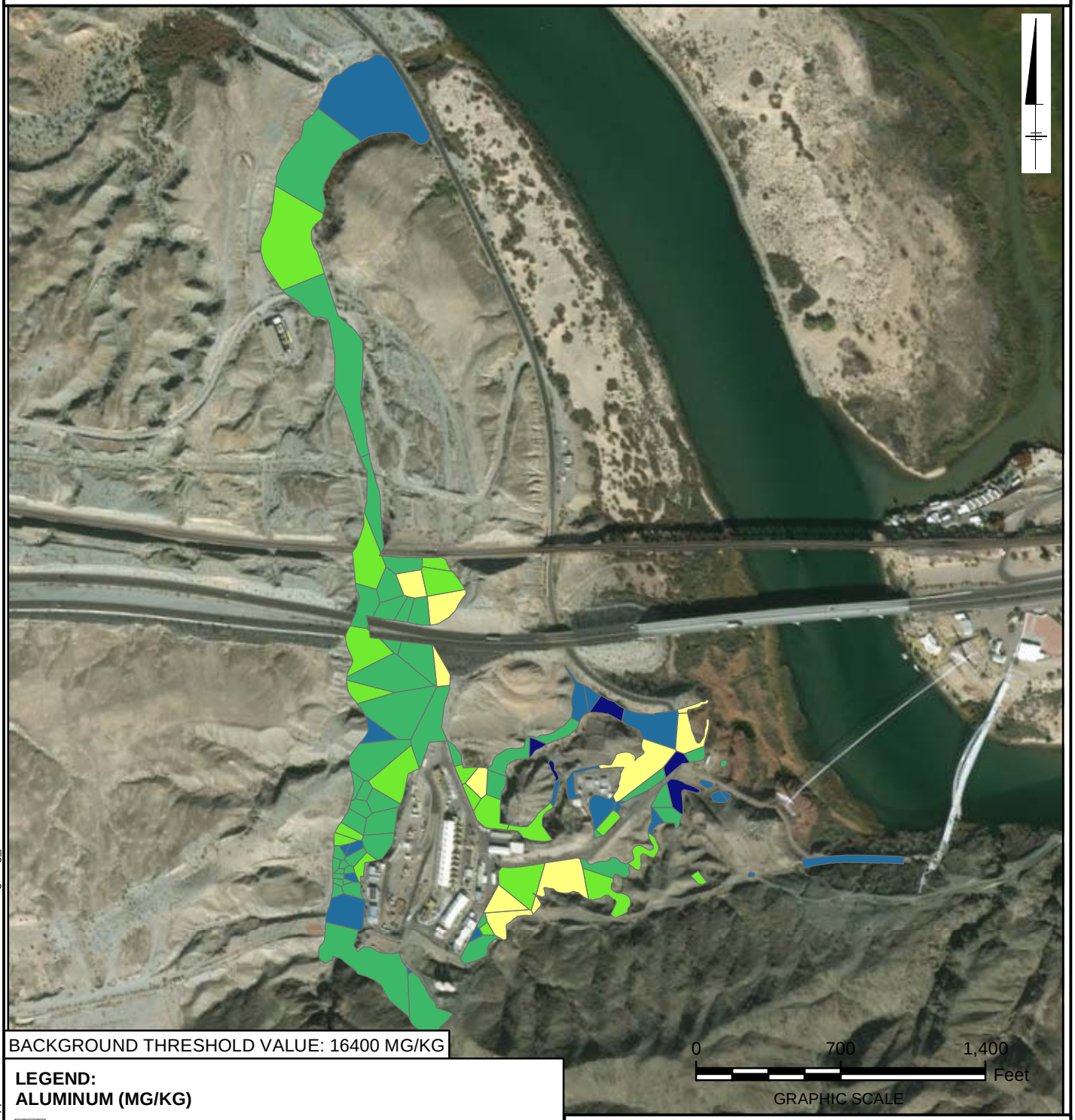
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.65

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 5400.00
- ≥5400.00 - 7500.00
- ≥7500.00 - 10000.00
- ≥10000.00 - 15000.00
- ≥15000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

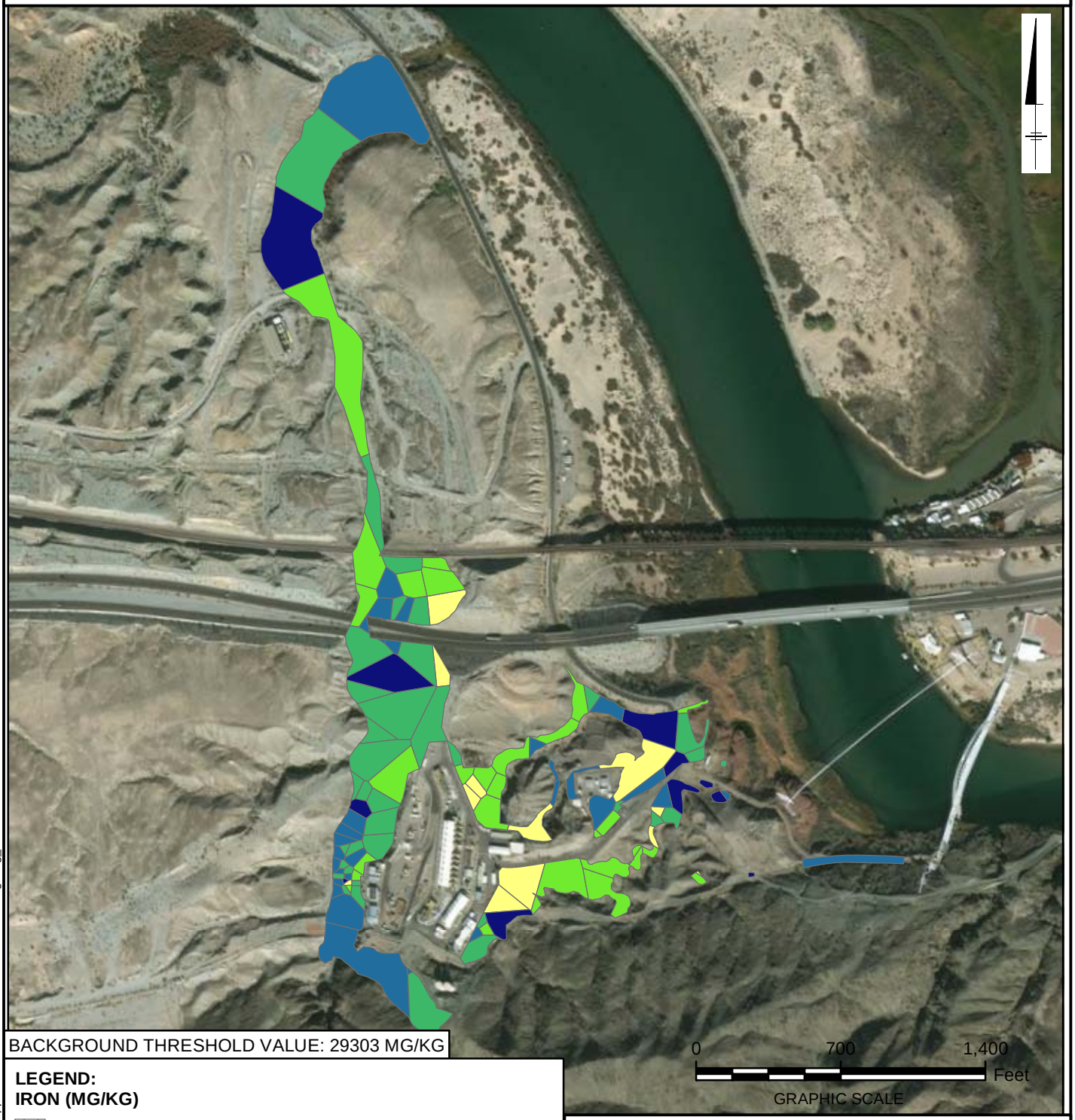
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.66

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 540.00 - 9900.00
- ≥9900.00 - 15000.00
- ≥15000.00 - 19000.00
- ≥19000.00 - 24000.00
- ≥24000.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

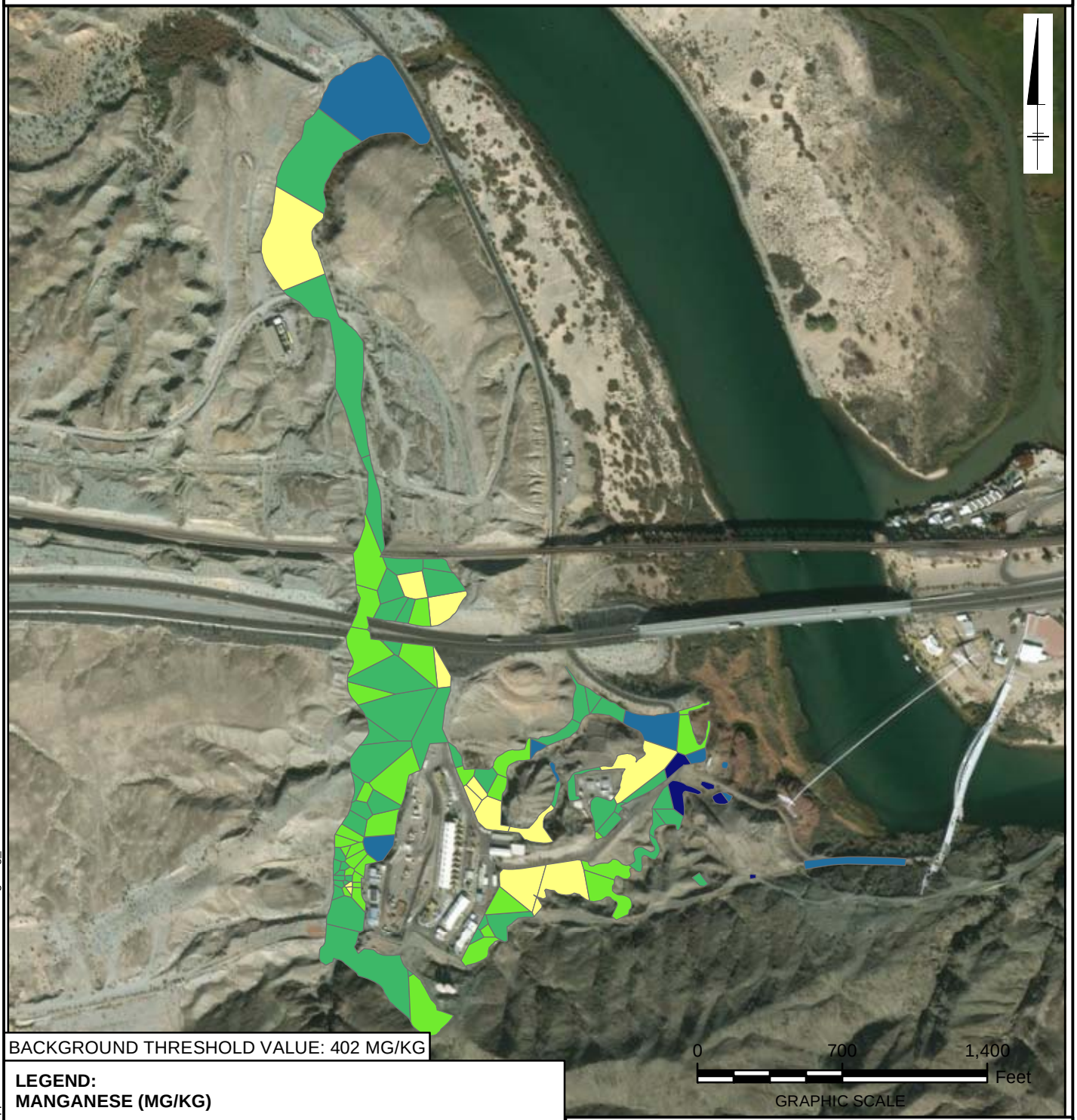
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.67

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 67.40 - 180.00
- ≥180.00 - 240.00
- ≥240.00 - 370.00
- ≥370.00 - 670.00
- ≥670.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

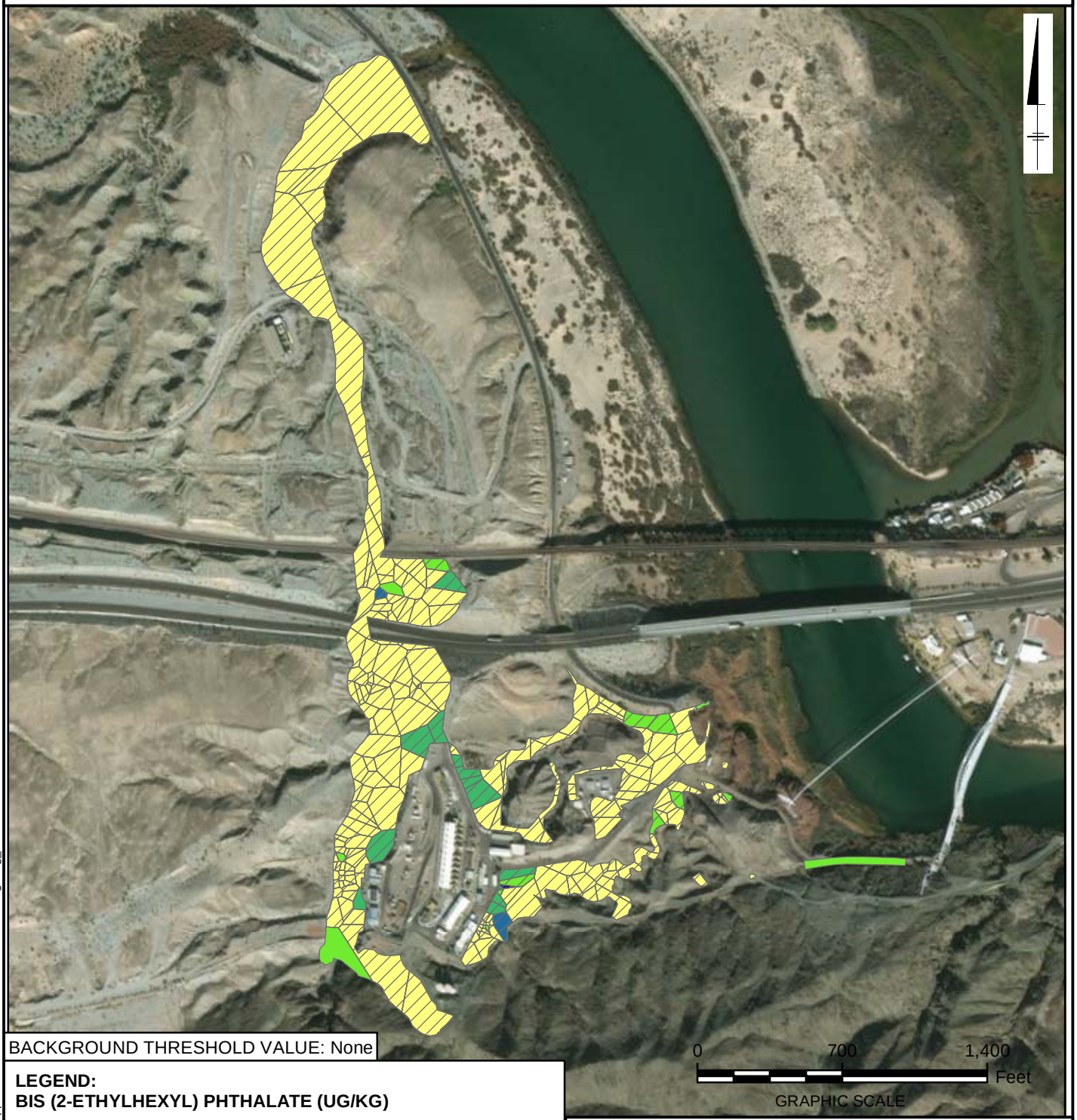
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.68

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BIS (2-ETHYLHEXYL) PHTHALATE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BIS (2-ETHYLHEXYL) PHTHALATE (UG/KG)

- NOT DETECTED
- 165.00 - 303.00
- ≥303.00 - 660.00
- ≥660.00 - 2000.00
- ≥2000.00 - 14300.00
- ≥14300.00 - 27900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

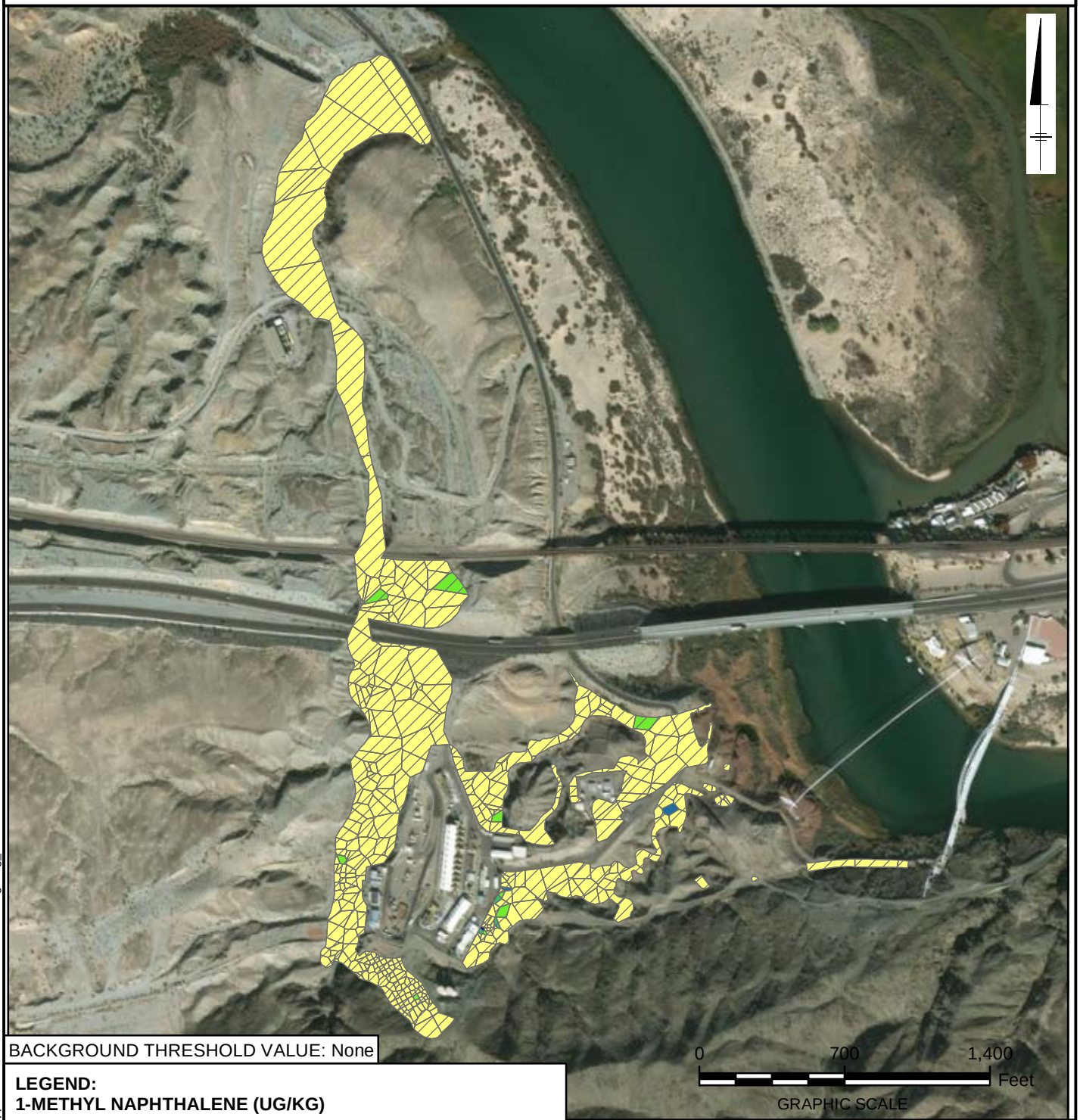
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.69

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.98
- ≥4.98 - 16.80
- ≥16.80 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 180.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

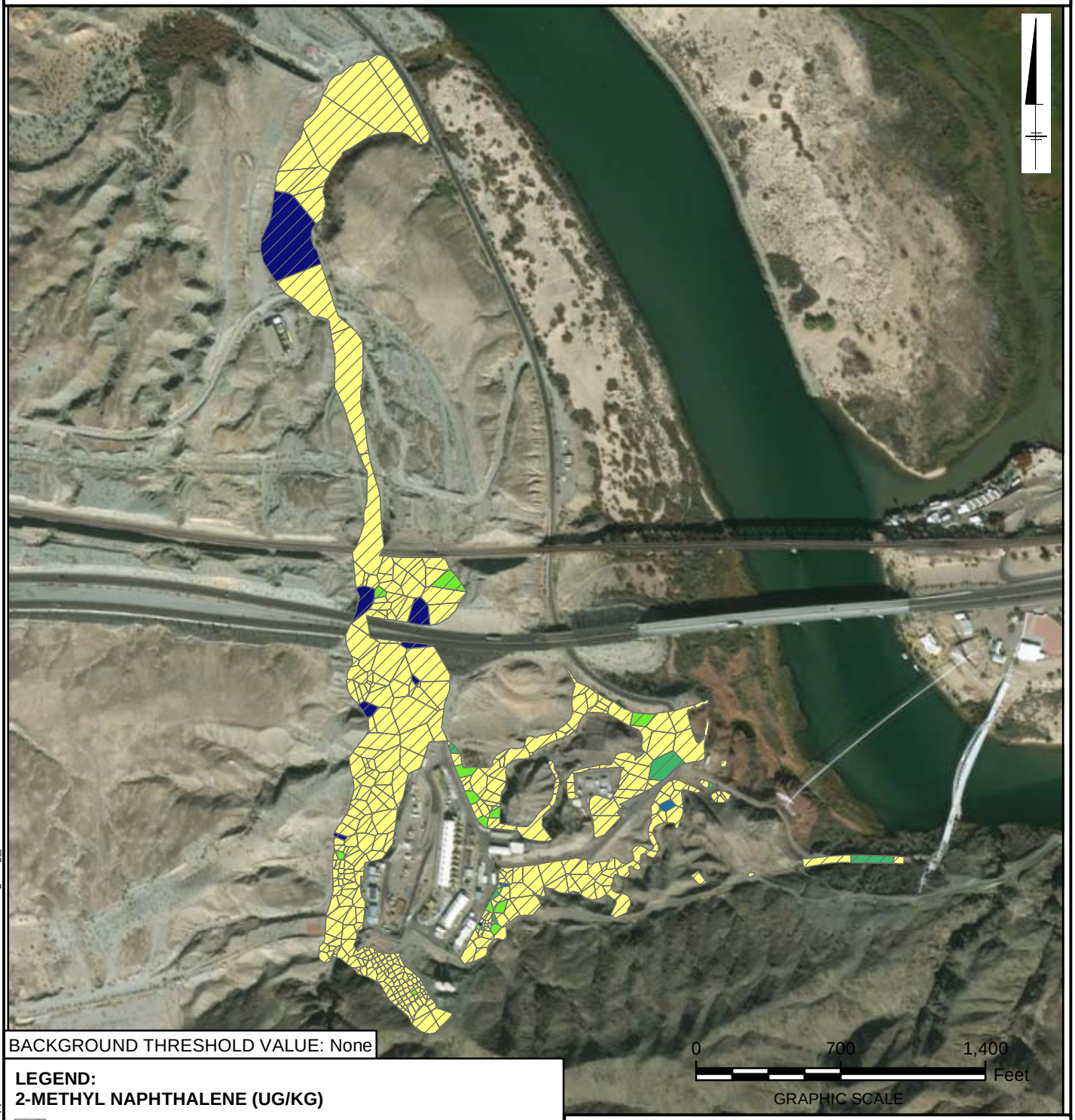
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.70

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.57
- ≥3.57 - 13.70
- ≥13.70 - 45.80
- ≥45.80 - 85.90
- ≥85.90 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

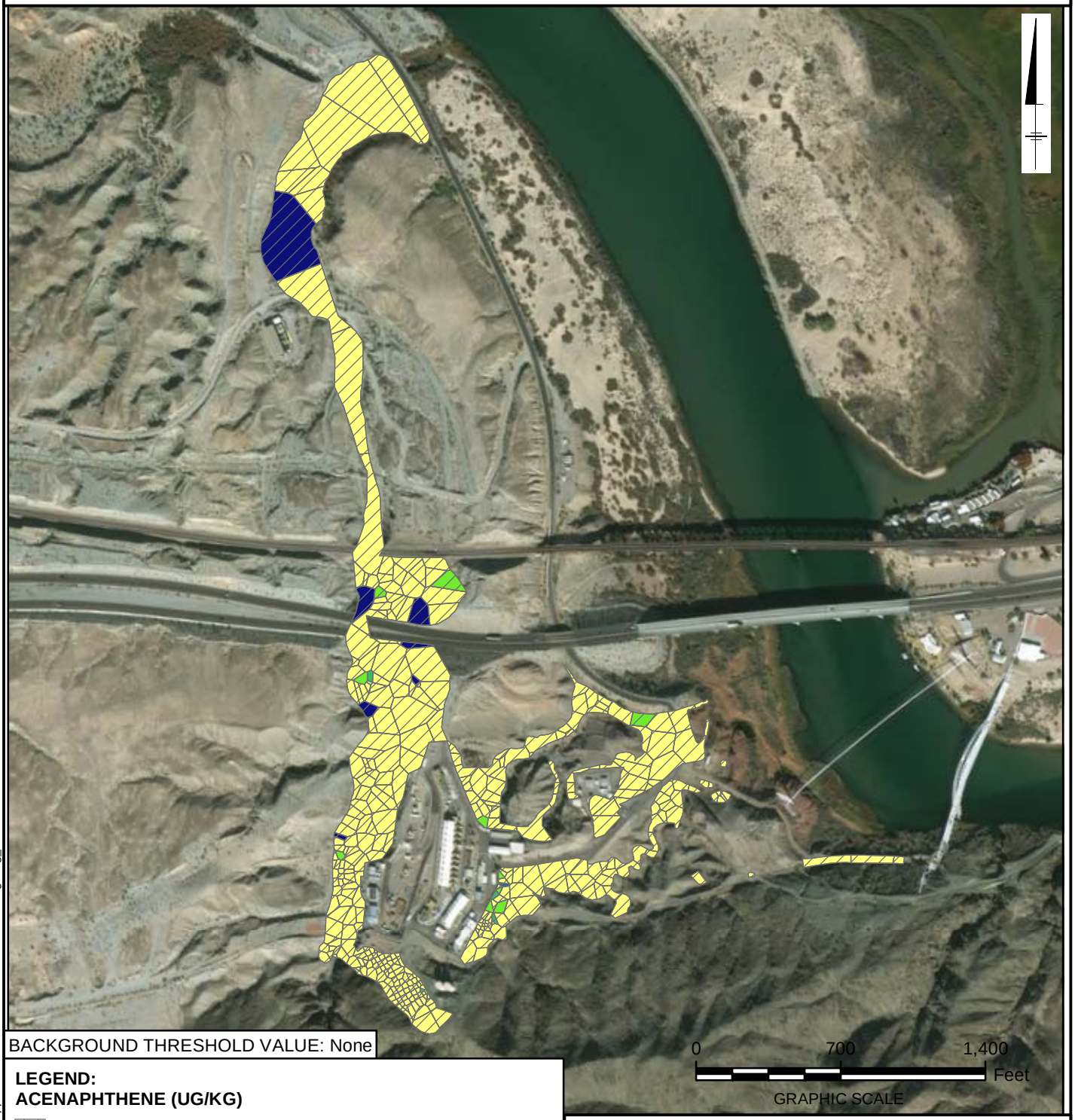
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.71

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ACENAPHTHENE



LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.58
- ≥4.58 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

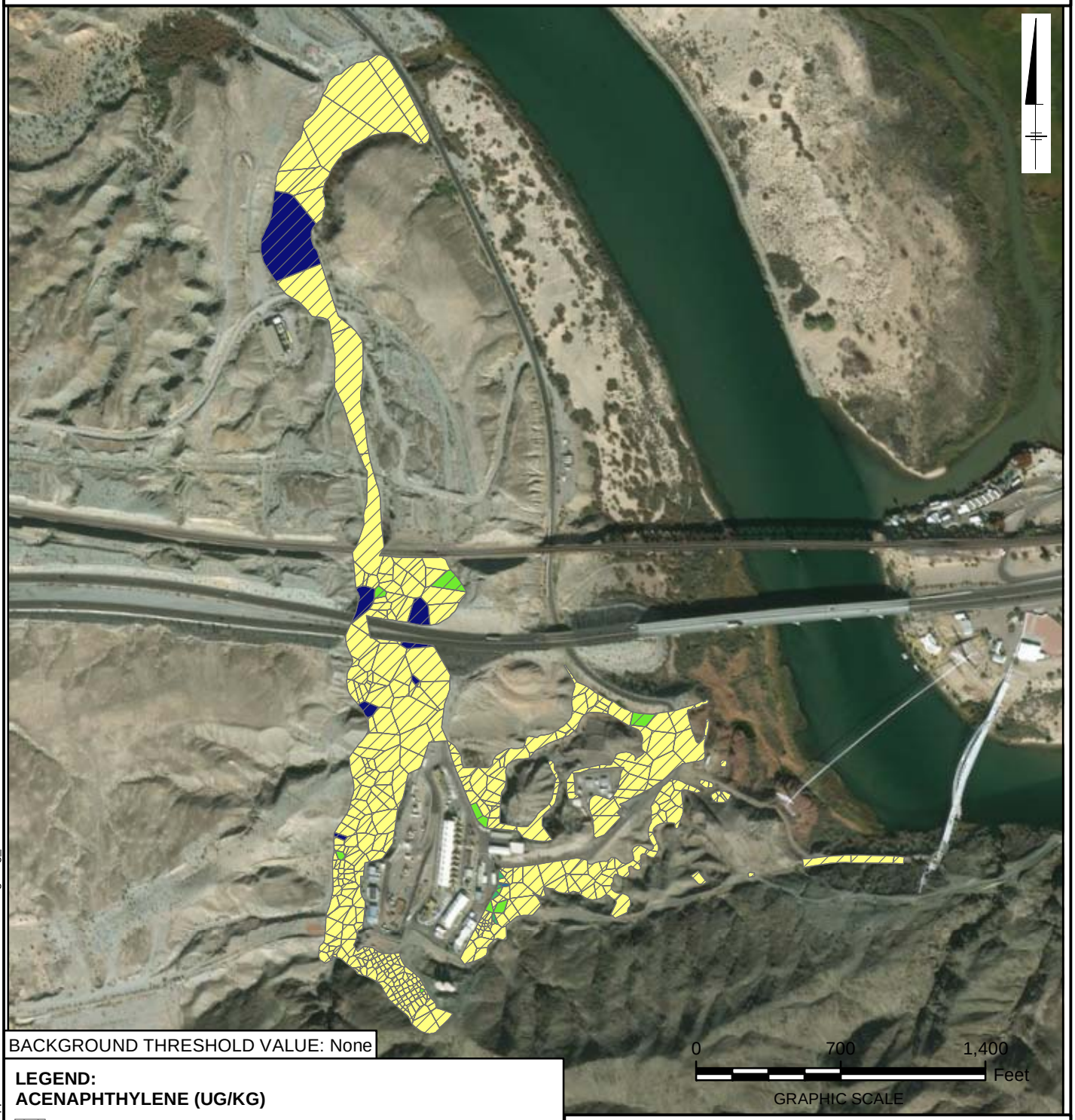
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.72

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.58
- ≥4.58 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

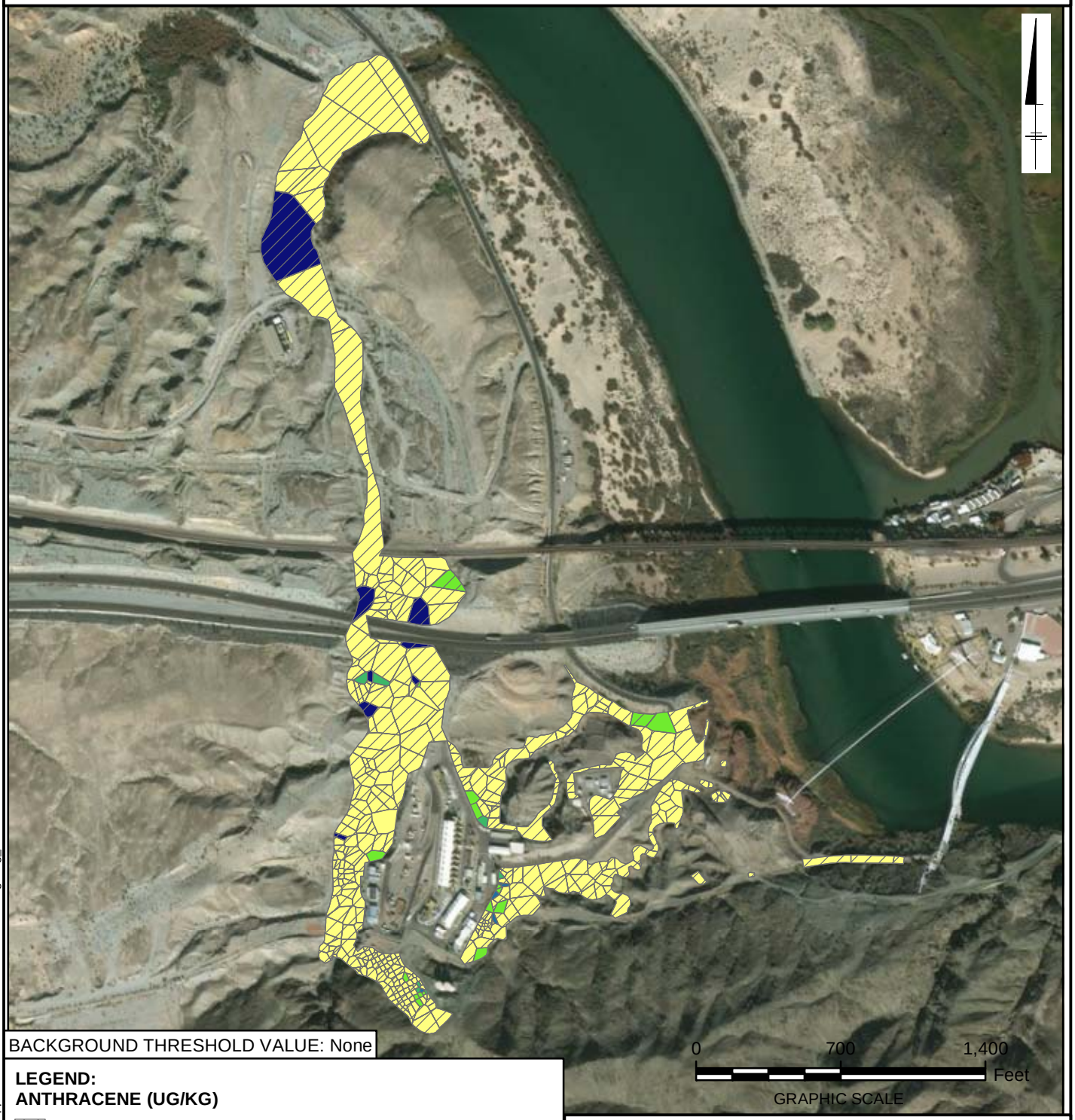
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.73

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 7.37
- ≥7.37 - 24.00
- ≥24.00 - 46.20
- ≥46.20 - 95.00
- ≥95.00 - 476.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

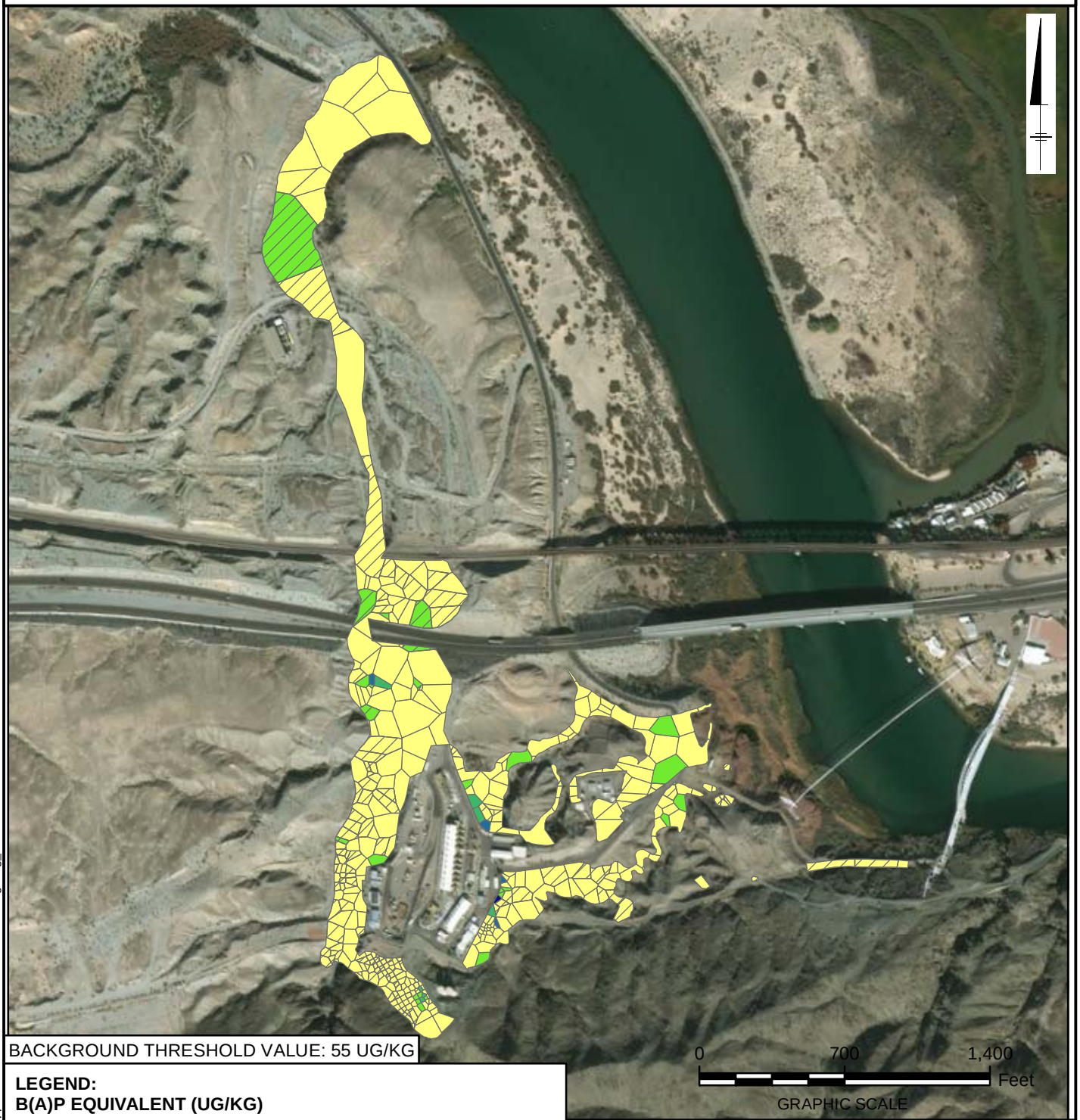
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.74

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 180.00
- ≥180.00 - 565.00
- ≥565.00 - 1160.00
- ≥1160.00 - 2600.00
- ≥2600.00 - 5470.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

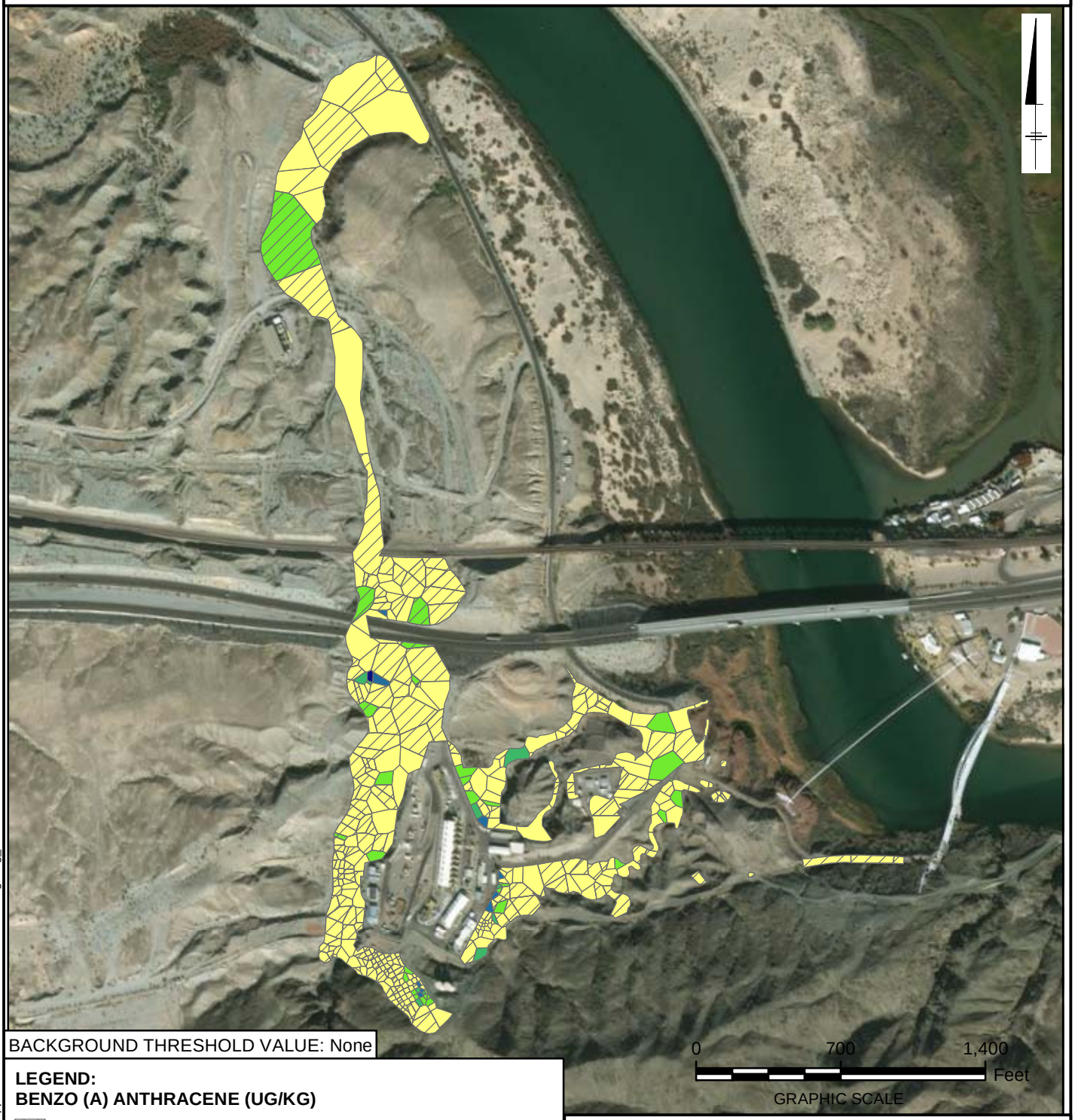
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.75

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 66.00
- ≥66.00 - 250.00
- ≥250.00 - 560.00
- ≥560.00 - 1270.00
- ≥1270.00 - 2450.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

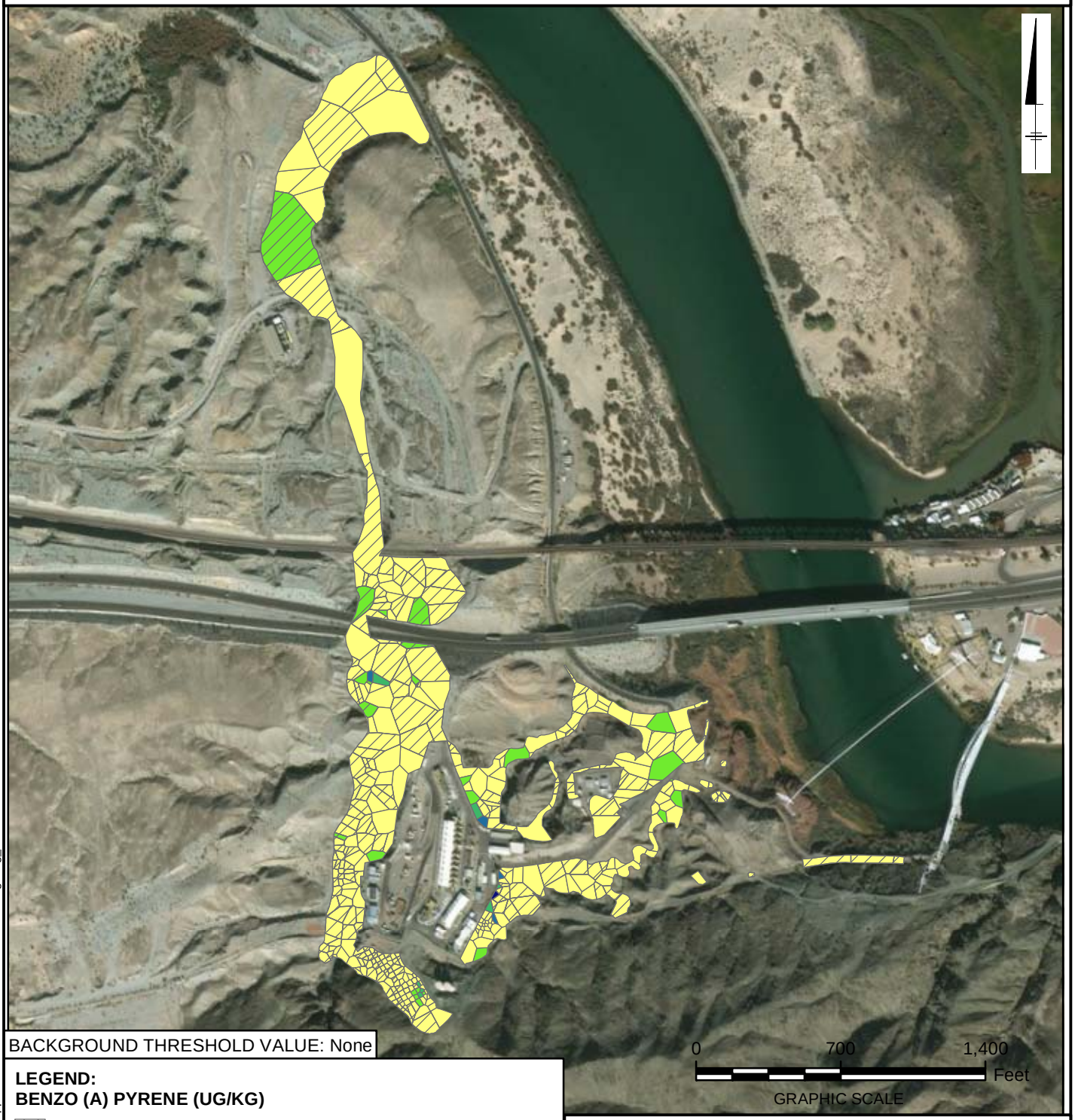
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.76

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 110.00
- ≥110.00 - 369.00
- ≥369.00 - 755.00
- ≥755.00 - 1640.00
- ≥1640.00 - 2930.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

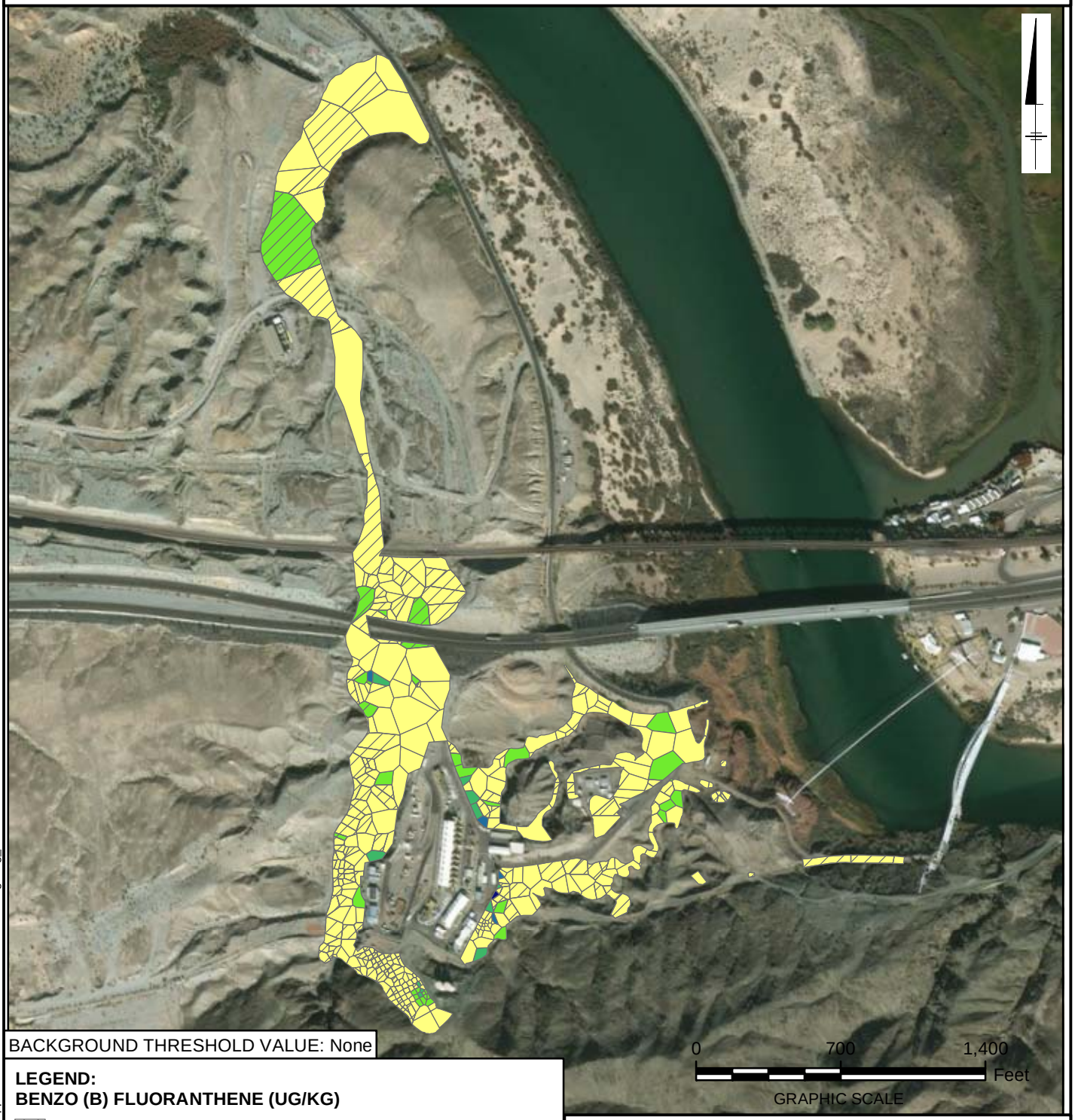
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.77

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 130.00
- ≥130.00 - 580.00
- ≥580.00 - 1400.00
- ≥1400.00 - 2870.00
- ≥2870.00 - 10000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

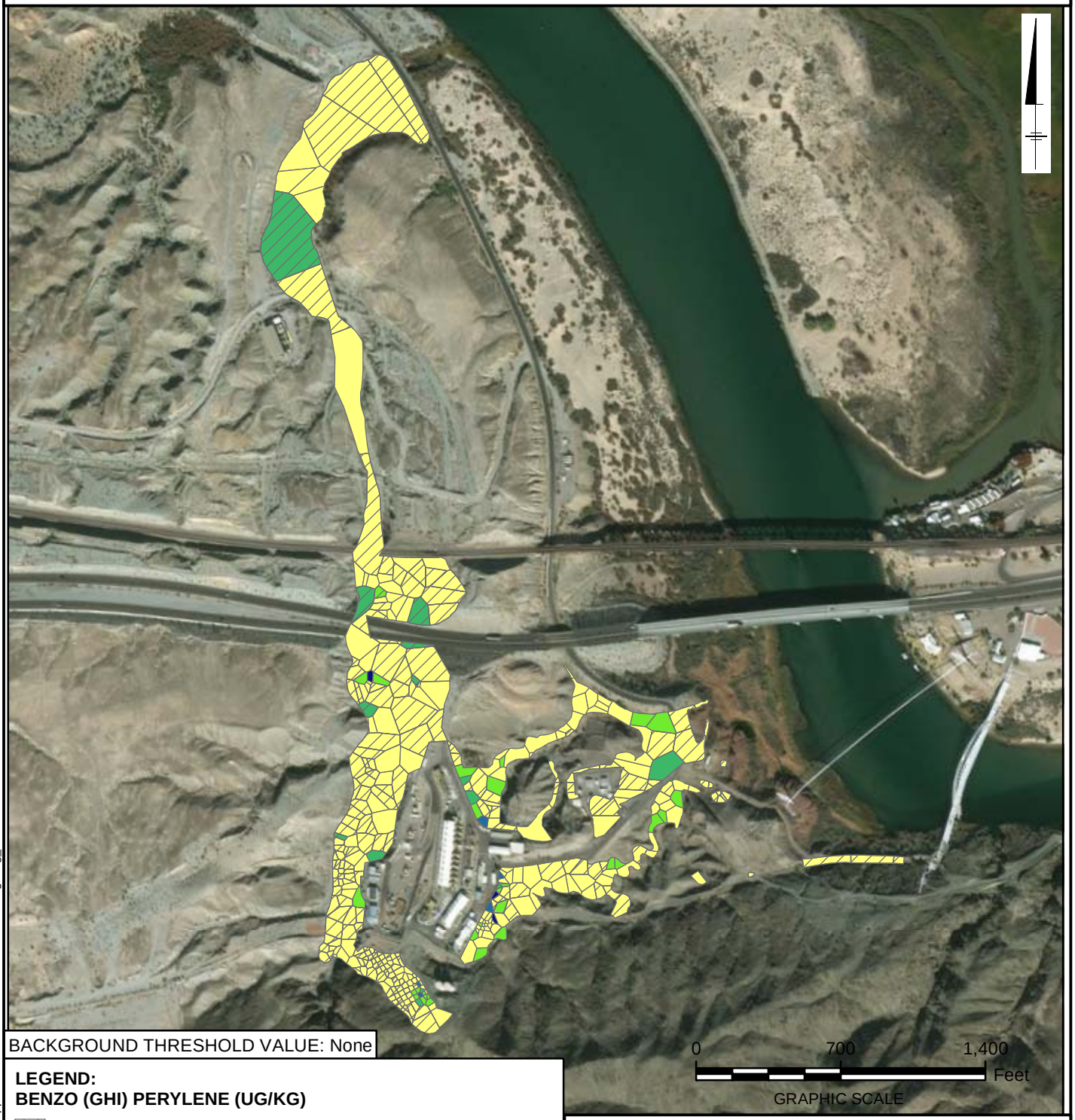
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.78

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 41.30
- ≥41.30 - 121.00
- ≥121.00 - 303.00
- ≥303.00 - 561.00
- ≥561.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

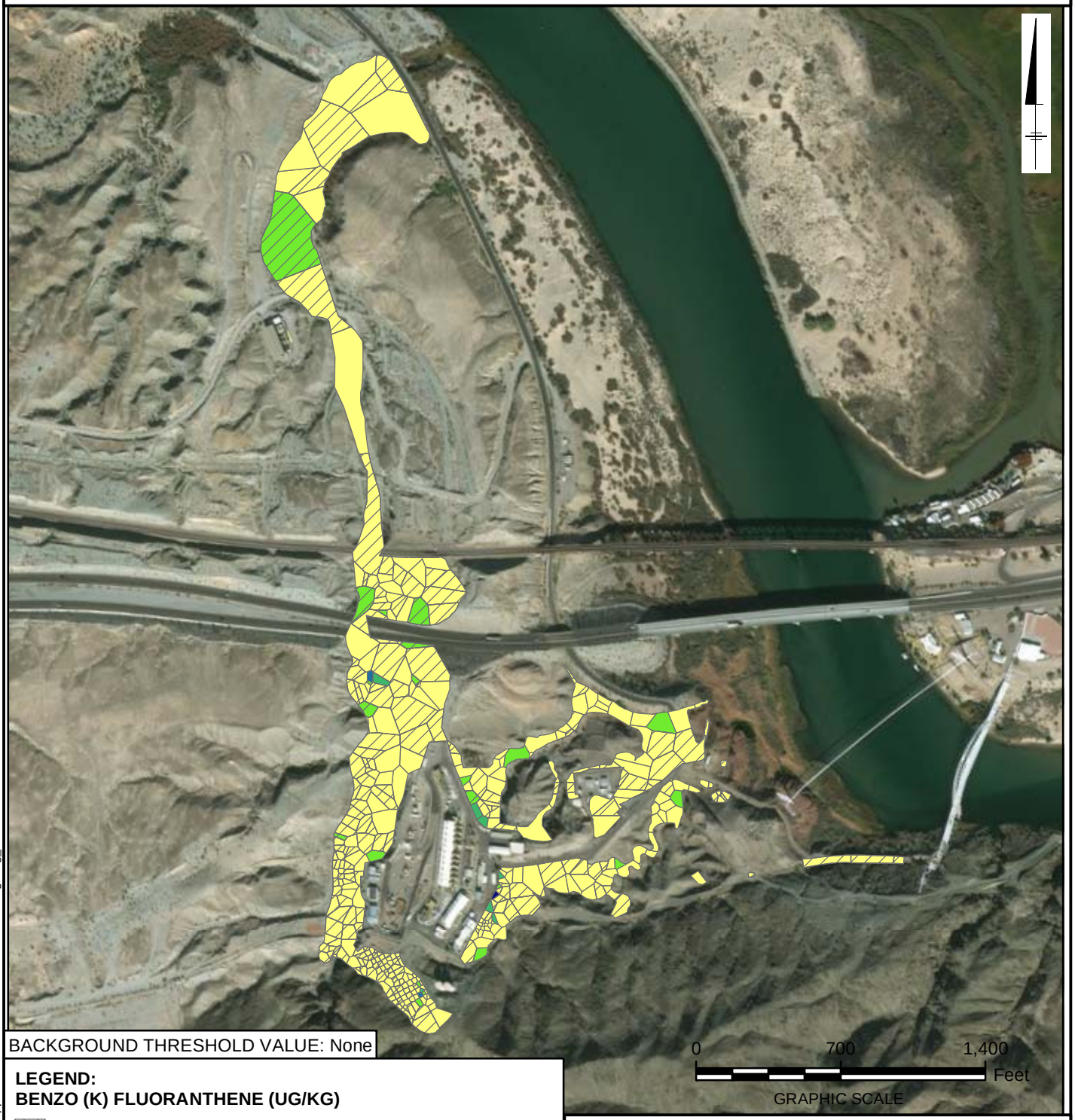
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.79

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 93.80
- ≥93.80 - 305.00
- ≥305.00 - 734.00
- ≥734.00 - 1400.00
- ≥1400.00 - 3870.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

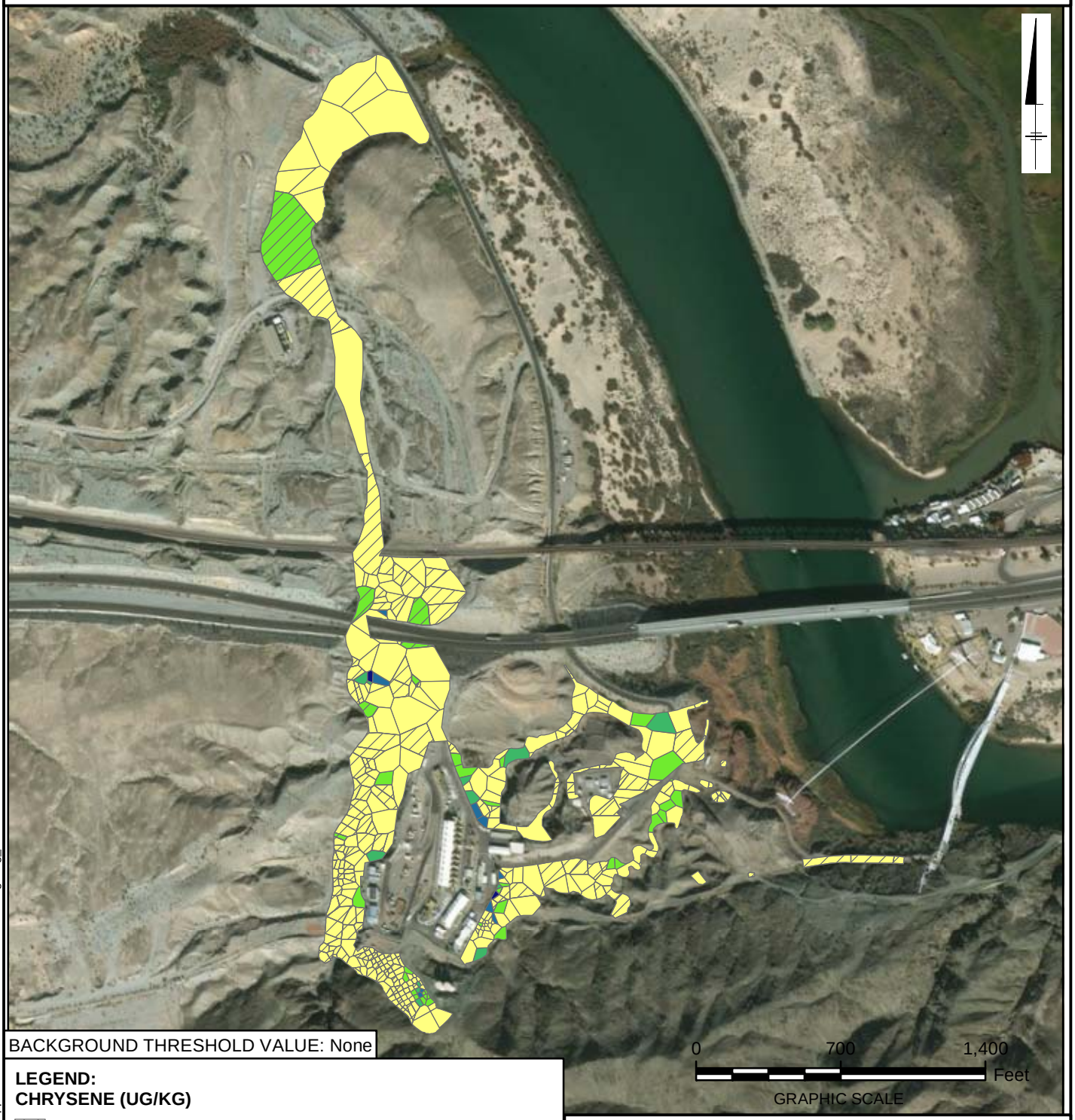
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.80

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 68.00
- ≥68.00 - 250.00
- ≥250.00 - 630.00
- ≥630.00 - 1730.00
- ≥1730.00 - 3470.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

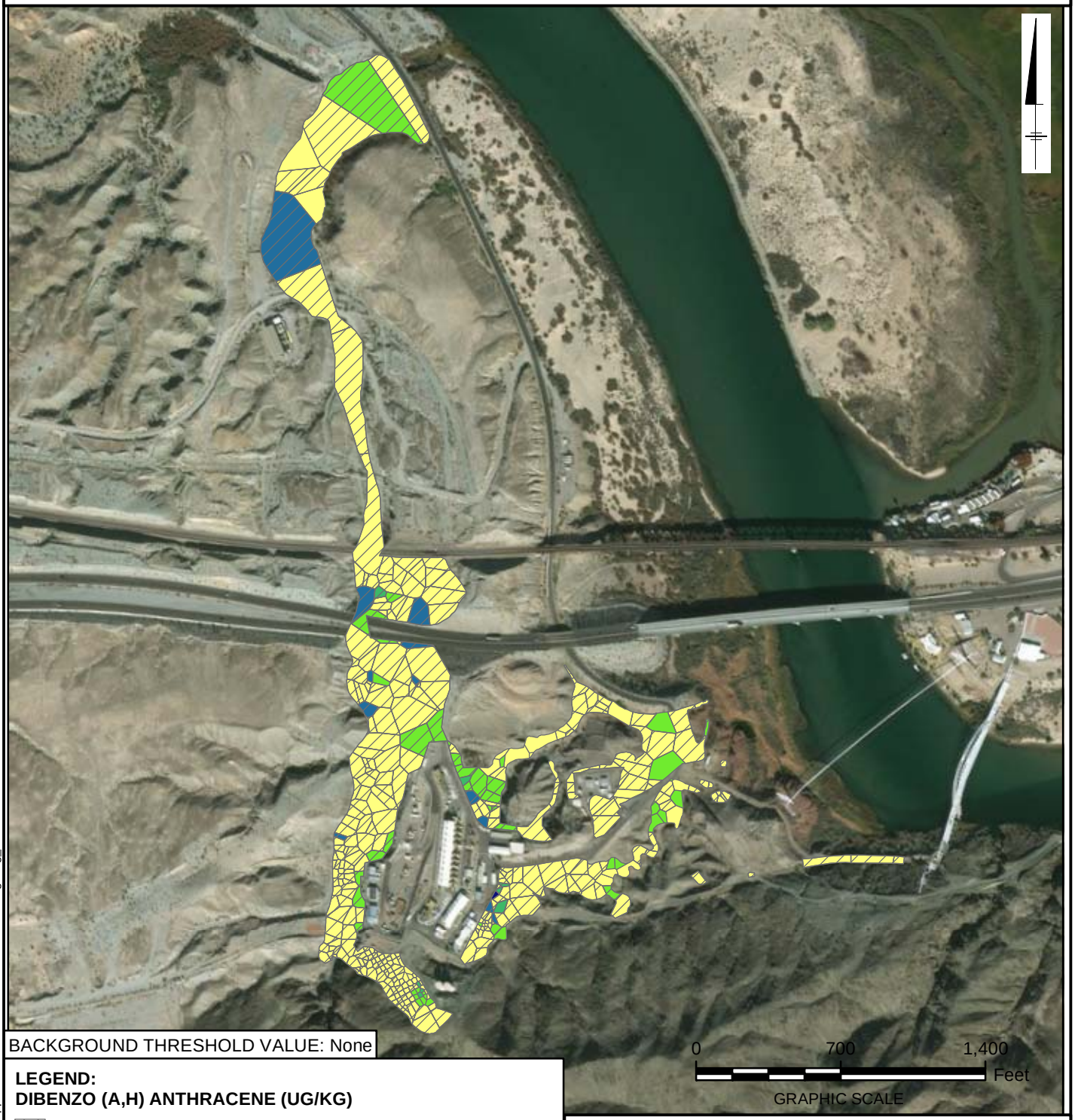
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.81

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 12.50
- ≥12.50 - 38.20
- ≥38.20 - 93.80
- ≥93.80 - 356.00
- ≥356.00 - 1270.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

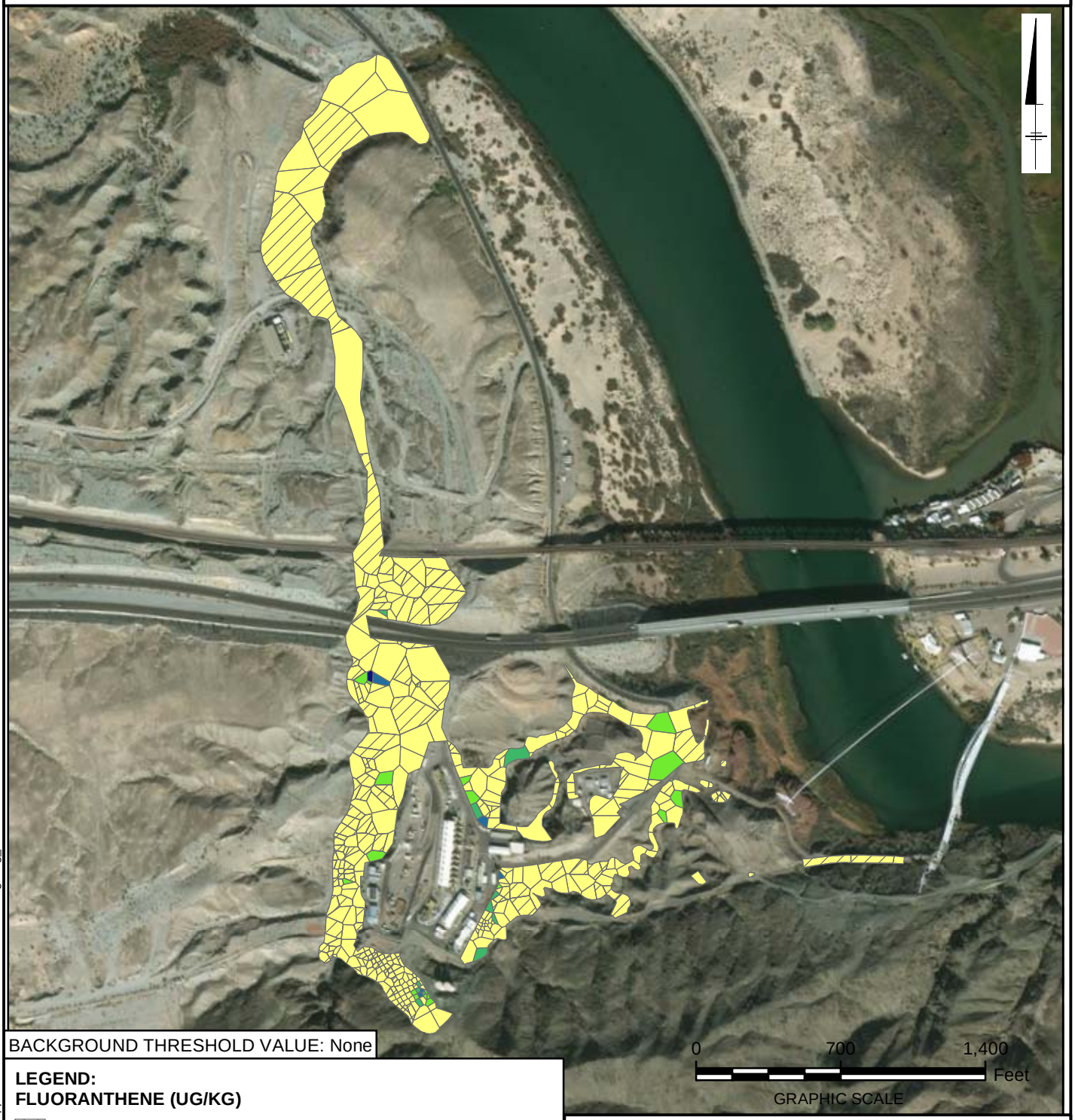
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.82

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 207.00
- ≥207.00 - 614.00
- ≥614.00 - 1400.00
- ≥1400.00 - 2470.00
- ≥2470.00 - 5950.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

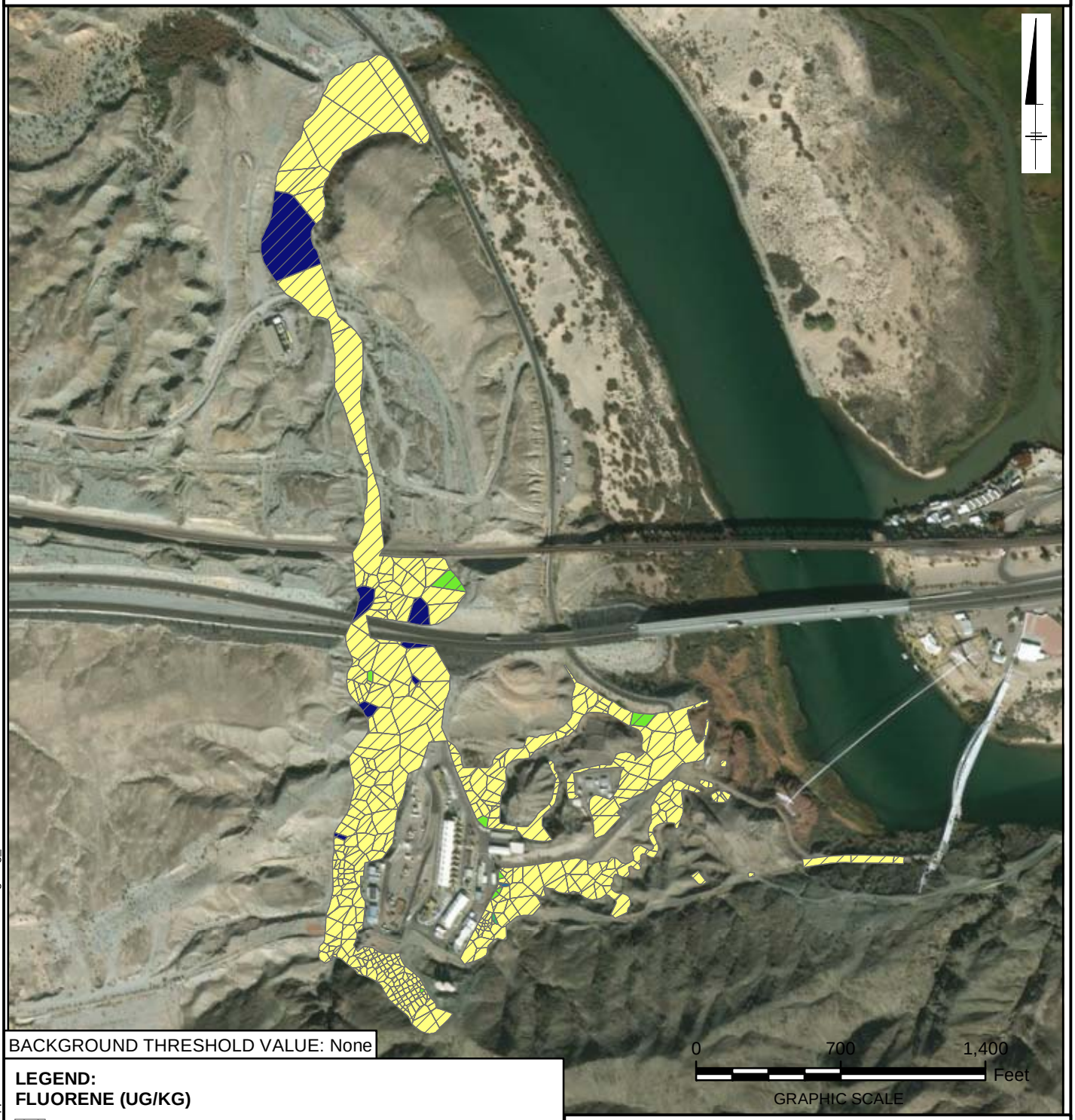
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.83

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.07
- ≥6.07 - 19.90
- ≥19.90 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

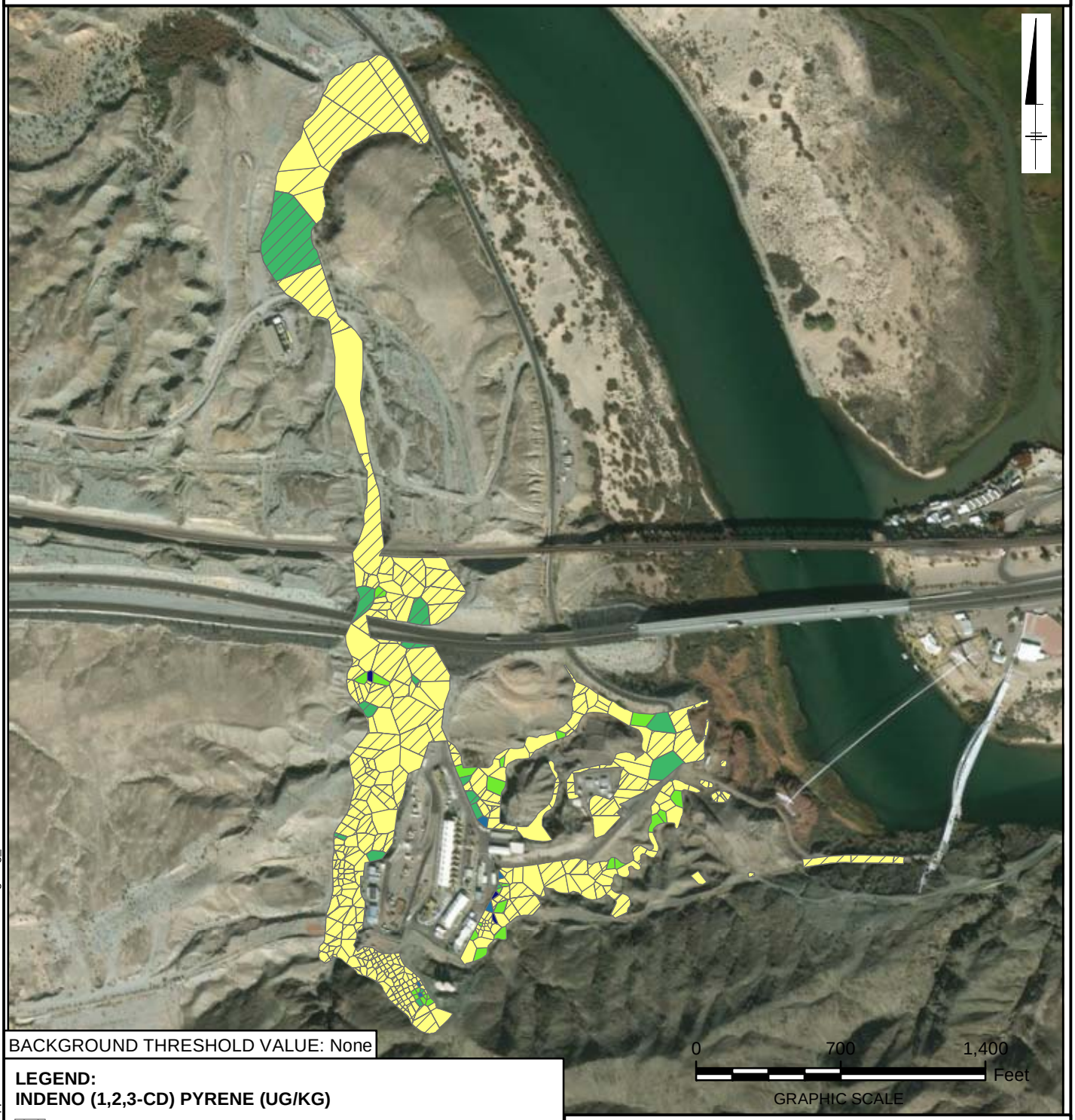
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.84

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 33.30
- ≥33.30 - 115.00
- ≥115.00 - 276.00
- ≥276.00 - 561.00
- ≥561.00 - 1270.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

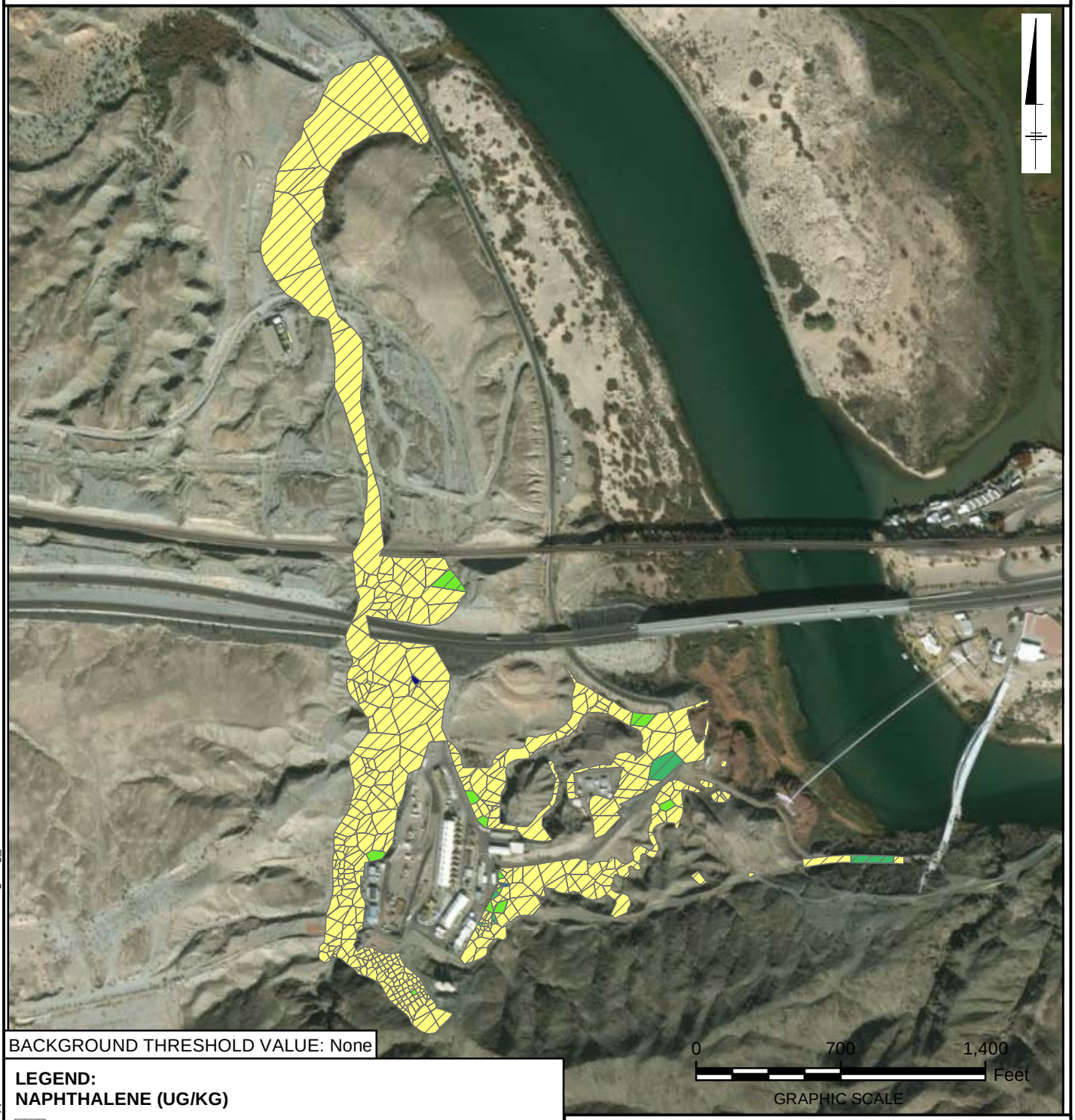
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.85

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.33 - 5.30
- ≥5.30 - 12.90
- ≥12.90 - 42.50
- ≥42.50 - 85.90
- ≥85.90 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

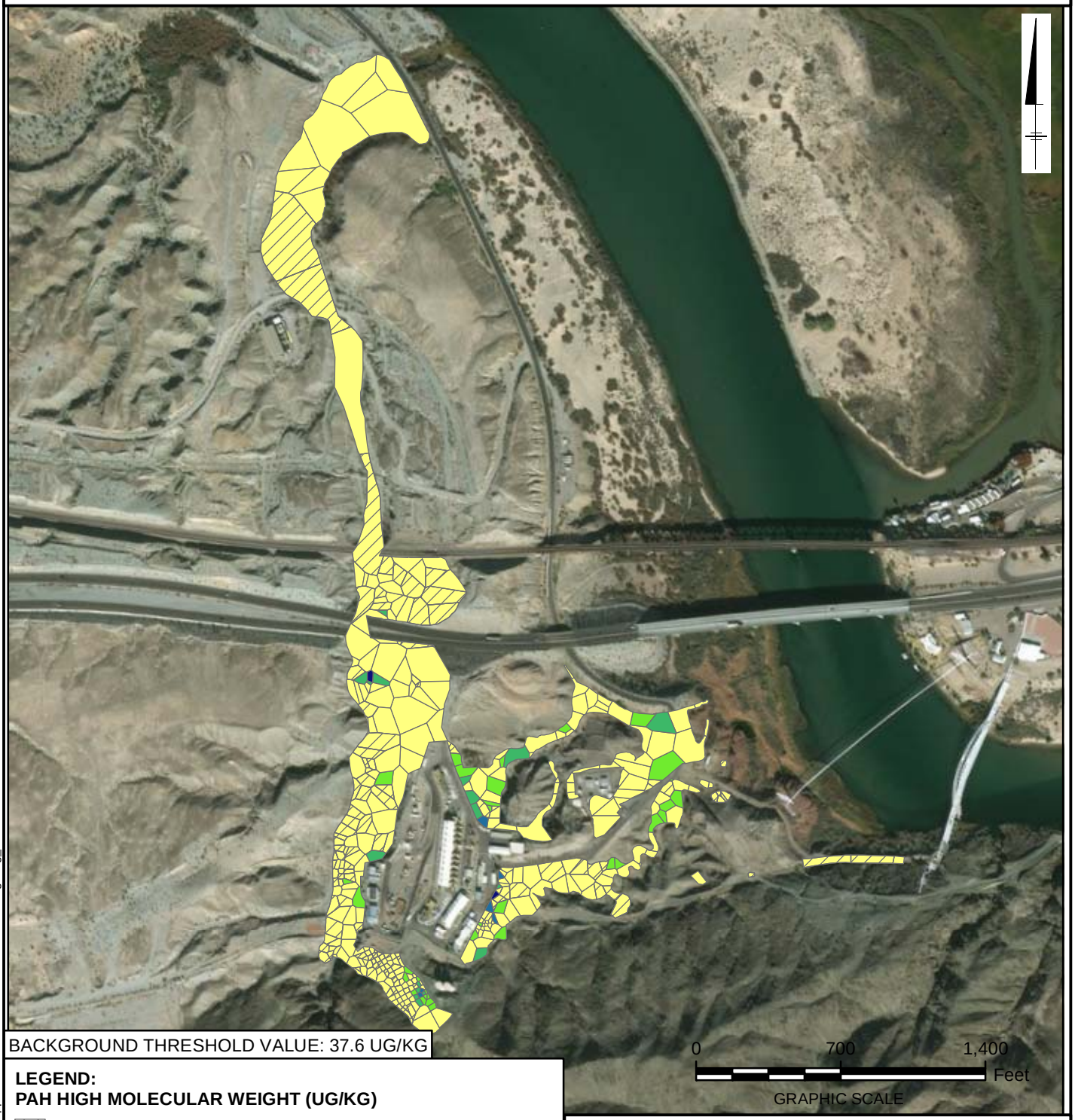
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.86

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 511.00
- ≥511.00 - 1990.00
- ≥1990.00 - 6590.00
- ≥6590.00 - 12100.00
- ≥12100.00 - 22900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

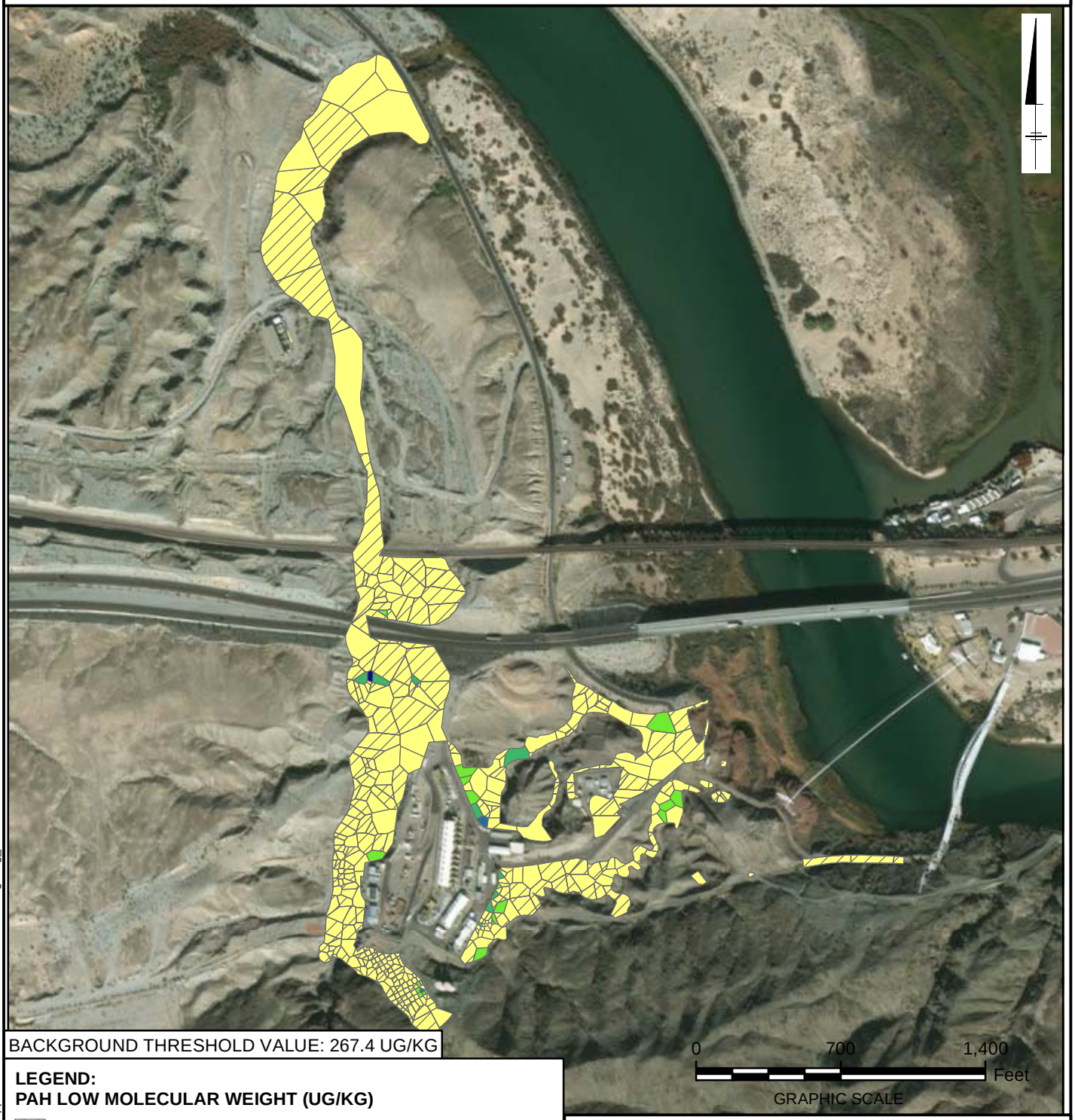
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.87

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 85.30
- ≥85.30 - 286.00
- ≥286.00 - 584.00
- ≥584.00 - 1340.00
- ≥1340.00 - 2600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

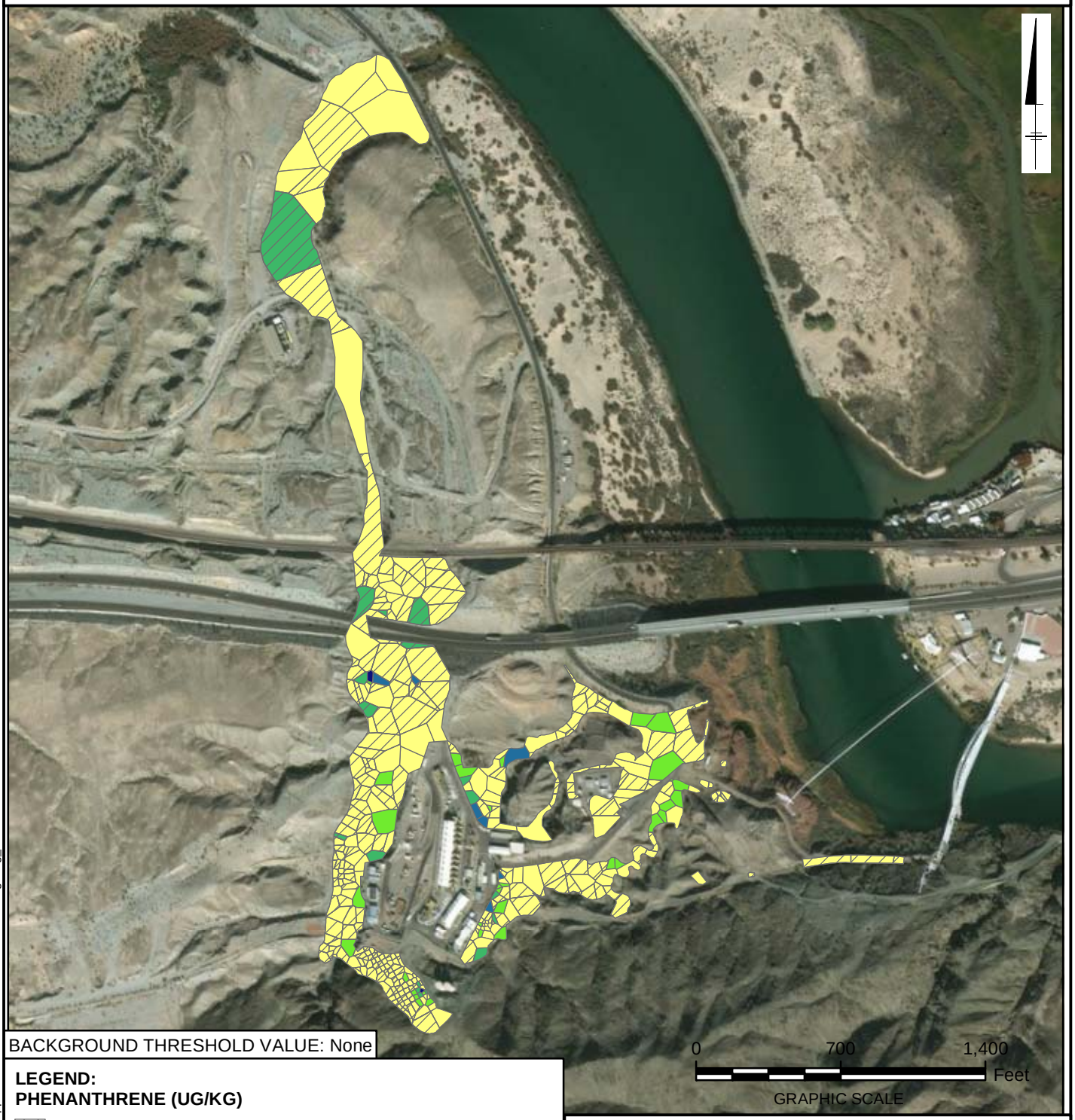
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.88

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 32.70
- ≥32.70 - 123.00
- ≥123.00 - 335.00
- ≥335.00 - 868.00
- ≥868.00 - 2080.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

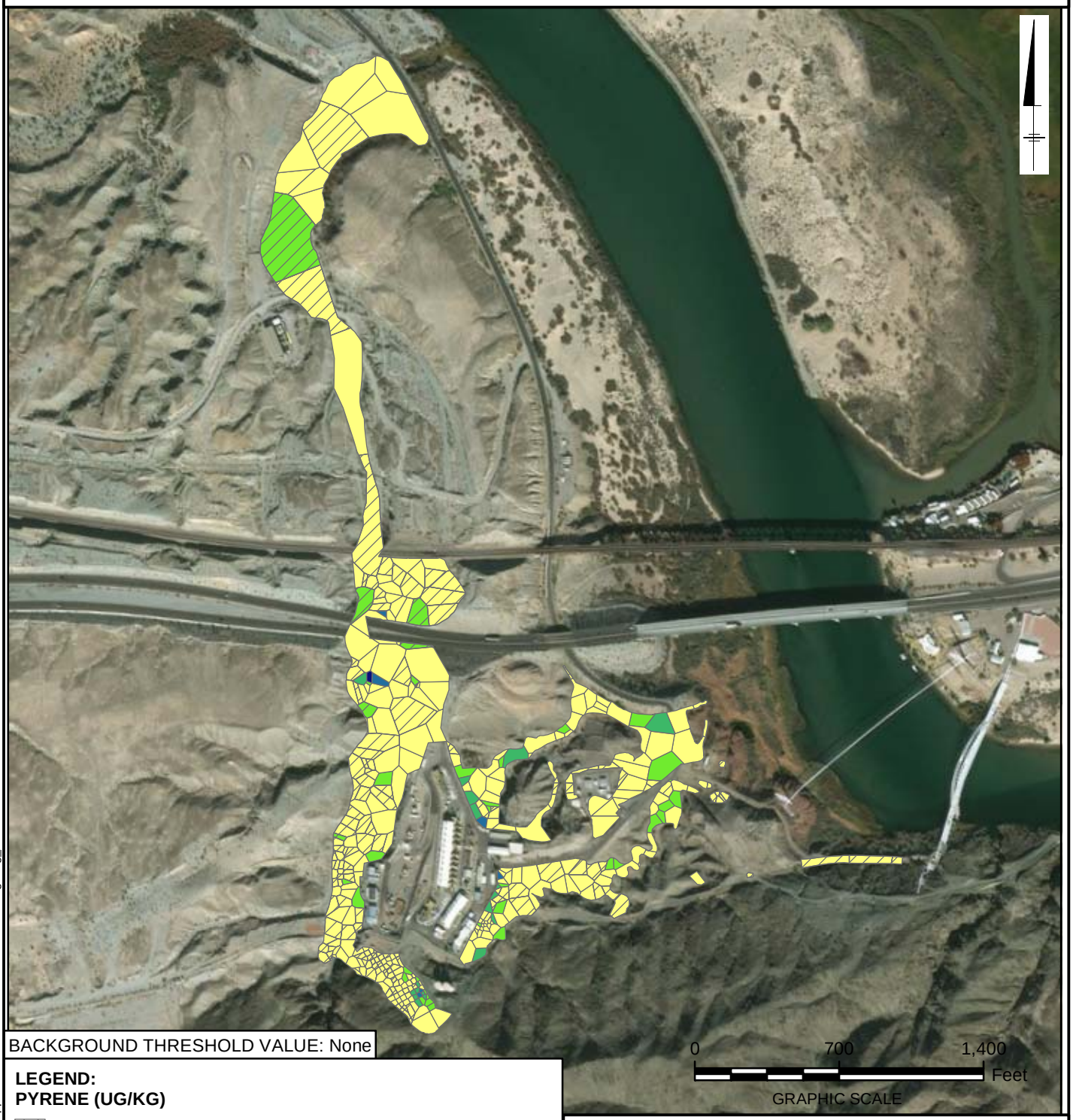
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.89

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 92.00
- ≥92.00 - 360.00
- ≥360.00 - 1100.00
- ≥1100.00 - 2270.00
- ≥2270.00 - 4600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

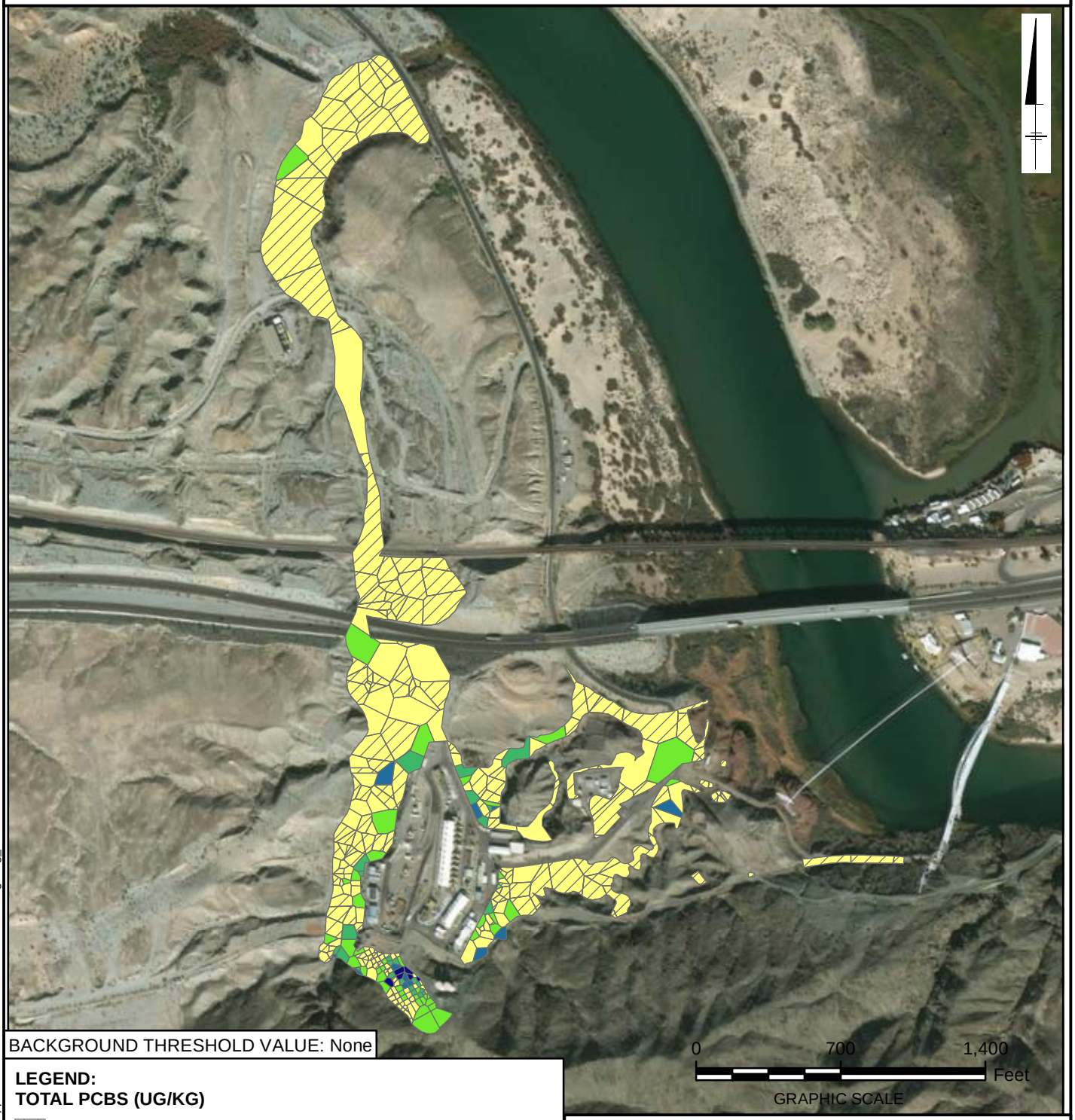
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.90

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 84.70
- ≥84.70 - 241.00
- ≥241.00 - 737.00
- ≥737.00 - 1960.00
- ≥1960.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

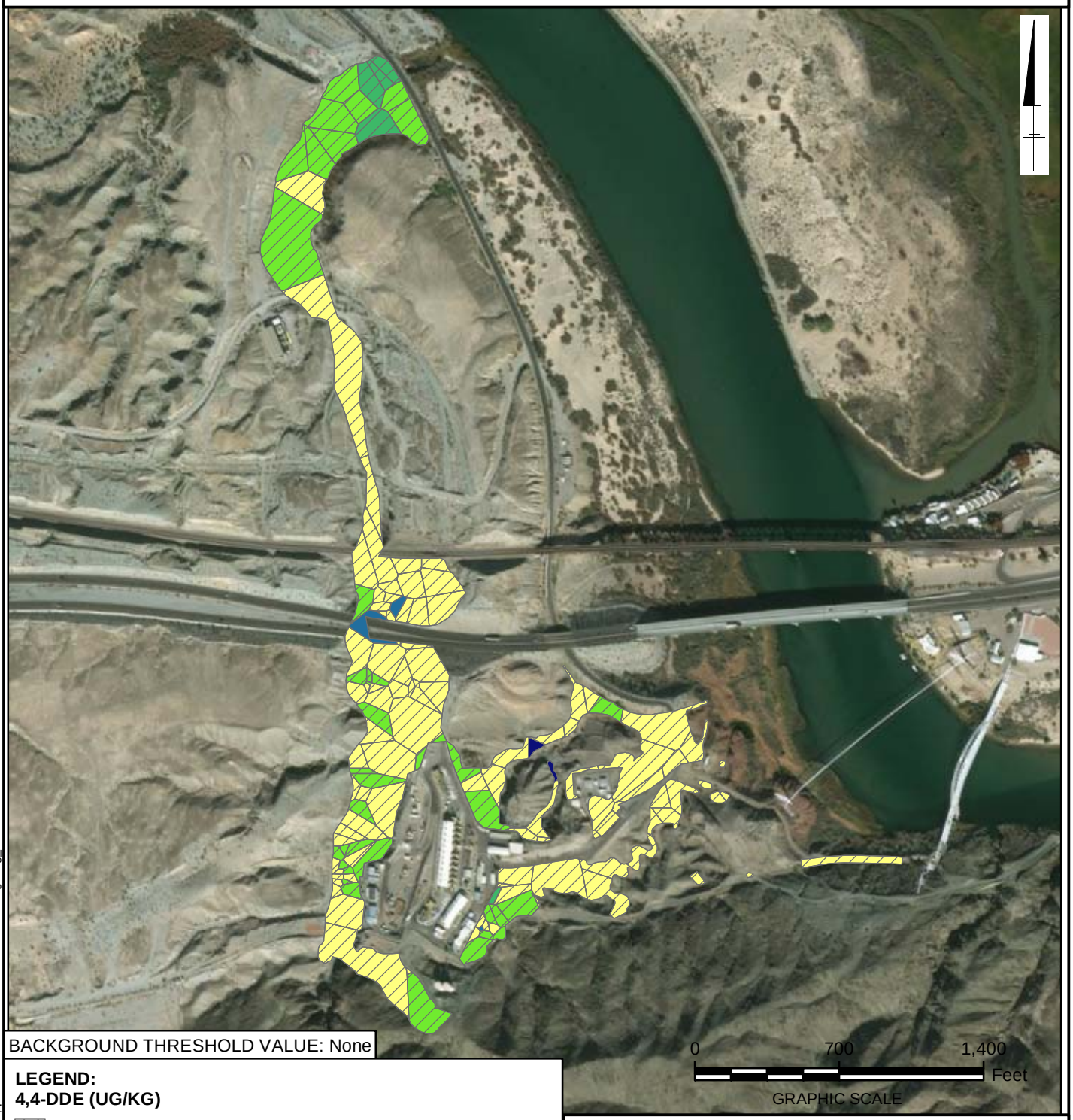
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.91

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
4,4-DDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
4,4-DDE (UG/KG)

- NOT DETECTED
- 1.00 - 1.03
- ≥1.03 - 1.20
- ≥1.20 - 1.67
- ≥1.67 - 4.40
- ≥4.40 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

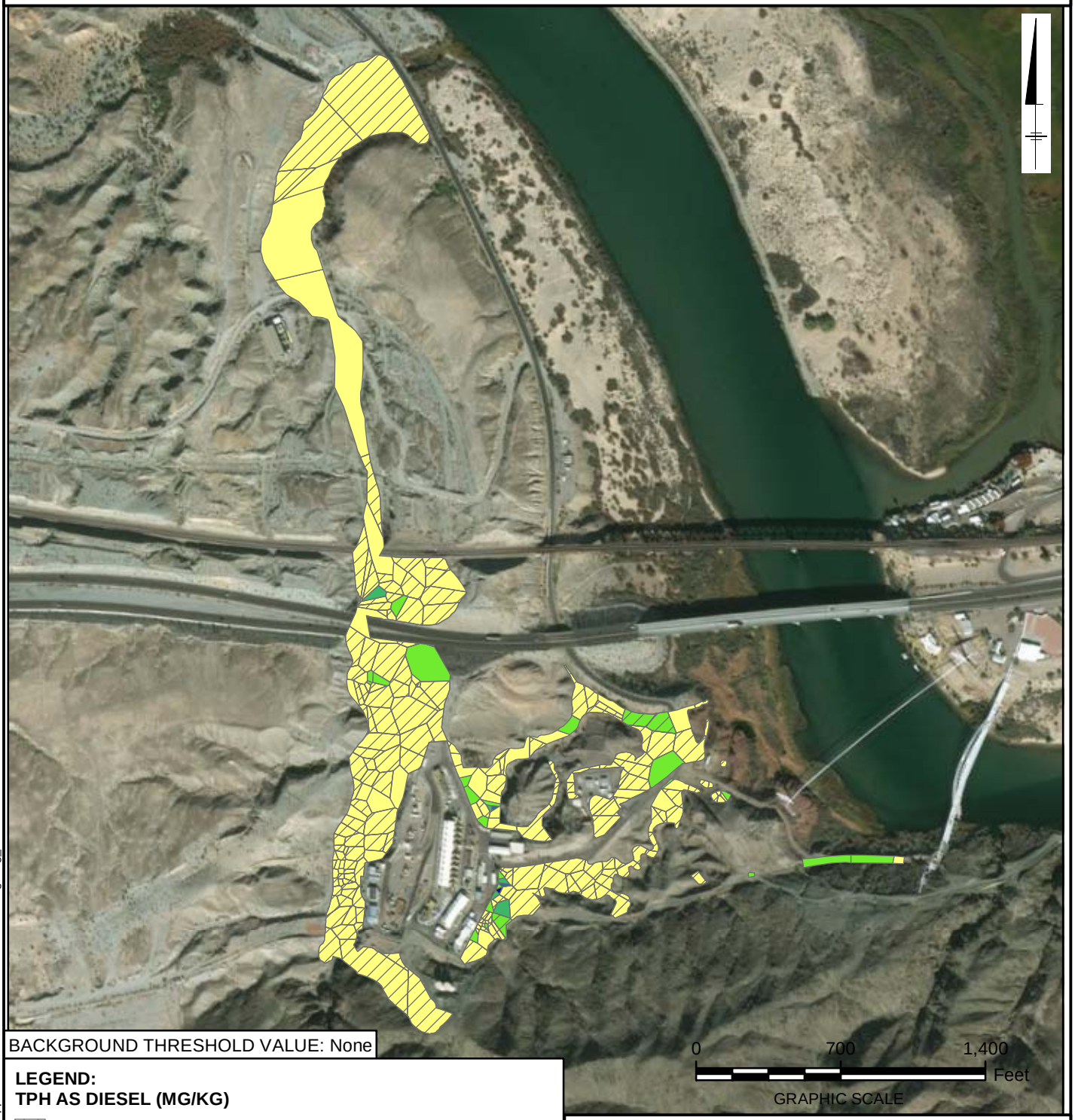
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.92

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 23.60
- ≥23.60 - 107.00
- ≥107.00 - 233.00
- ≥233.00 - 1260.00
- ≥1260.00 - 2670.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

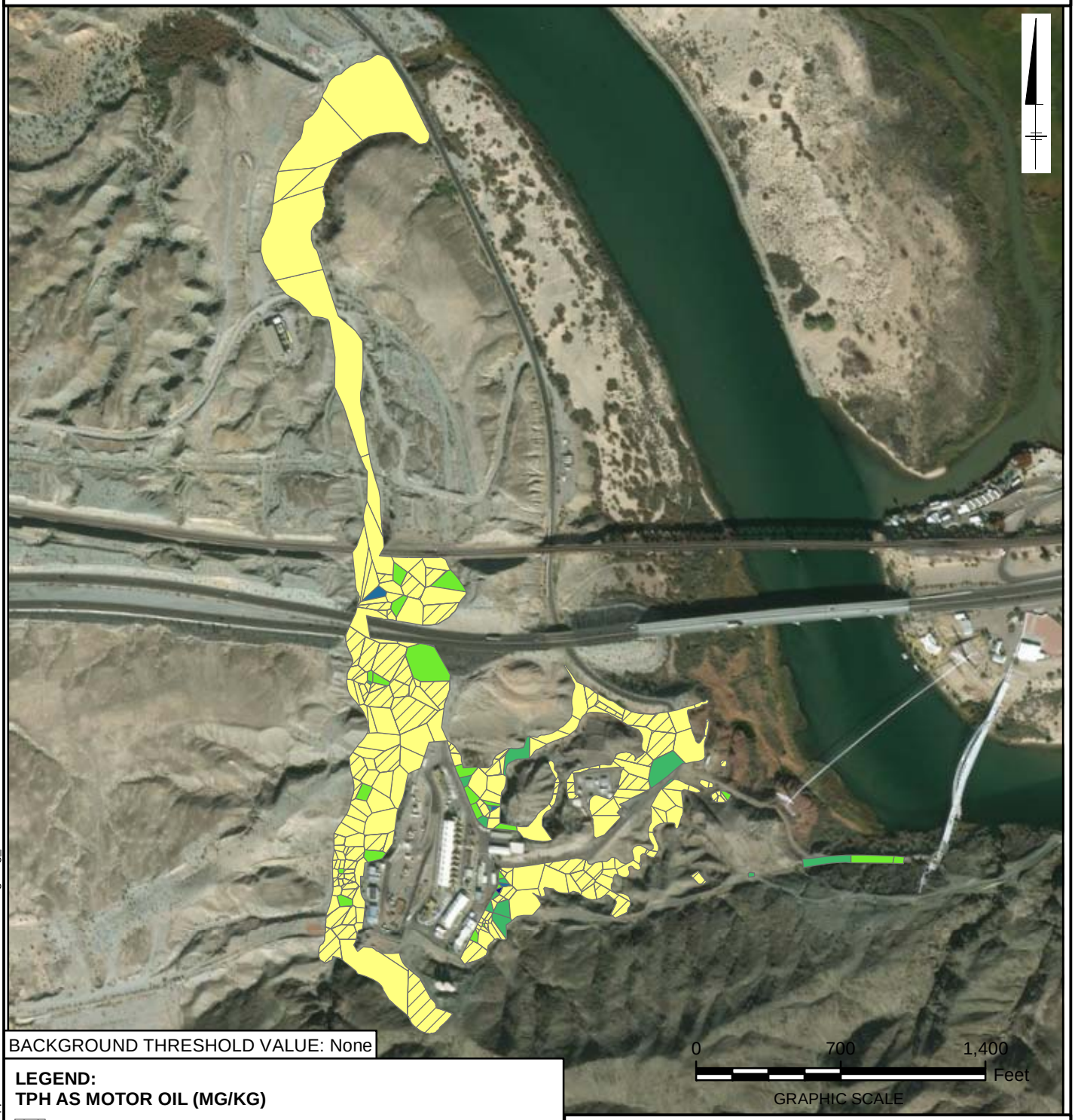
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.93

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 3 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 87.00
- ≥87.00 - 271.00
- ≥271.00 - 580.00
- ≥580.00 - 2830.00
- ≥2830.00 - 5940.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

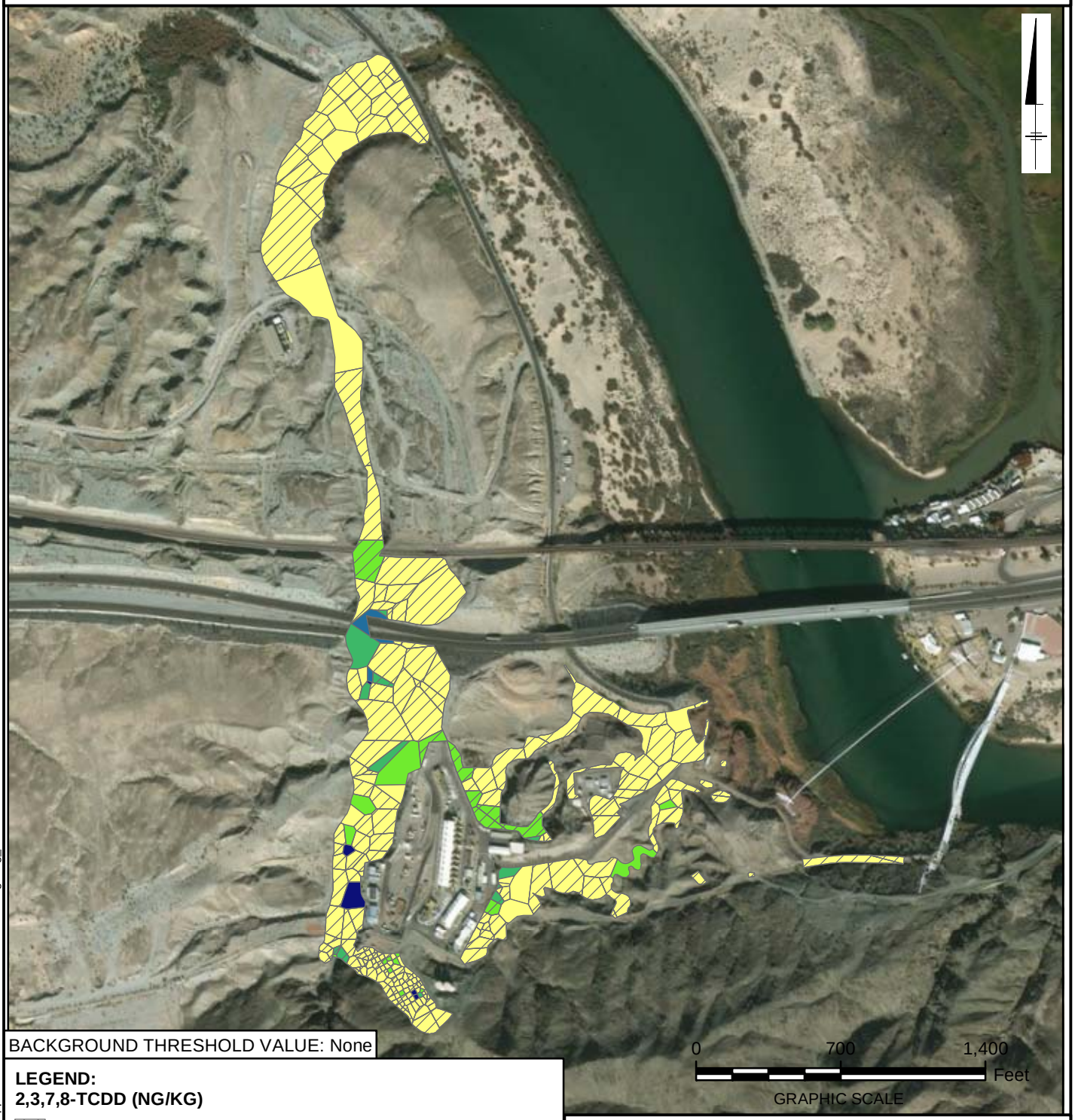
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.94

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.68
- ≥0.68 - 2.16
- ≥2.16 - 5.00
- ≥5.00 - 9.26
- ≥9.26 - 22.40

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

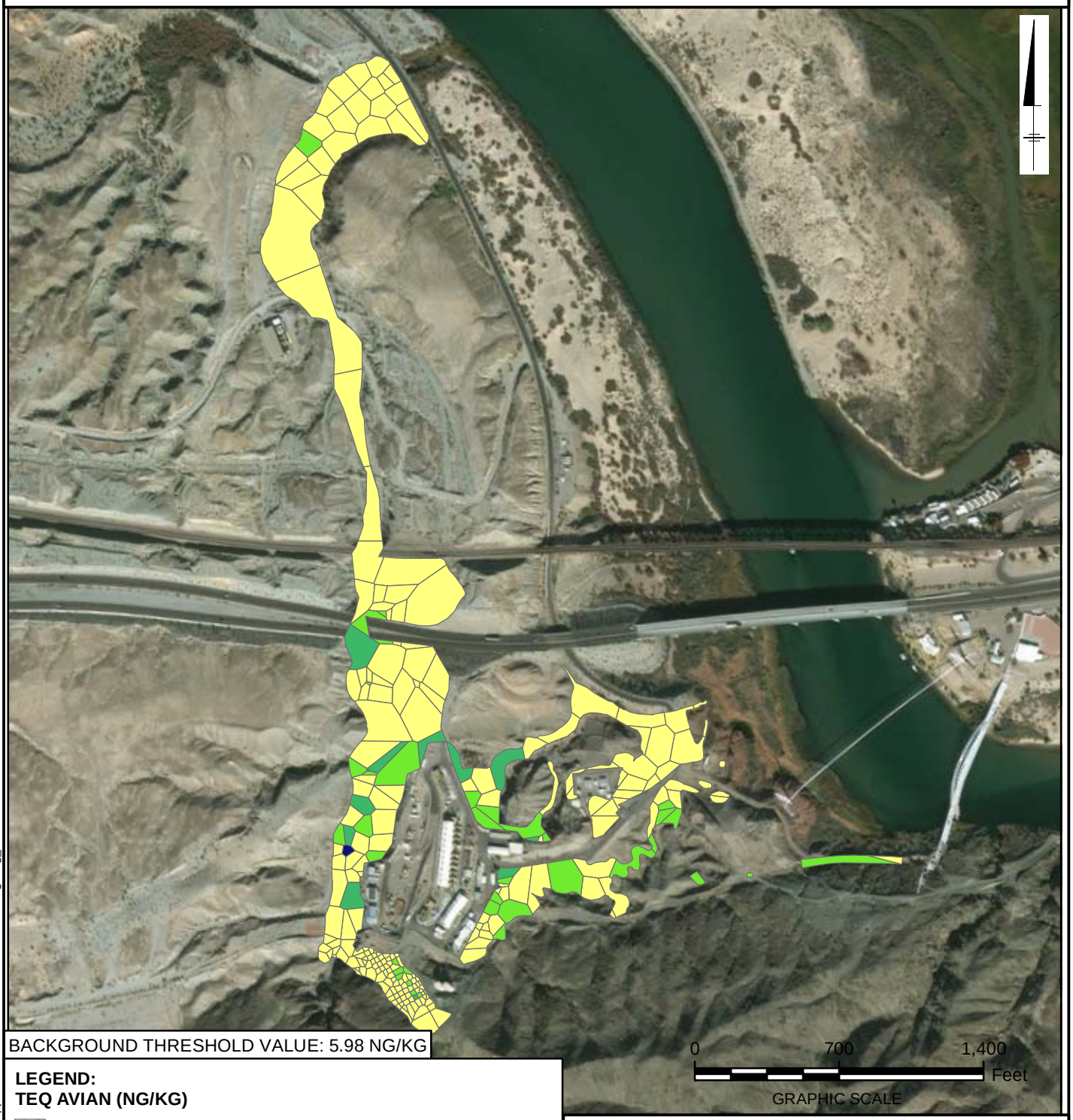
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.95

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 57.00
- ≥57.00 - 170.00
- ≥170.00 - 650.00
- ≥650.00 - 1100.00
- ≥1100.00 - 3670.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

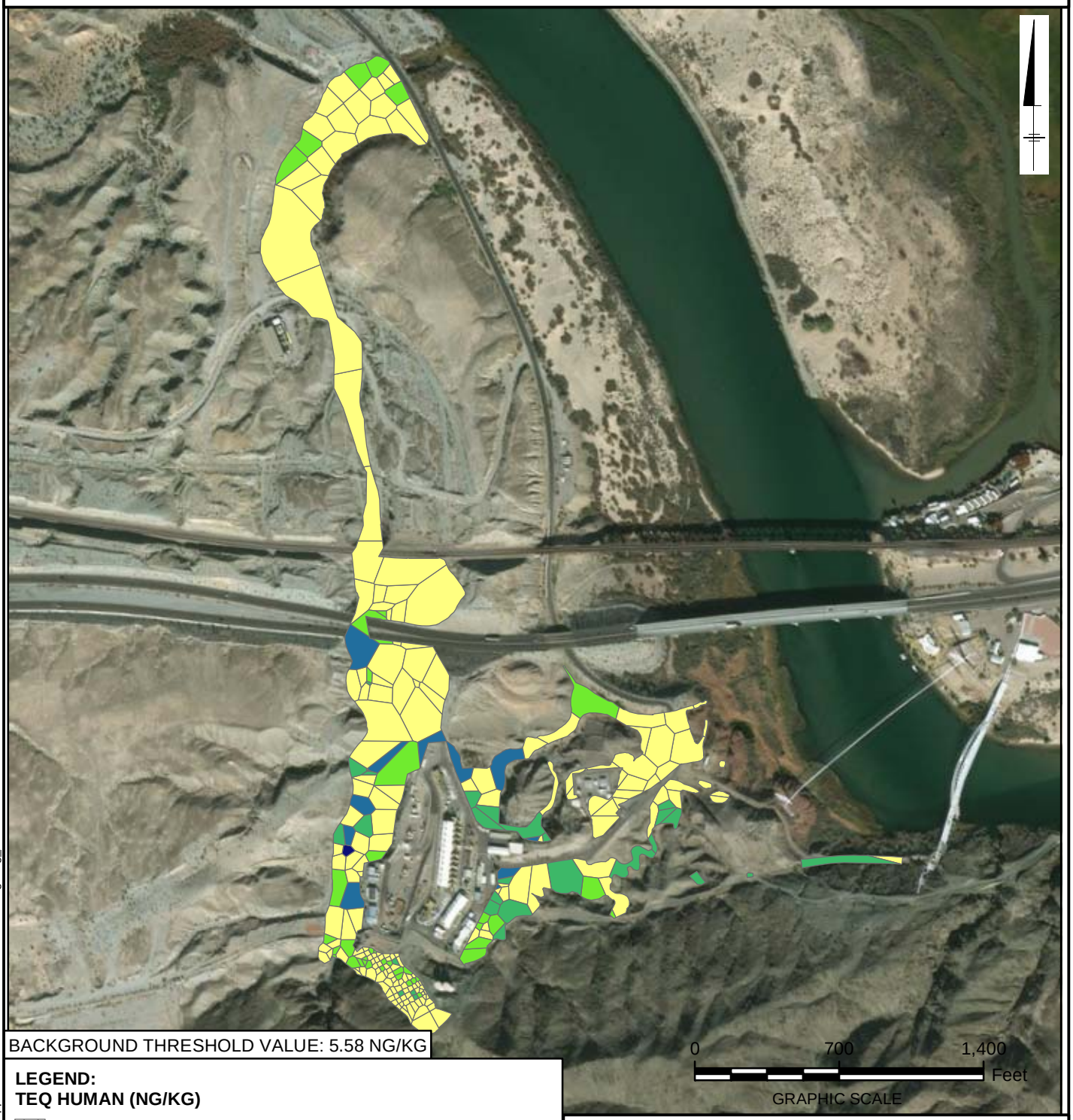
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.96

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 32.60
- ≥32.60 - 112.00
- ≥112.00 - 280.00
- ≥280.00 - 1600.00
- ≥1600.00 - 4010.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

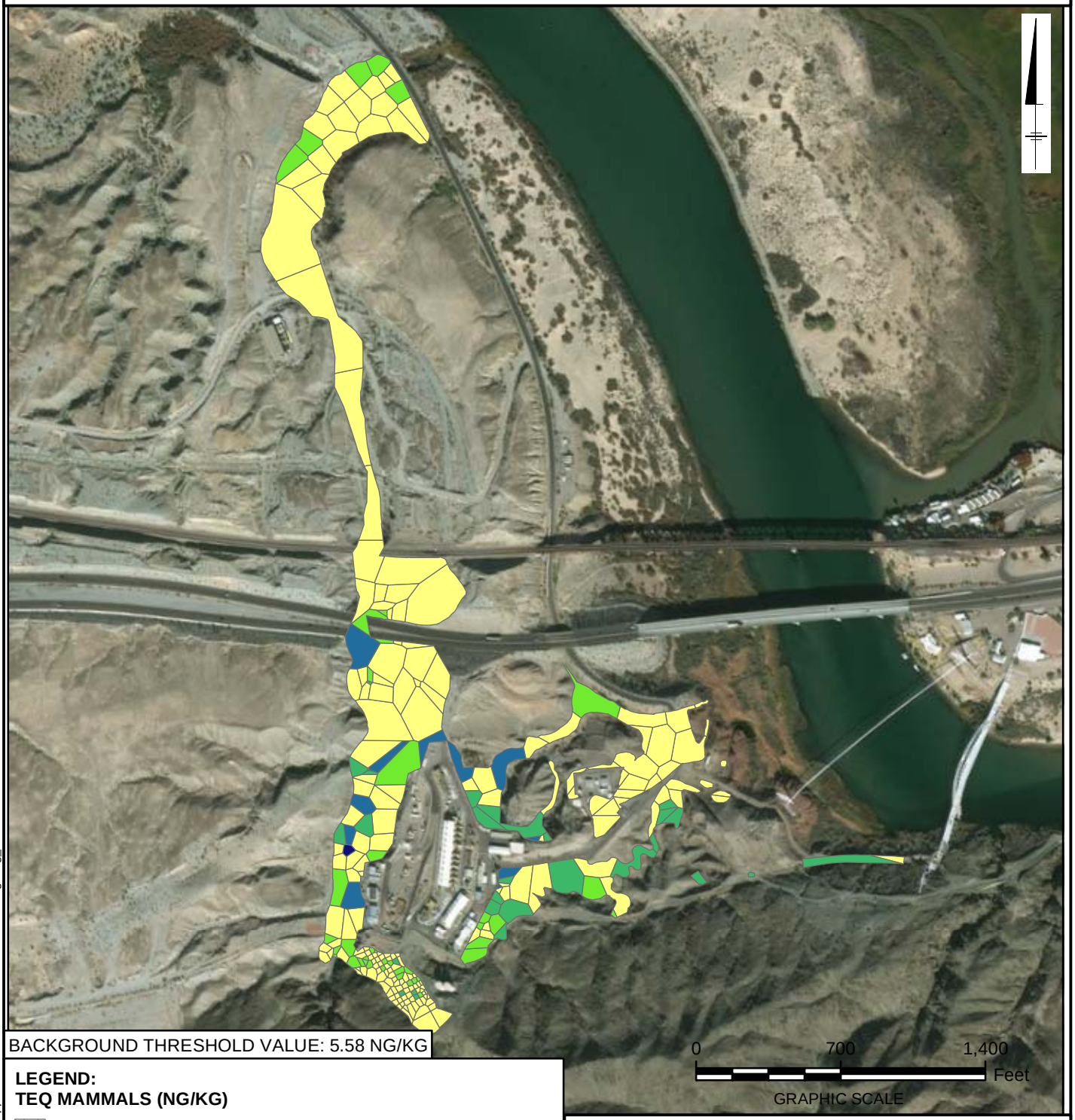
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.97

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 32.60
- ≥32.60 - 112.00
- ≥112.00 - 280.00
- ≥280.00 - 1600.00
- ≥1600.00 - 4010.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

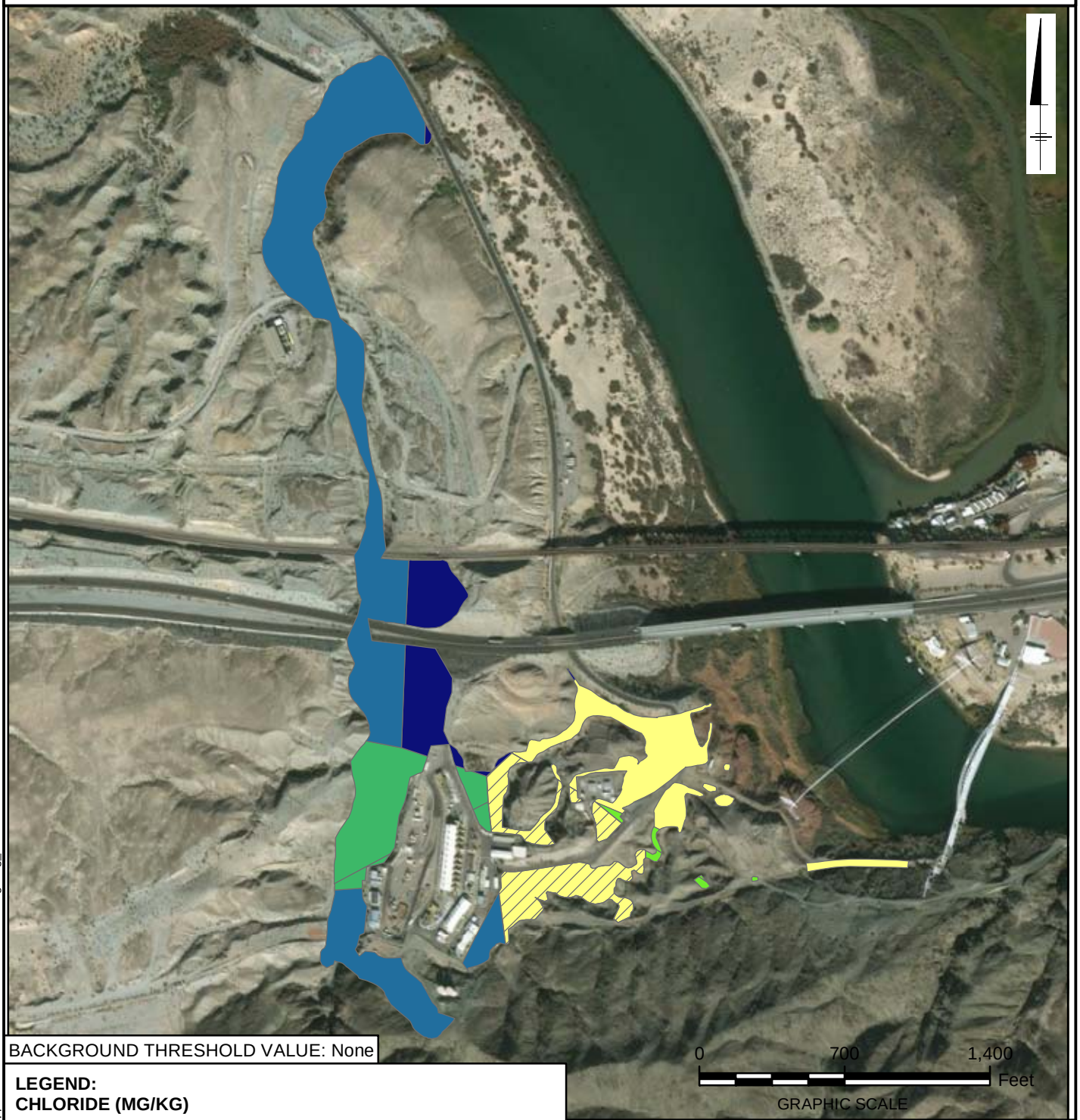
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.98

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
CHLORIDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHLORIDE (MG/KG)

- NOT DETECTED
- 2.00 - 3.70
- ≥3.70 - 7.00
- ≥7.00 - 46.00
- ≥46.00 - 227.00
- ≥227.00 - 3010.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

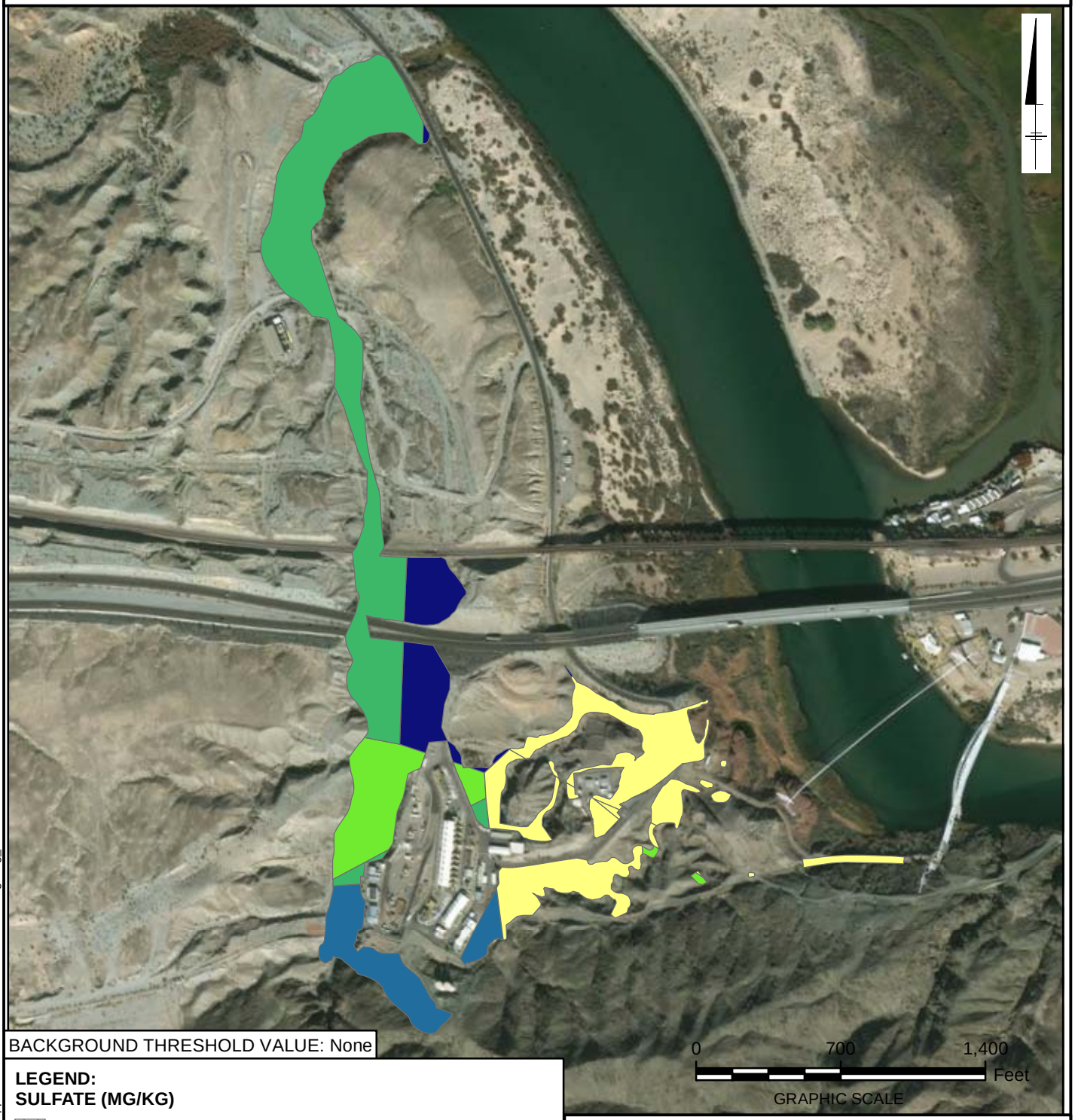
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.99

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
SULFATE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
SULFATE (MG/KG)

- NOT DETECTED
- 7.30 - 15.70
- ≥15.70 - 53.00
- ≥53.00 - 585.00
- ≥585.00 - 1010.00
- ≥1010.00 - 1630.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

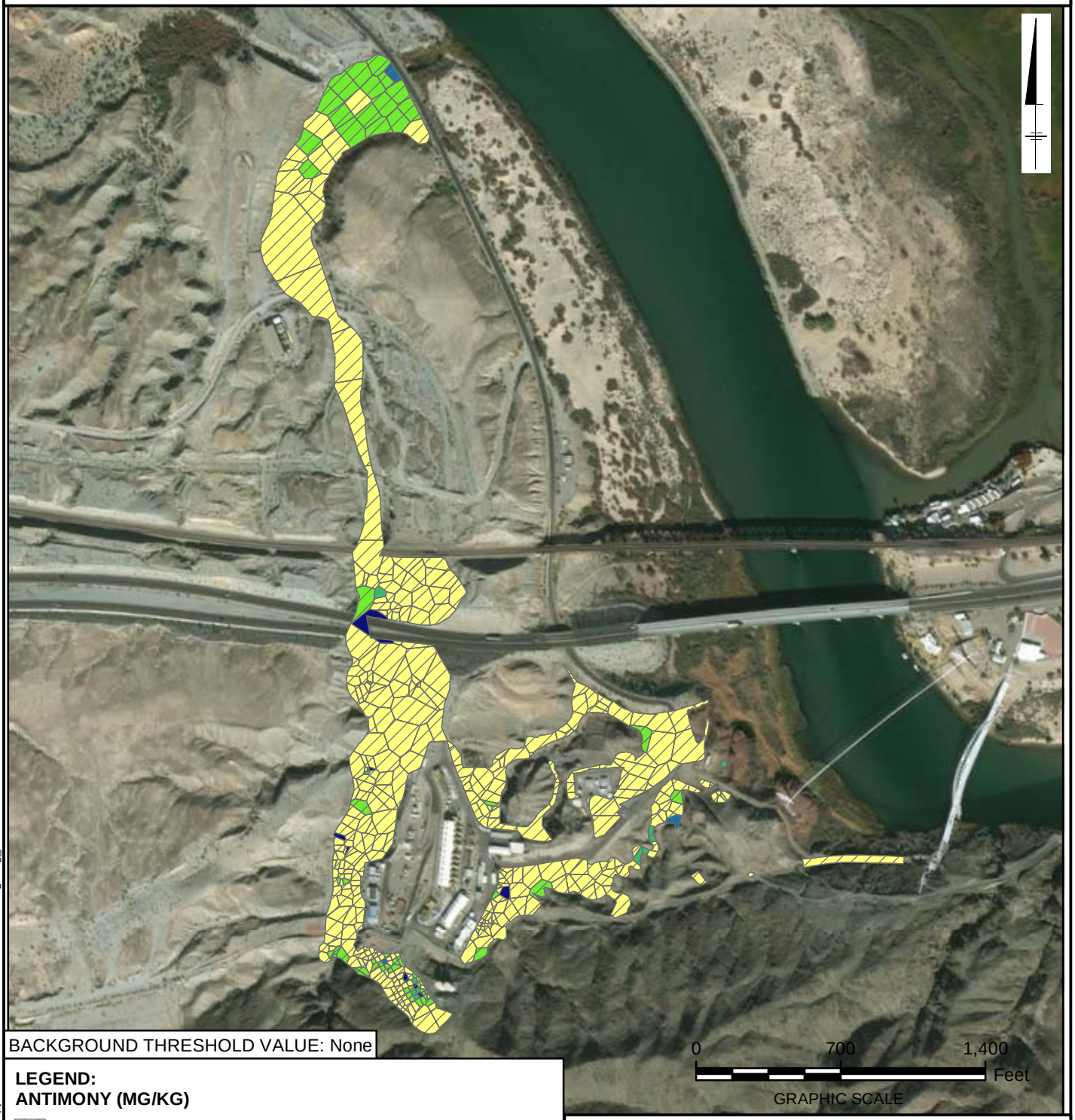
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.100

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 0.20 - 1.07
- ≥1.07 - 1.37
- ≥1.37 - 2.50
- ≥2.50 - 3.50
- ≥3.50 - 10.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

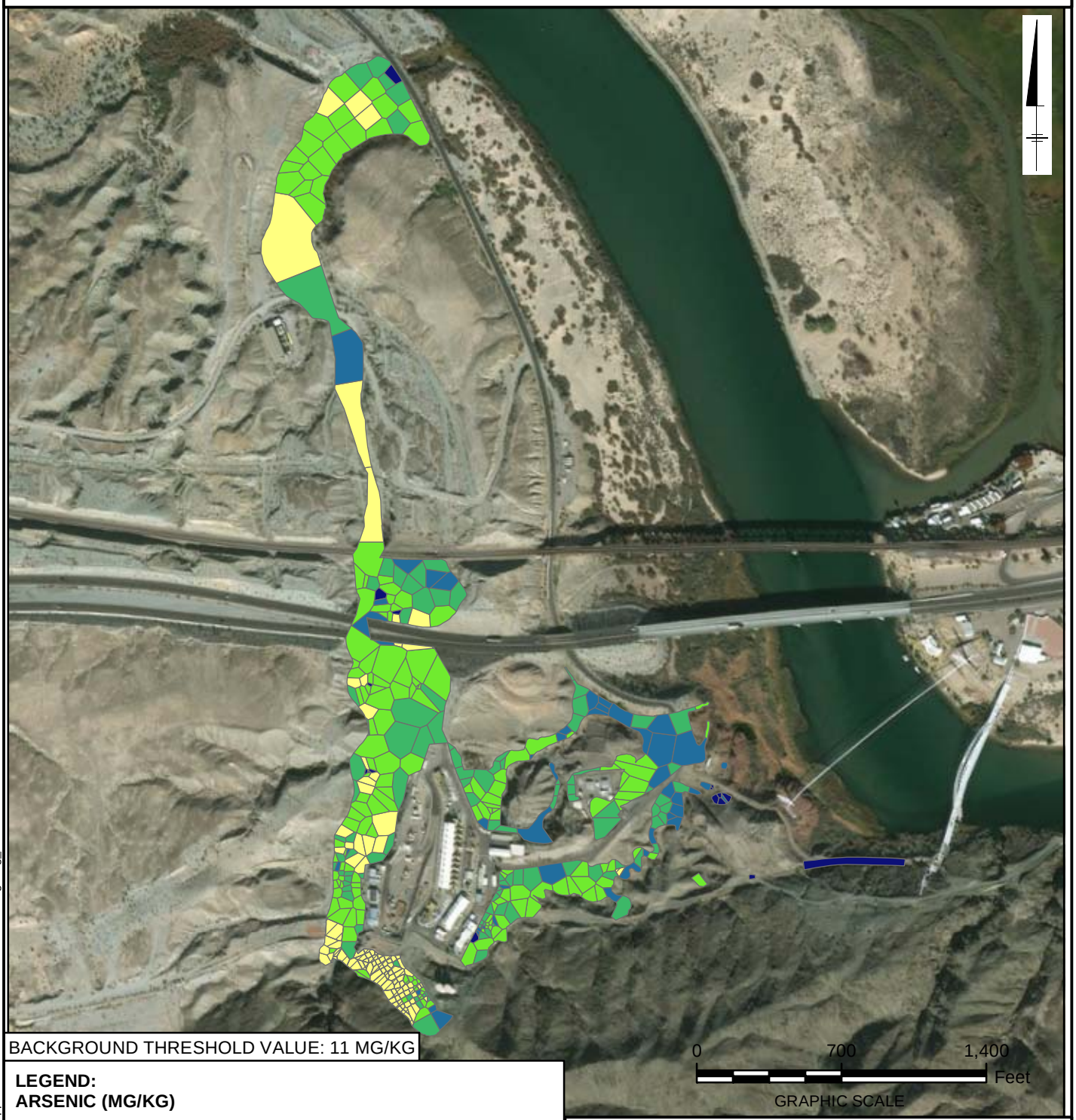
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.101

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.93
- ≥1.93 - 3.90
- ≥3.90 - 5.97
- ≥5.97 - 9.77
- ≥9.77 - 19.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

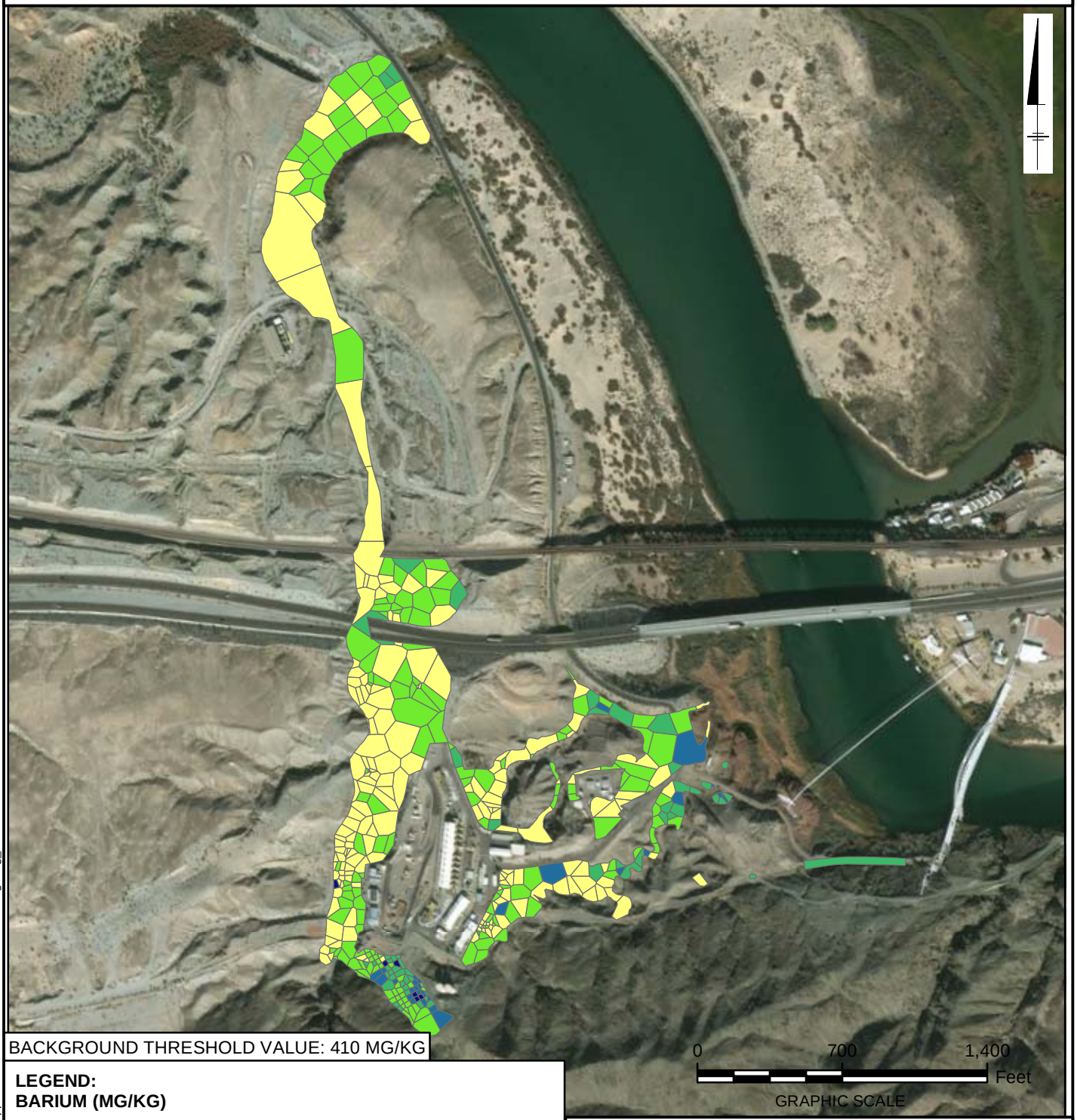
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.102

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 32.00 - 127.00
- ≥127.00 - 203.00
- ≥203.00 - 330.00
- ≥330.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

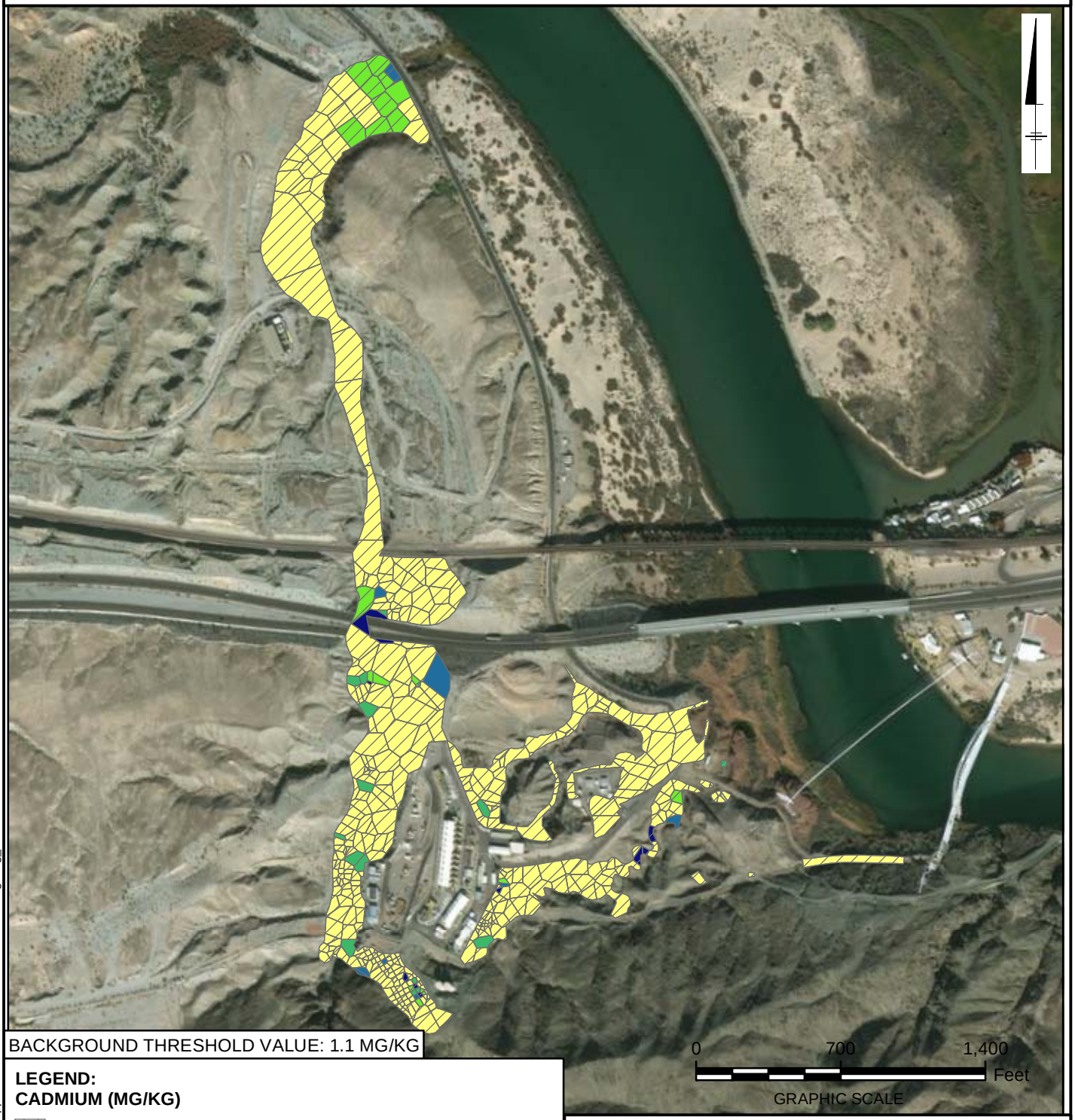
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.103

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.30 - 0.57
- ≥0.57 - 0.83
- ≥0.83 - 1.30
- ≥1.30 - 2.36
- ≥2.36 - 4.90

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

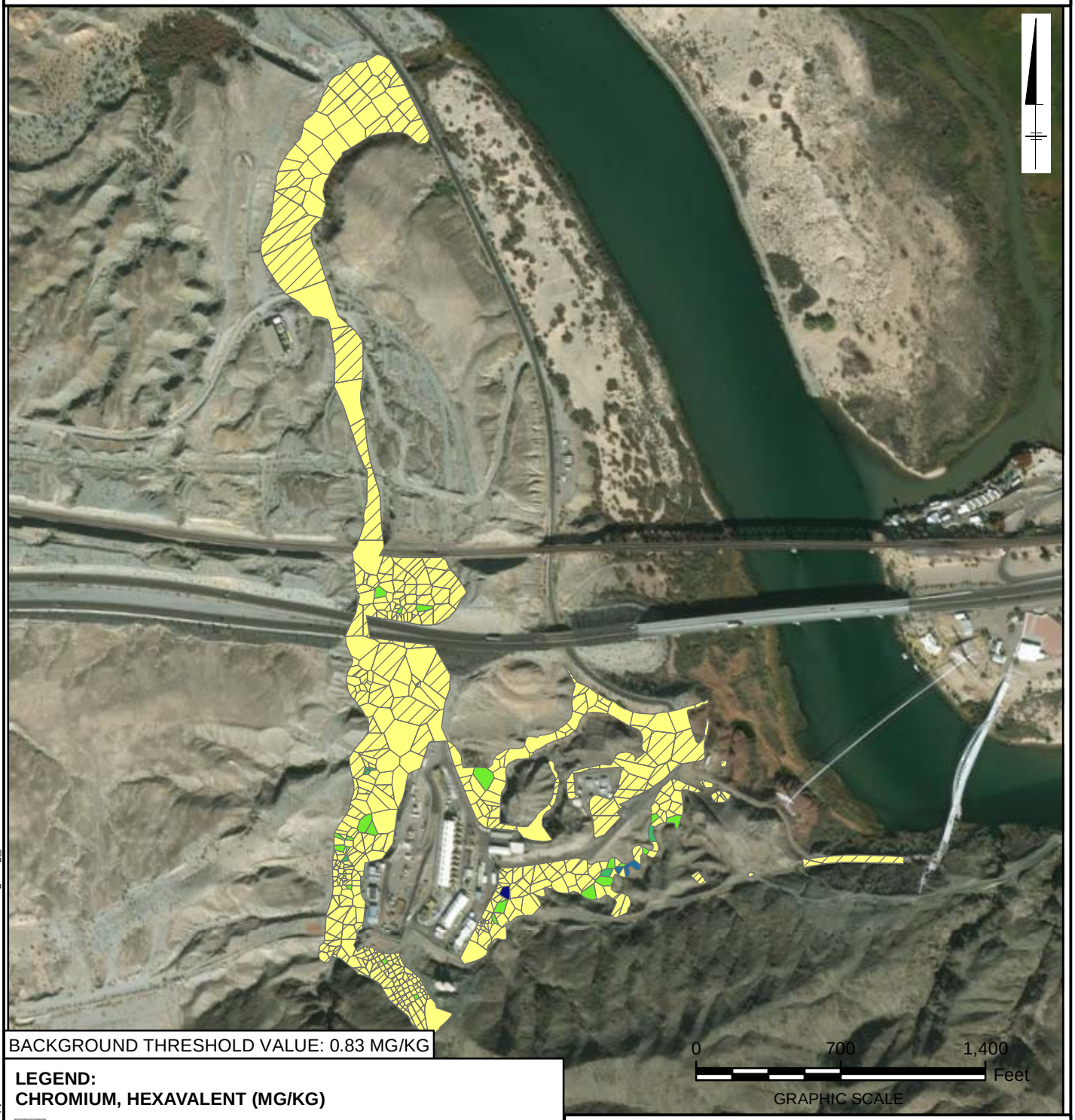
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.104

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.03 - 5.80
- ≥5.80 - 21.60
- ≥21.60 - 73.00
- ≥73.00 - 150.00
- ≥150.00 - 908.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
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REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

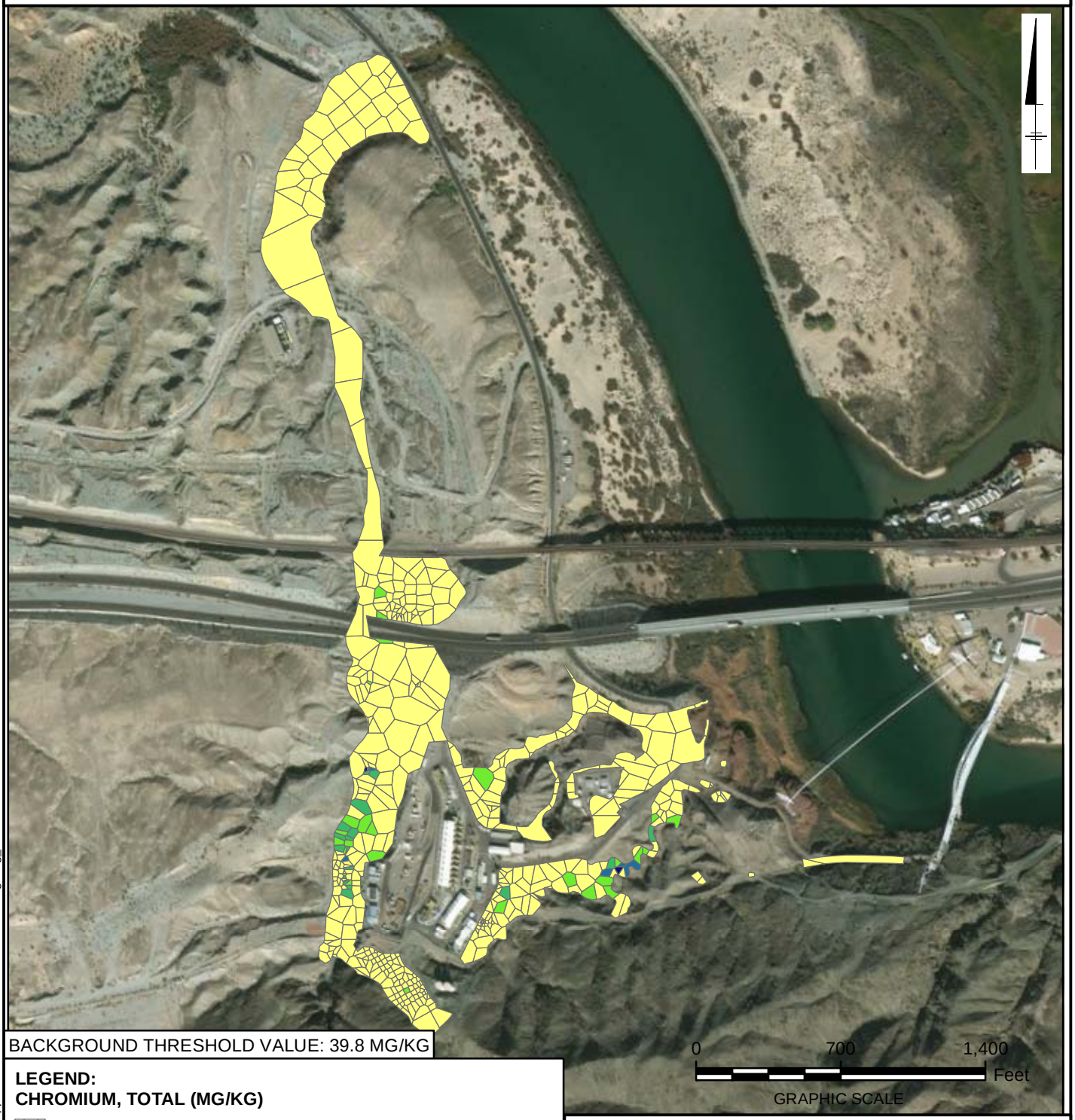
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.105

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 5.67 - 150.00
- ≥150.00 - 492.00
- ≥492.00 - 1470.00
- ≥1470.00 - 2840.00
- ≥2840.00 - 4400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

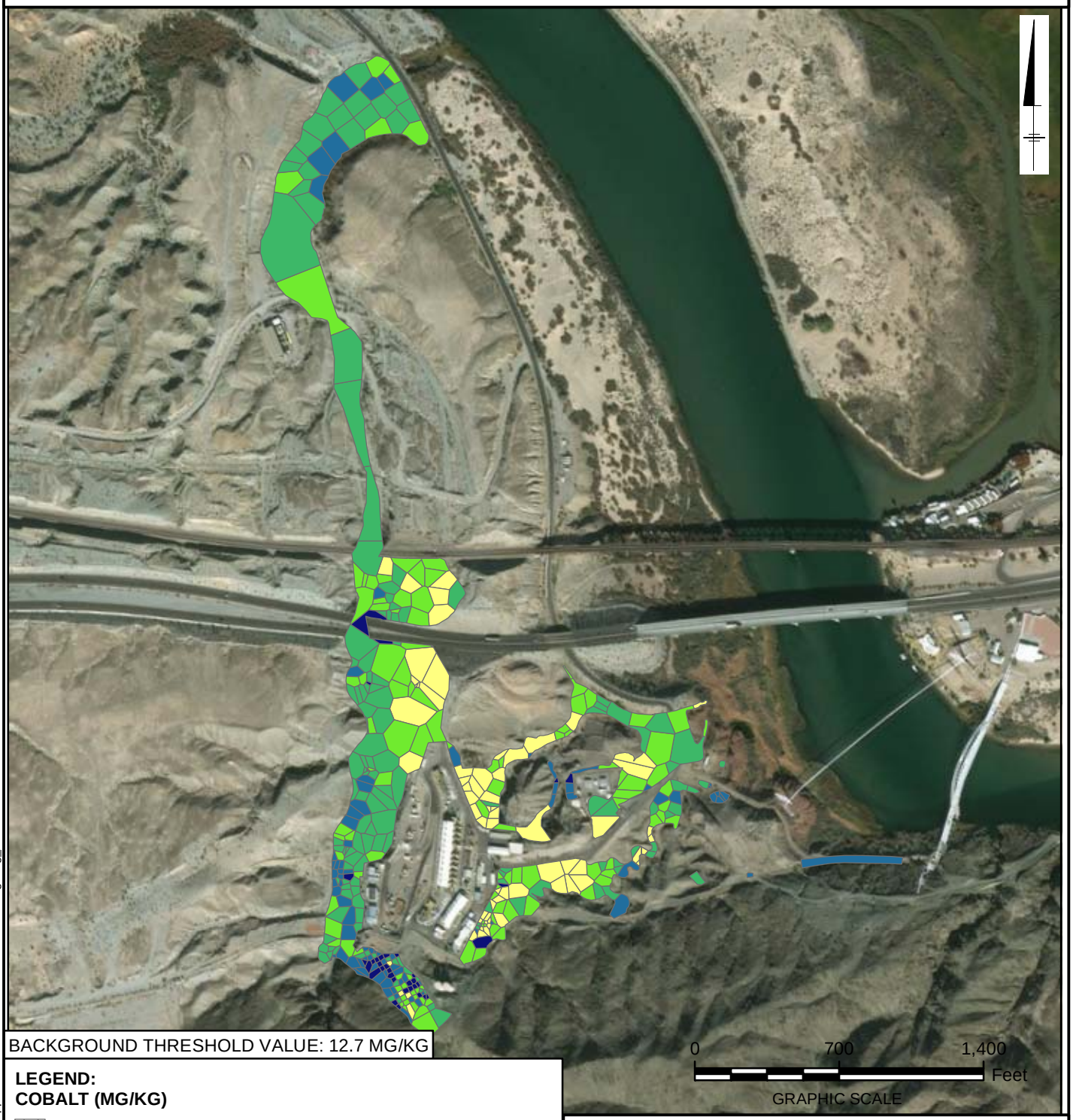
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.106

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 2.20 - 5.00
- ≥5.00 - 6.90
- ≥6.90 - 8.53
- ≥8.53 - 11.00
- ≥11.00 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

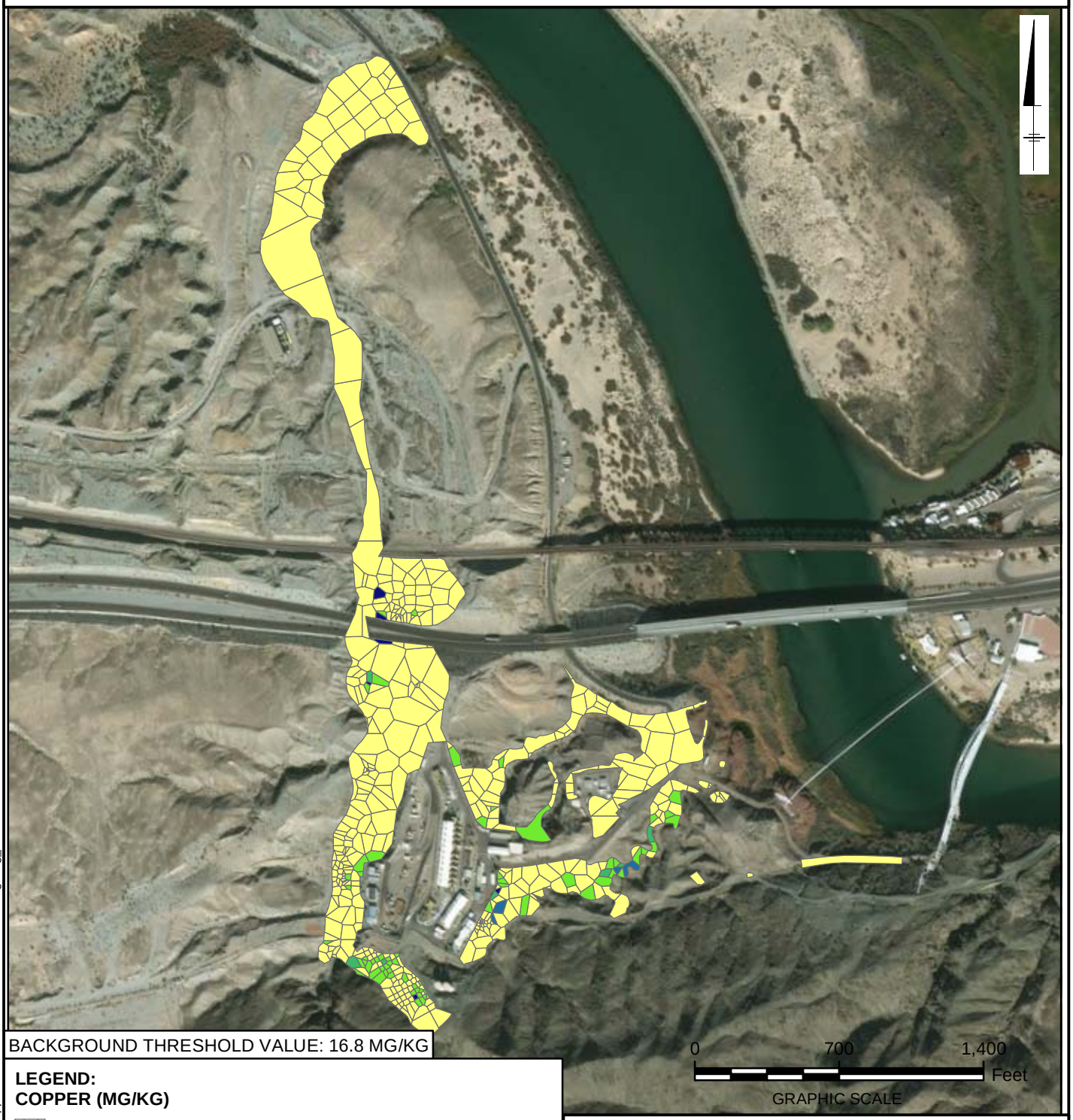
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.107

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 2.20 - 23.50
- ≥23.50 - 90.00
- ≥90.00 - 210.00
- ≥210.00 - 399.00
- ≥399.00 - 1040.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

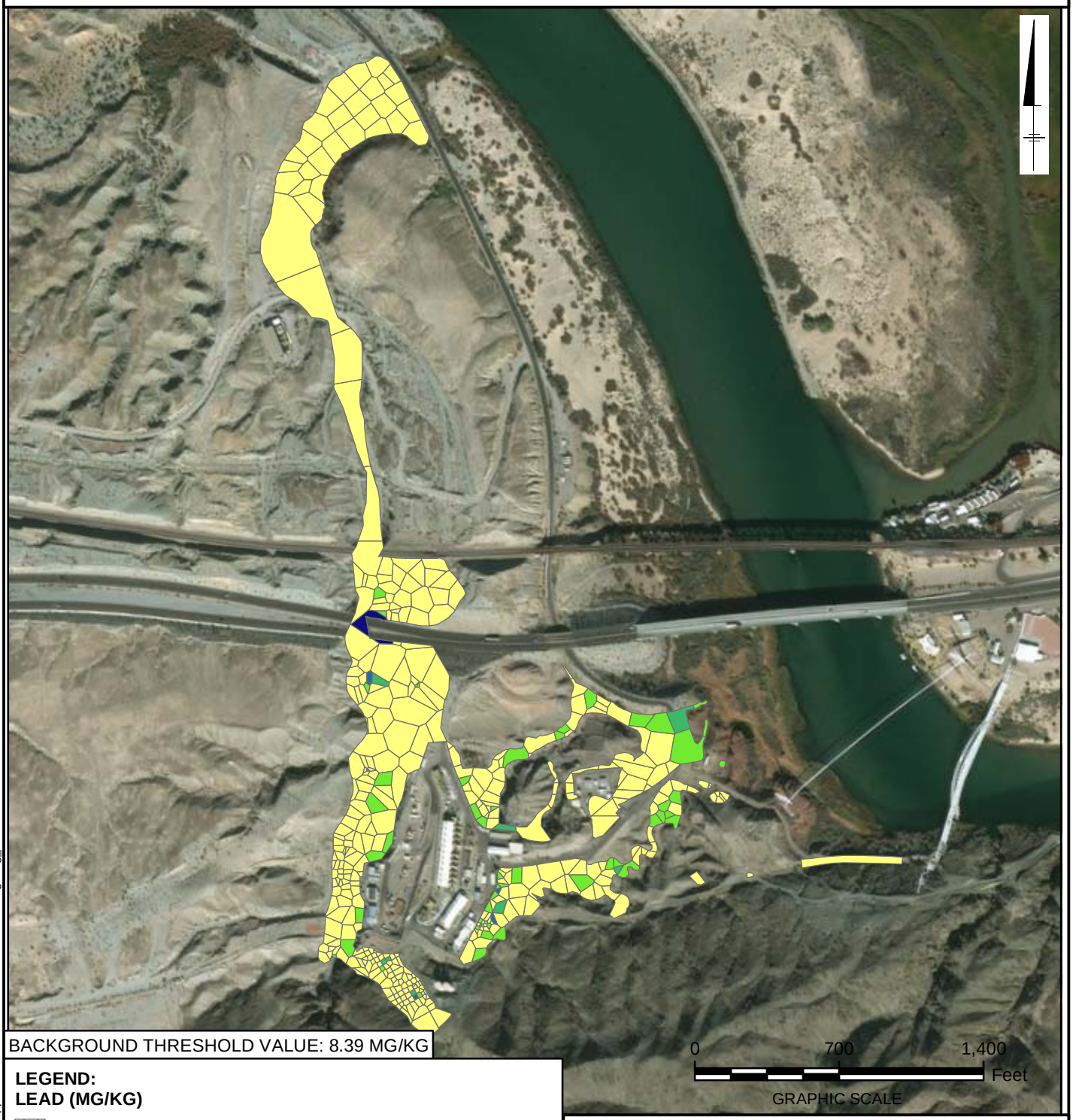
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.108

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.50 - 14.50
- ≥14.50 - 60.60
- ≥60.60 - 160.00
- ≥160.00 - 342.00
- ≥342.00 - 803.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

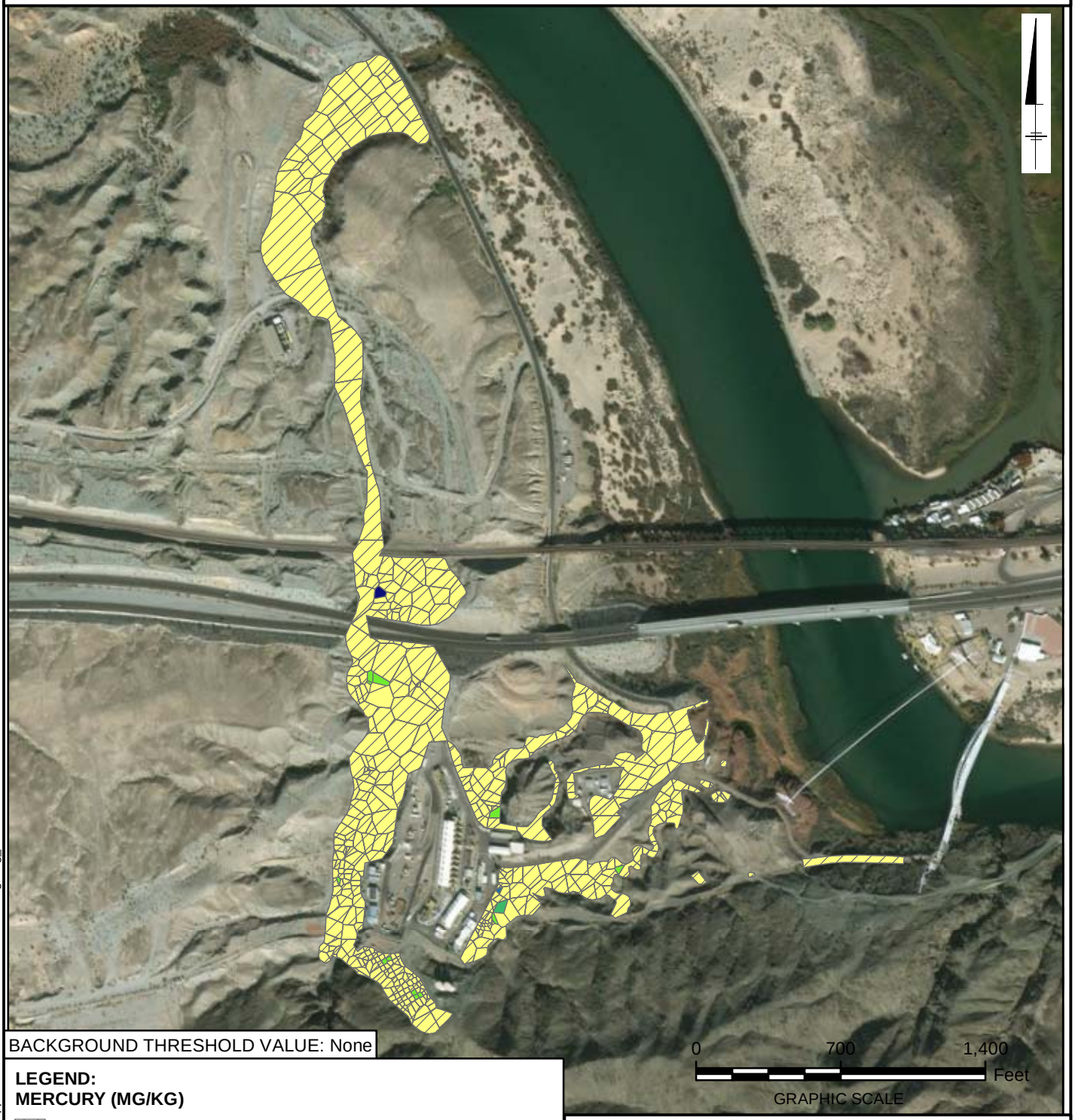
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.109

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.20
- ≥0.20 - 0.64
- ≥0.64 - 2.19
- ≥2.19 - 11.70
- ≥11.70 - 102.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

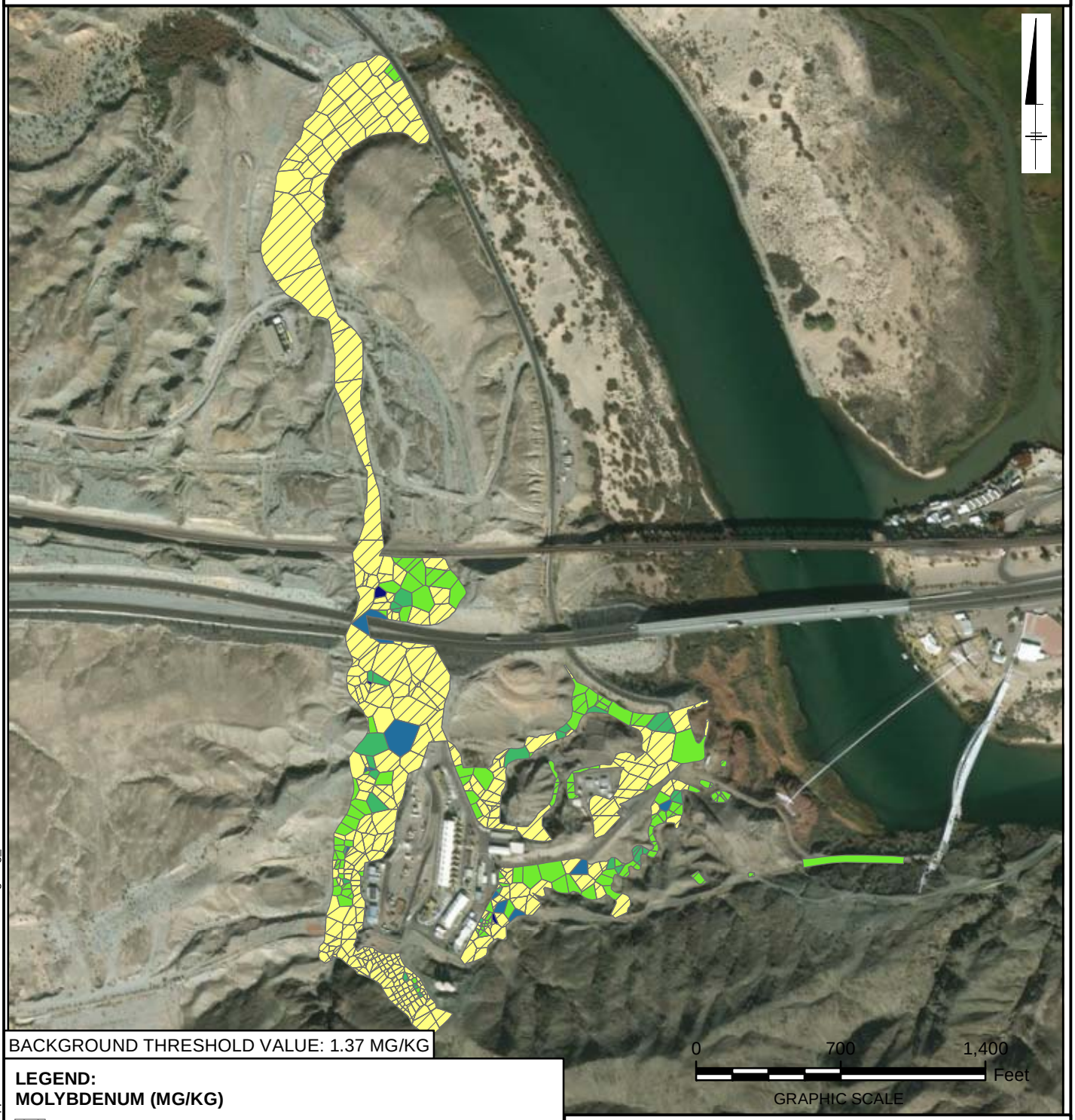
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.11.0

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.85
- ≥0.85 - 1.83
- ≥1.83 - 4.15
- ≥4.15 - 9.80
- ≥9.80 - 34.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

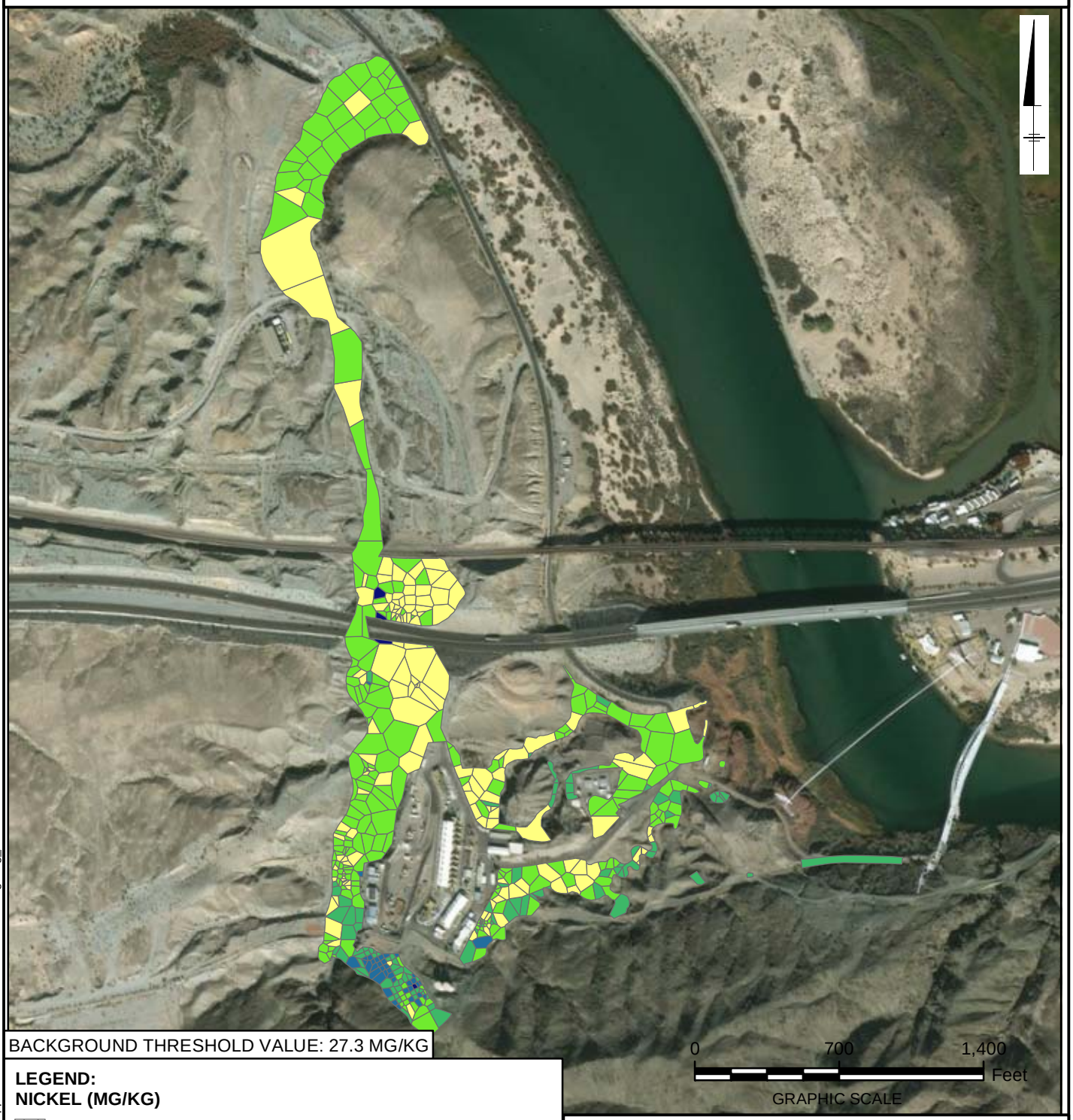
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.111

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 10.50
- ≥10.50 - 17.70
- ≥17.70 - 30.00
- ≥30.00 - 65.00
- ≥65.00 - 140.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

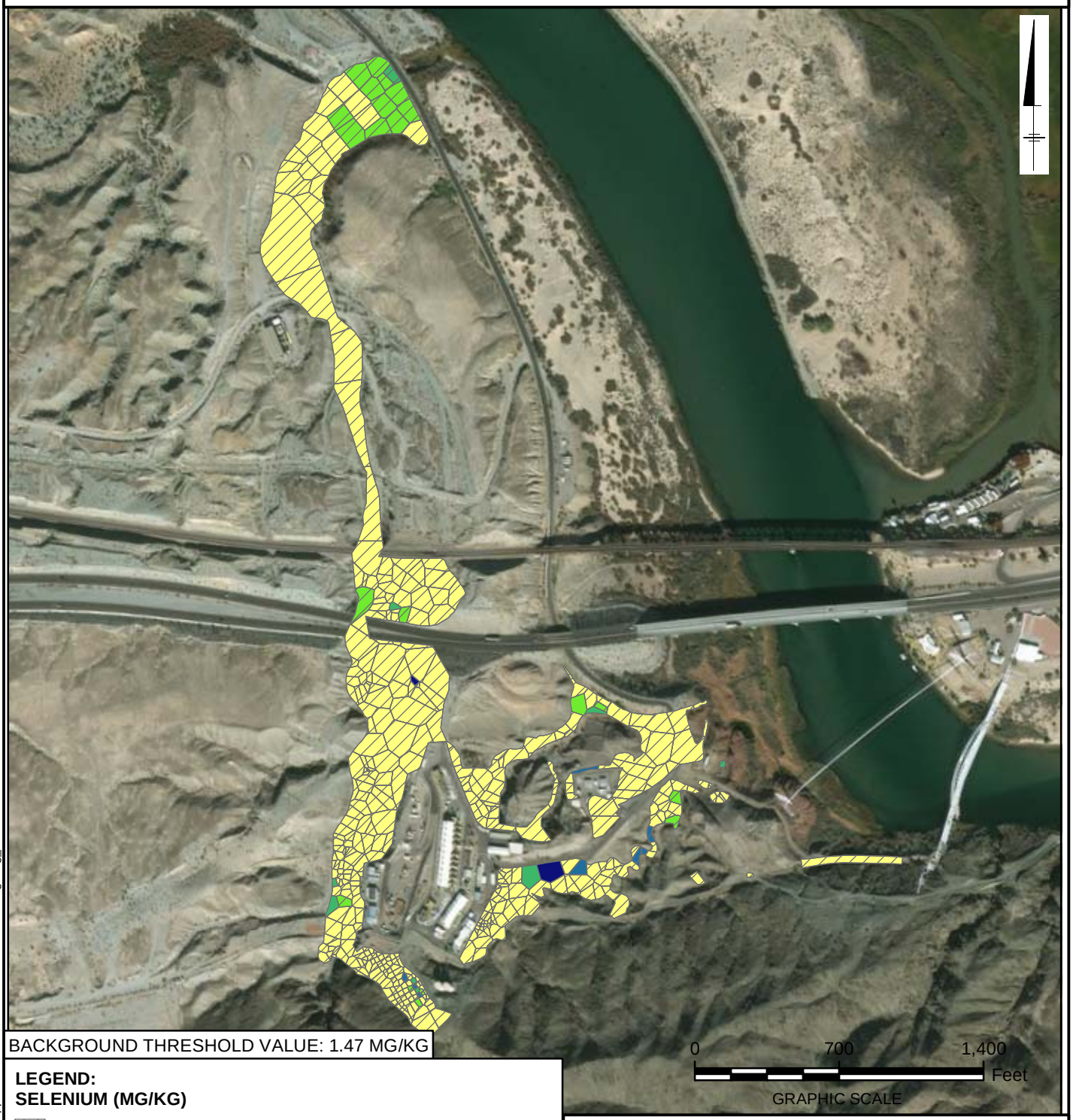
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.112

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
SELENIUM



BACKGROUND THRESHOLD VALUE: 1.47 MG/KG

LEGEND:
SELENIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.56
- ≥0.56 - 0.77
- ≥0.77 - 1.63
- ≥1.63 - 2.75
- ≥2.75 - 9.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

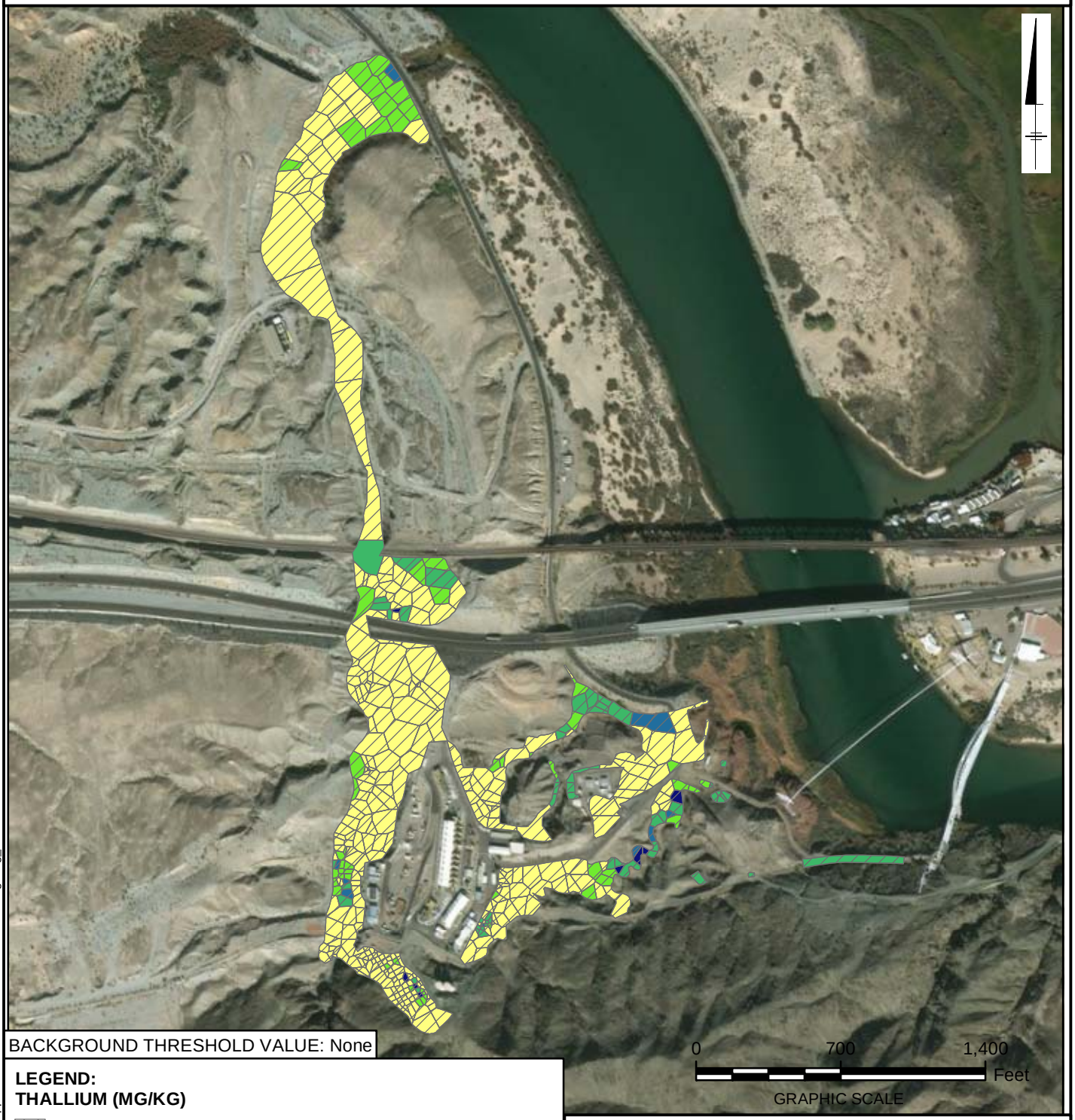
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.113

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
THALLIUM



BACKGROUND THRESHOLD VALUE: None

LEGEND:
THALLIUM (MG/KG)

- NOT DETECTED
- 0.50 - 1.14
- ≥1.14 - 1.62
- ≥1.62 - 2.55
- ≥2.55 - 4.40
- ≥4.40 - 7.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

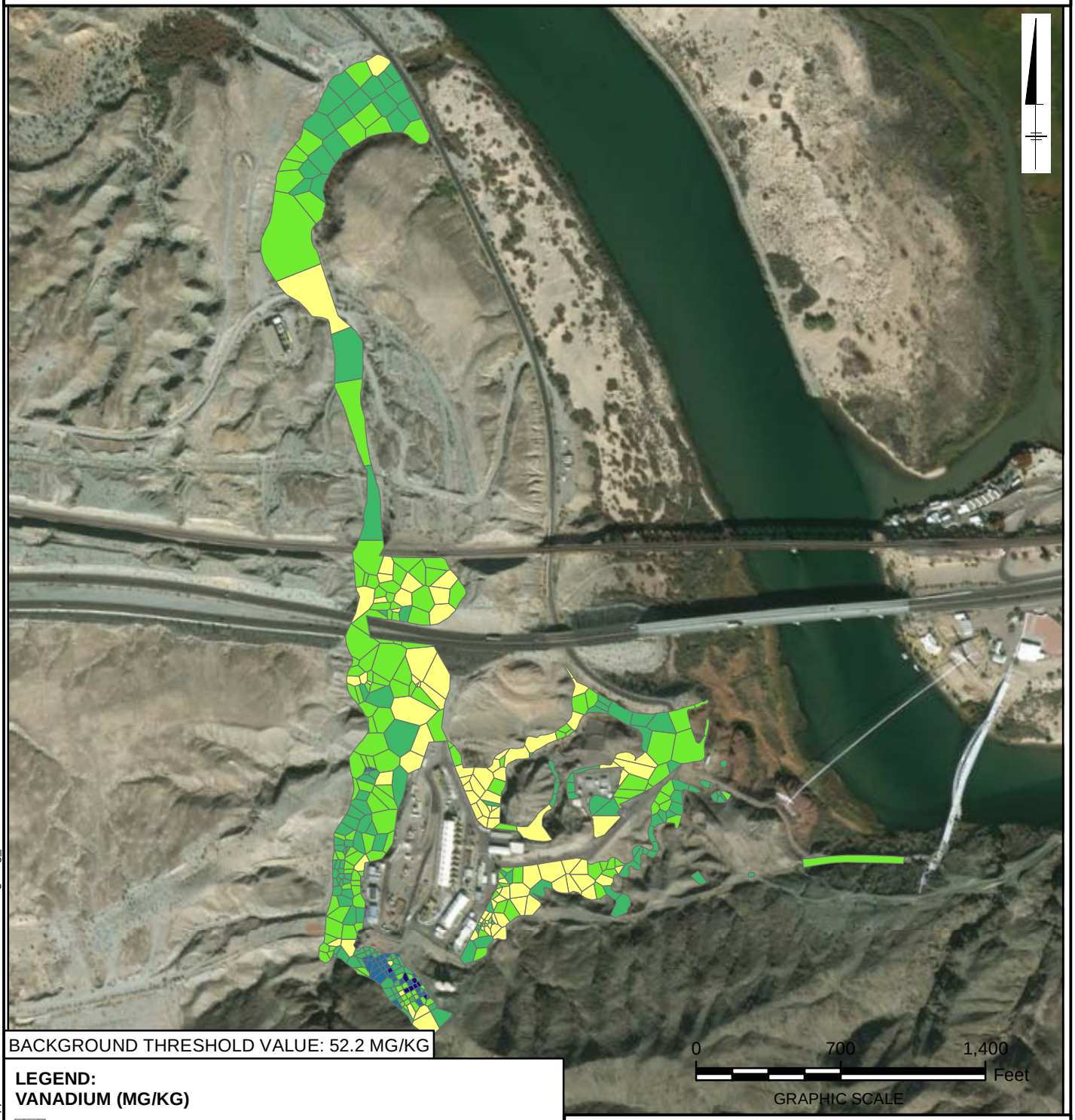
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.114

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 12.20 - 24.30
- ≥24.30 - 32.30
- ≥32.30 - 46.00
- ≥46.00 - 67.00
- ≥67.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

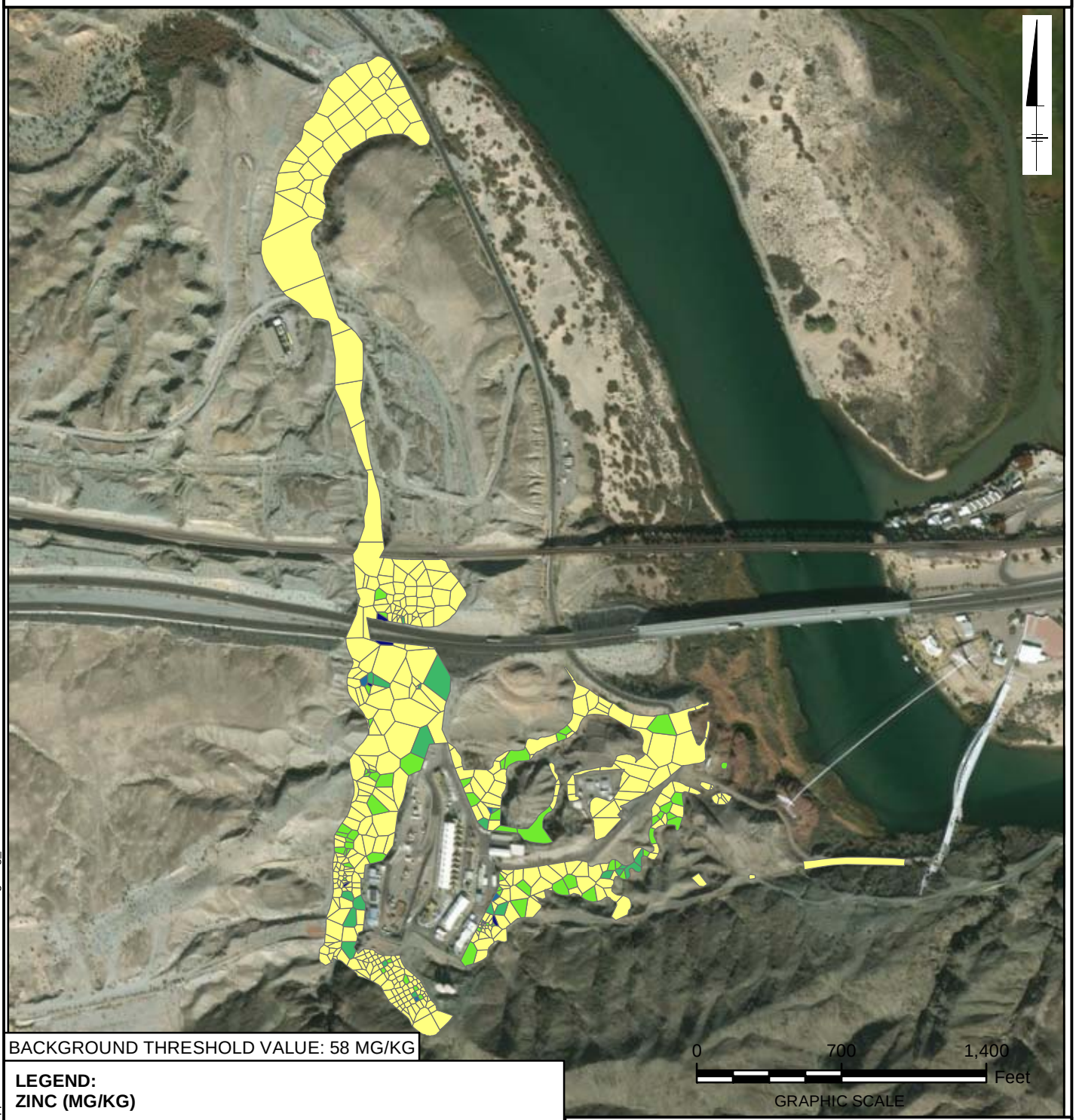
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.115

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 4.46 - 71.00
- ≥71.00 - 170.00
- ≥170.00 - 343.00
- ≥343.00 - 550.00
- ≥550.00 - 1020.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

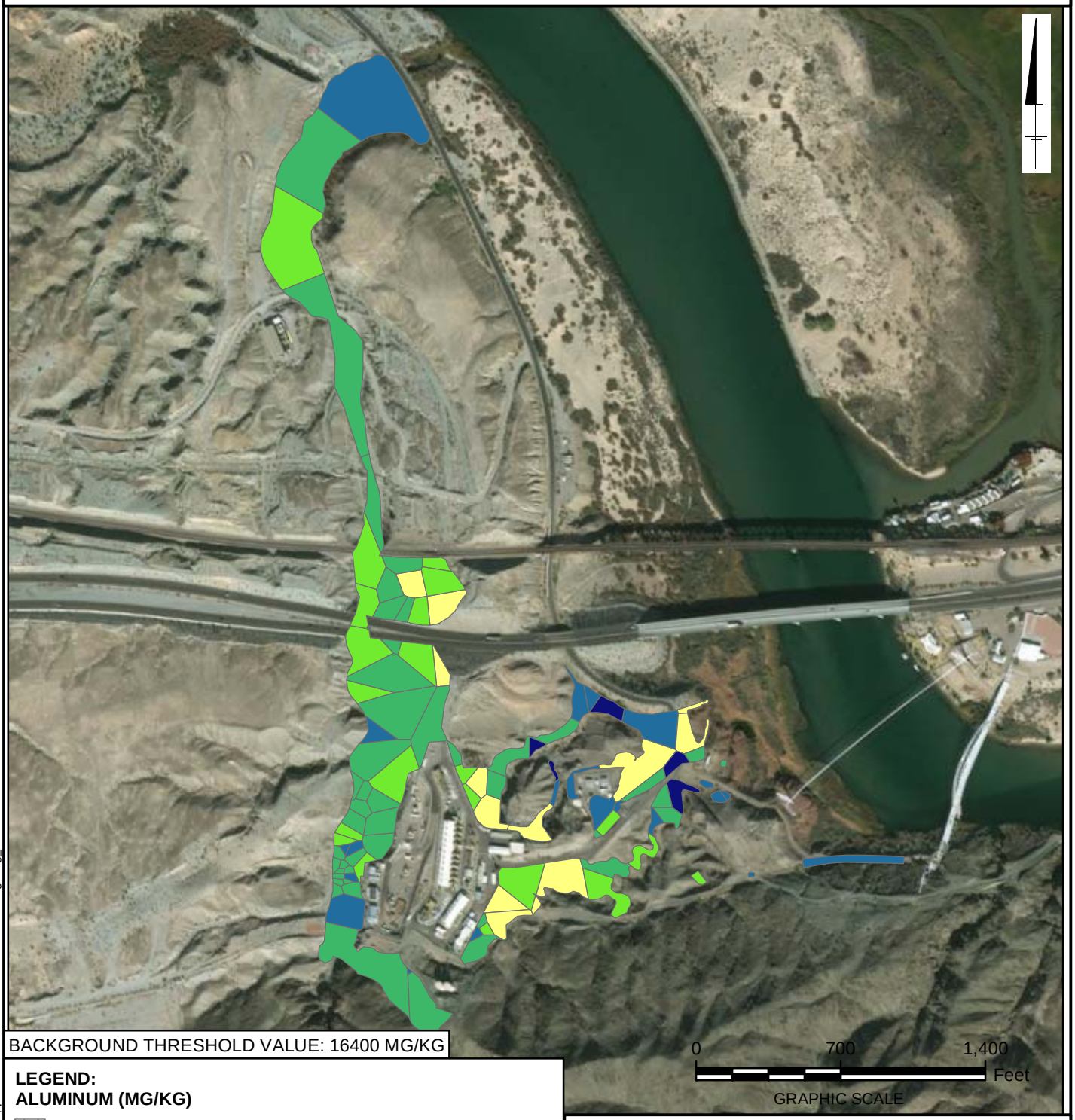
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.116

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 5400.00
- ≥5400.00 - 7700.00
- ≥7700.00 - 10000.00
- ≥10000.00 - 15000.00
- ≥15000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

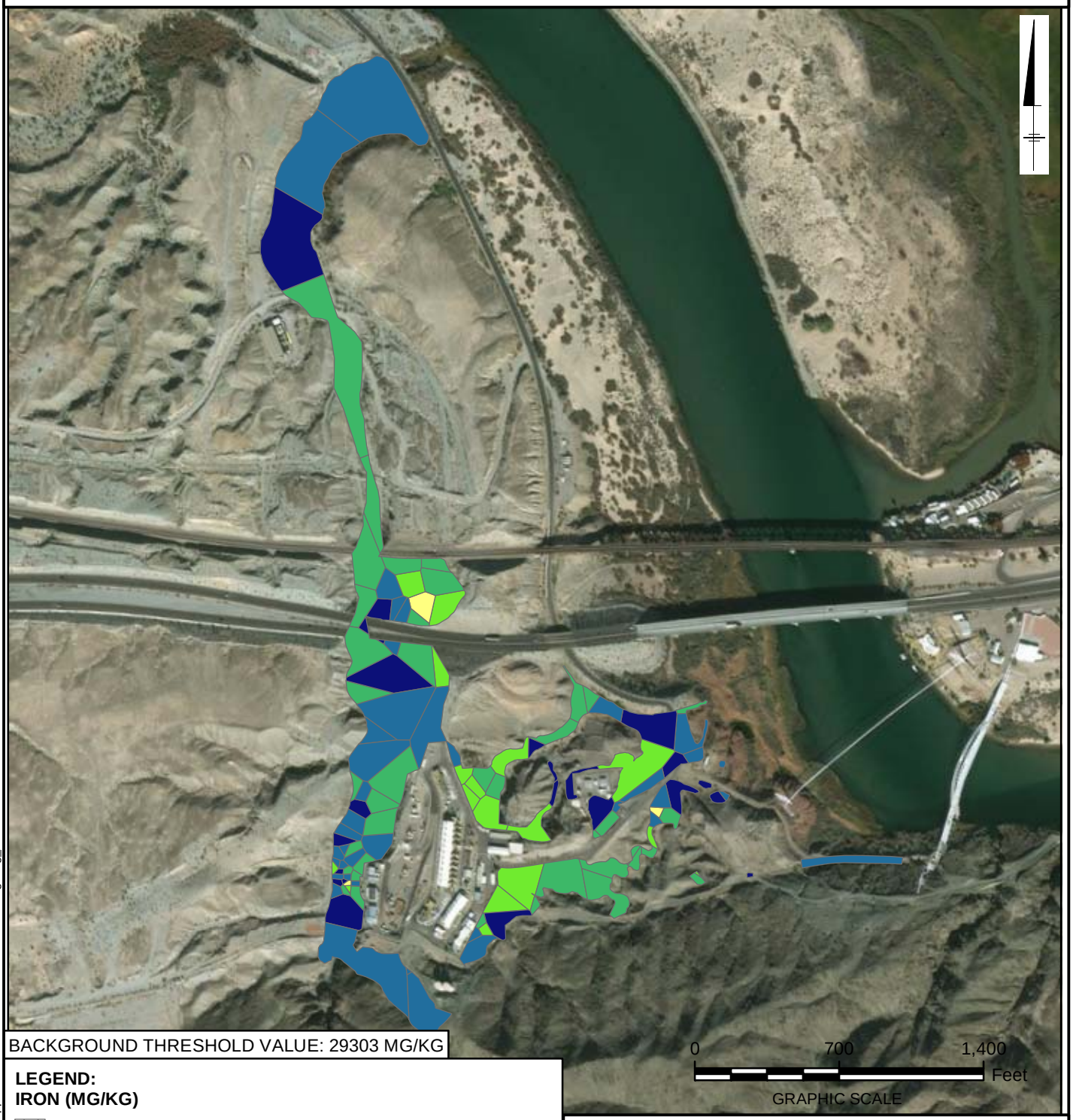
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.117

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 425.00 - 4760.00
- ≥4760.00 - 12000.00
- ≥12000.00 - 17000.00
- ≥17000.00 - 22000.00
- ≥22000.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

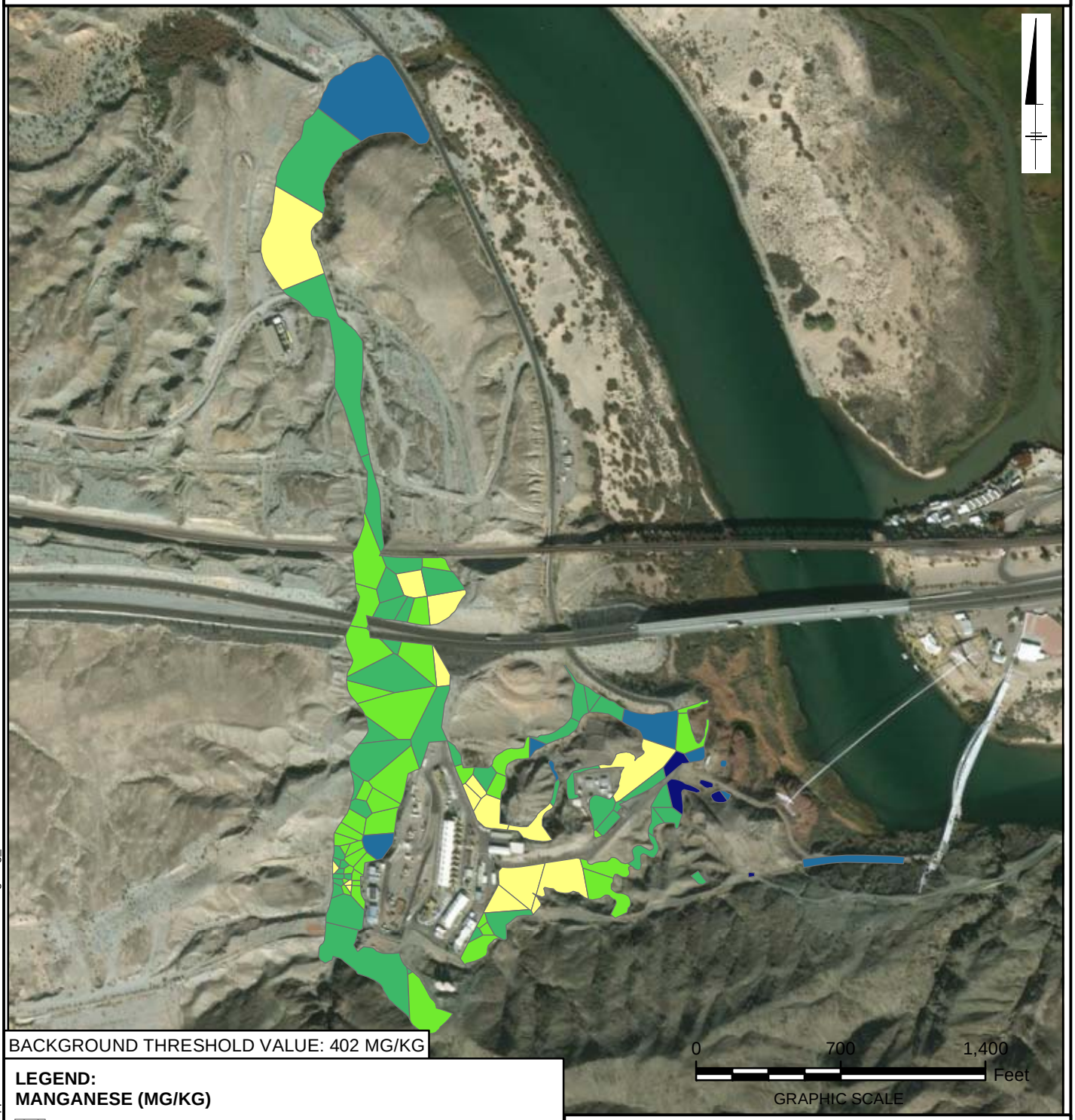
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.11B

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 67.40 - 180.00
- ≥180.00 - 250.00
- ≥250.00 - 370.00
- ≥370.00 - 670.00
- ≥670.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

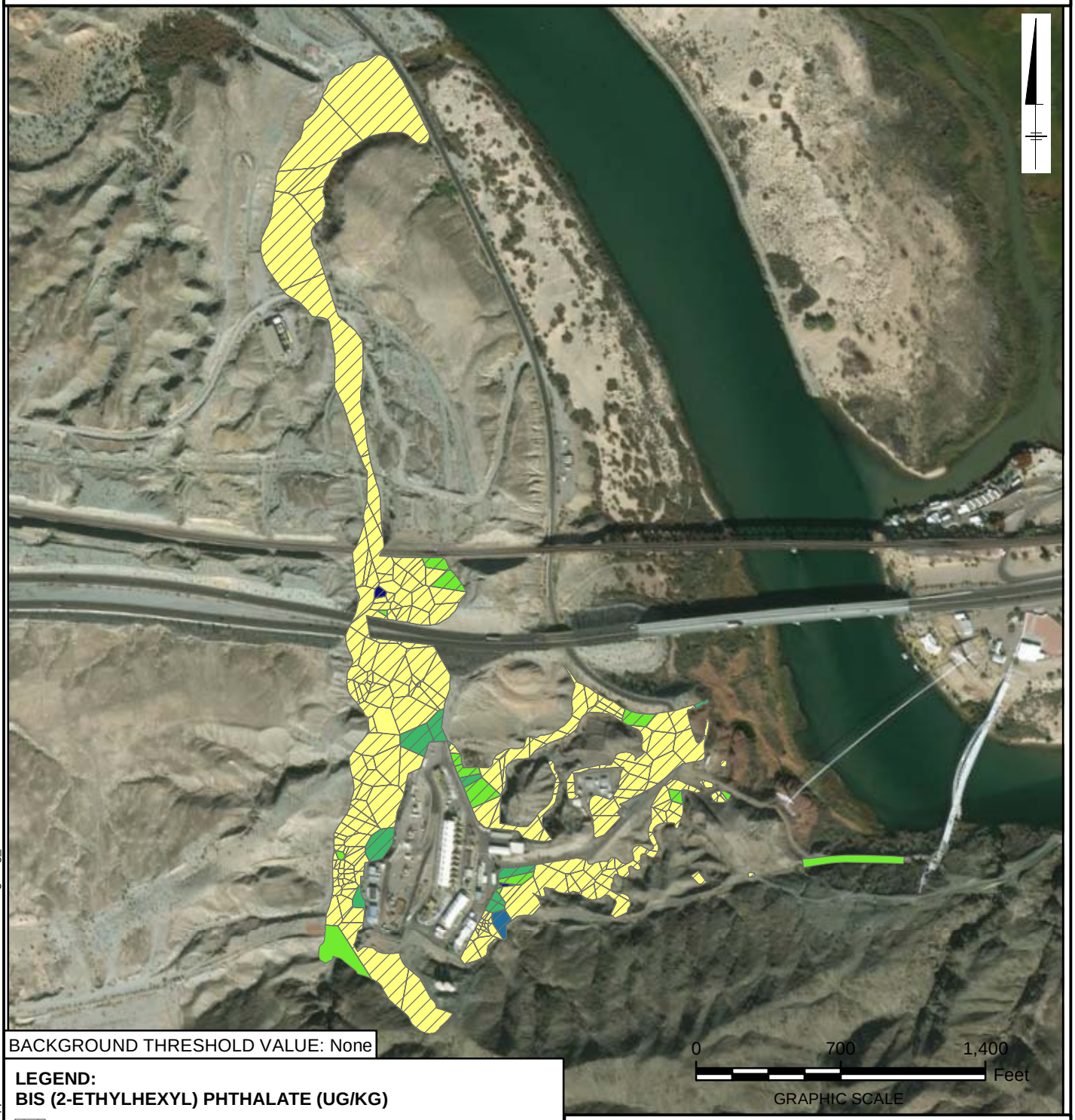
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.119

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BIS (2-ETHYLHEXYL) PHTHALATE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BIS (2-ETHYLHEXYL) PHTHALATE (UG/KG)

- NOT DETECTED
- 165.00 - 335.00
- ≥335.00 - 733.00
- ≥733.00 - 2000.00
- ≥2000.00 - 10500.00
- ≥10500.00 - 28000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

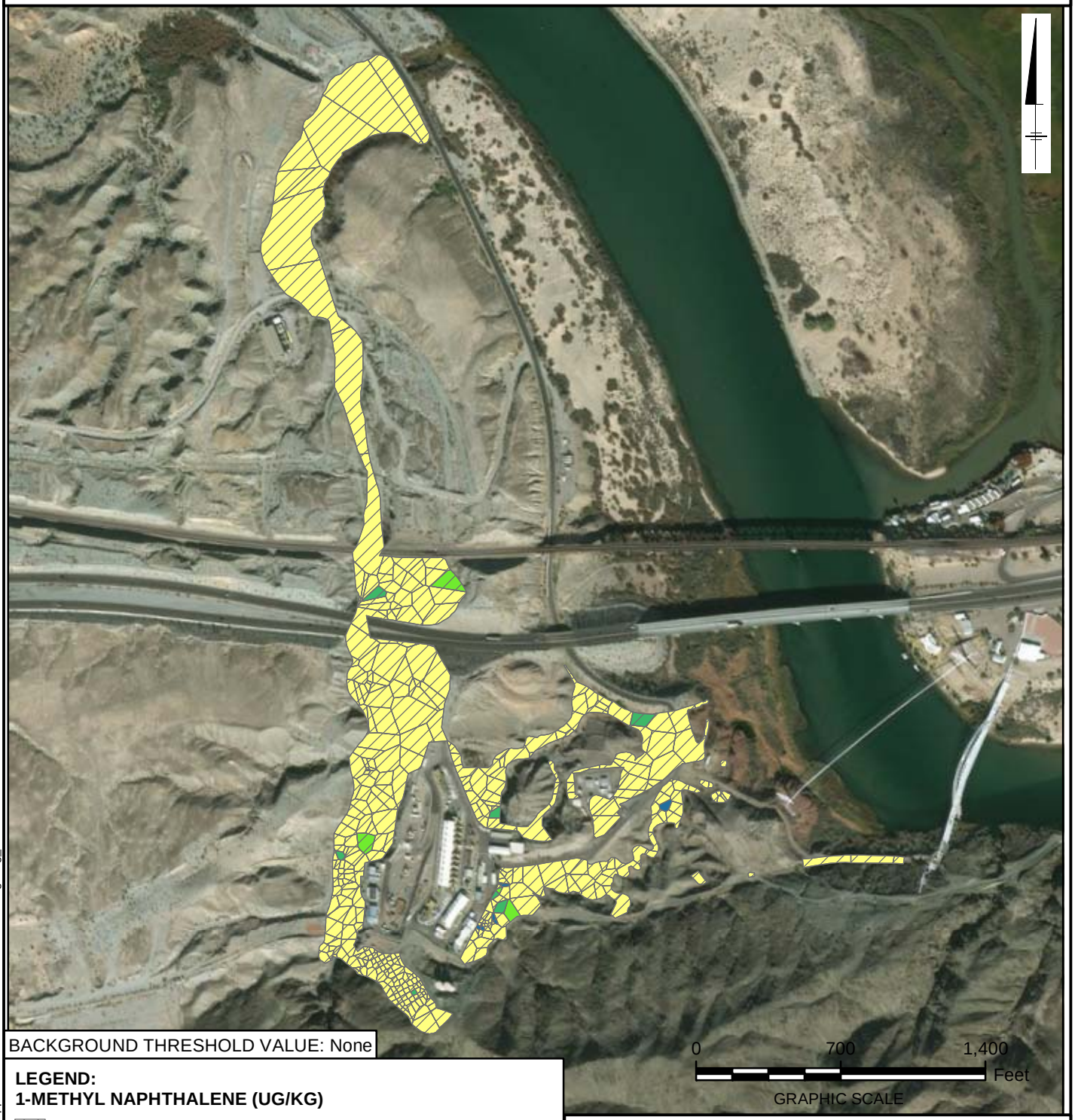
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.1.20

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.77
- ≥3.77 - 6.29
- ≥6.29 - 11.20
- ≥11.20 - 86.70
- ≥86.70 - 200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

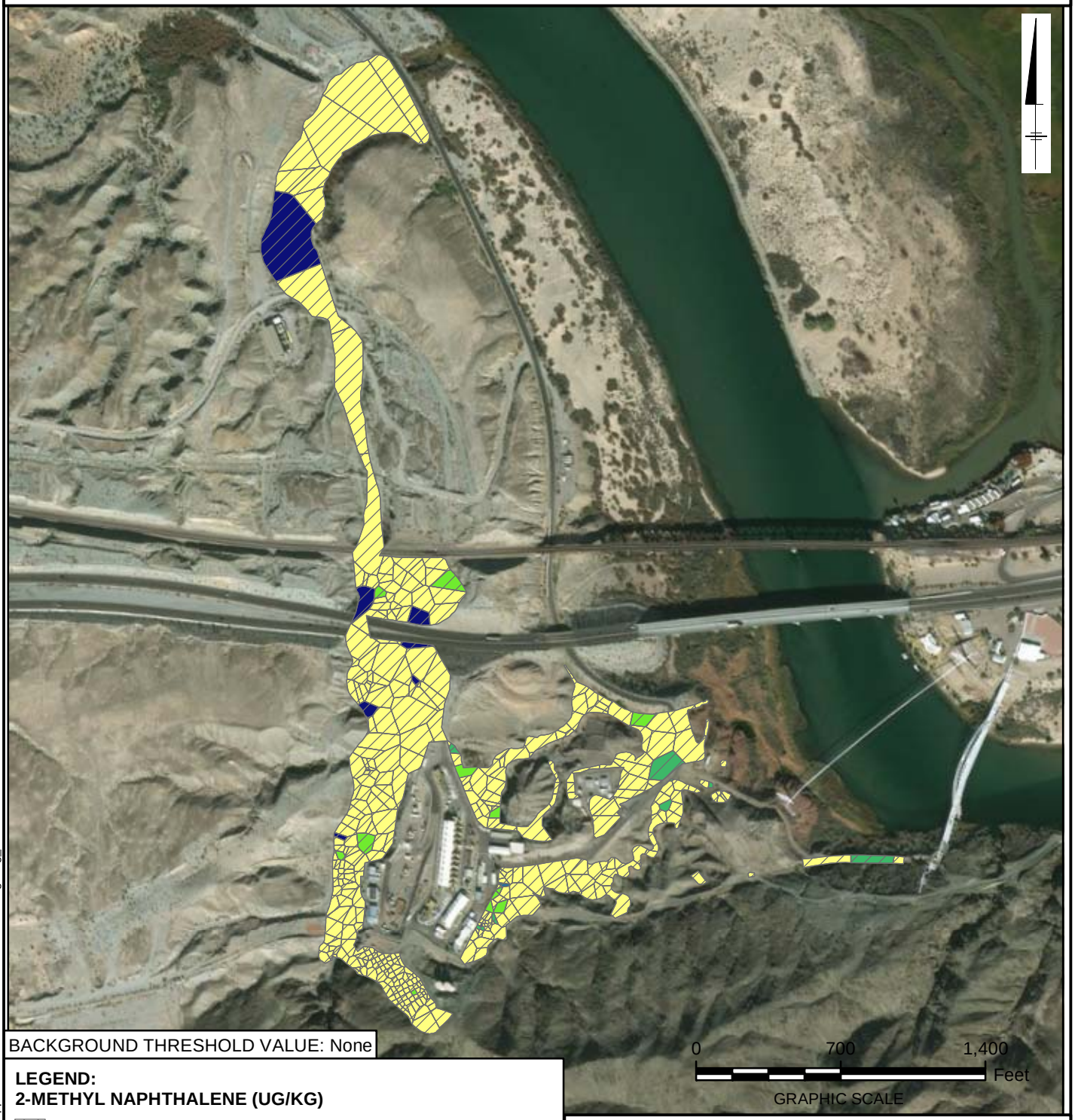
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.121

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.07
- ≥5.07 - 14.50
- ≥14.50 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

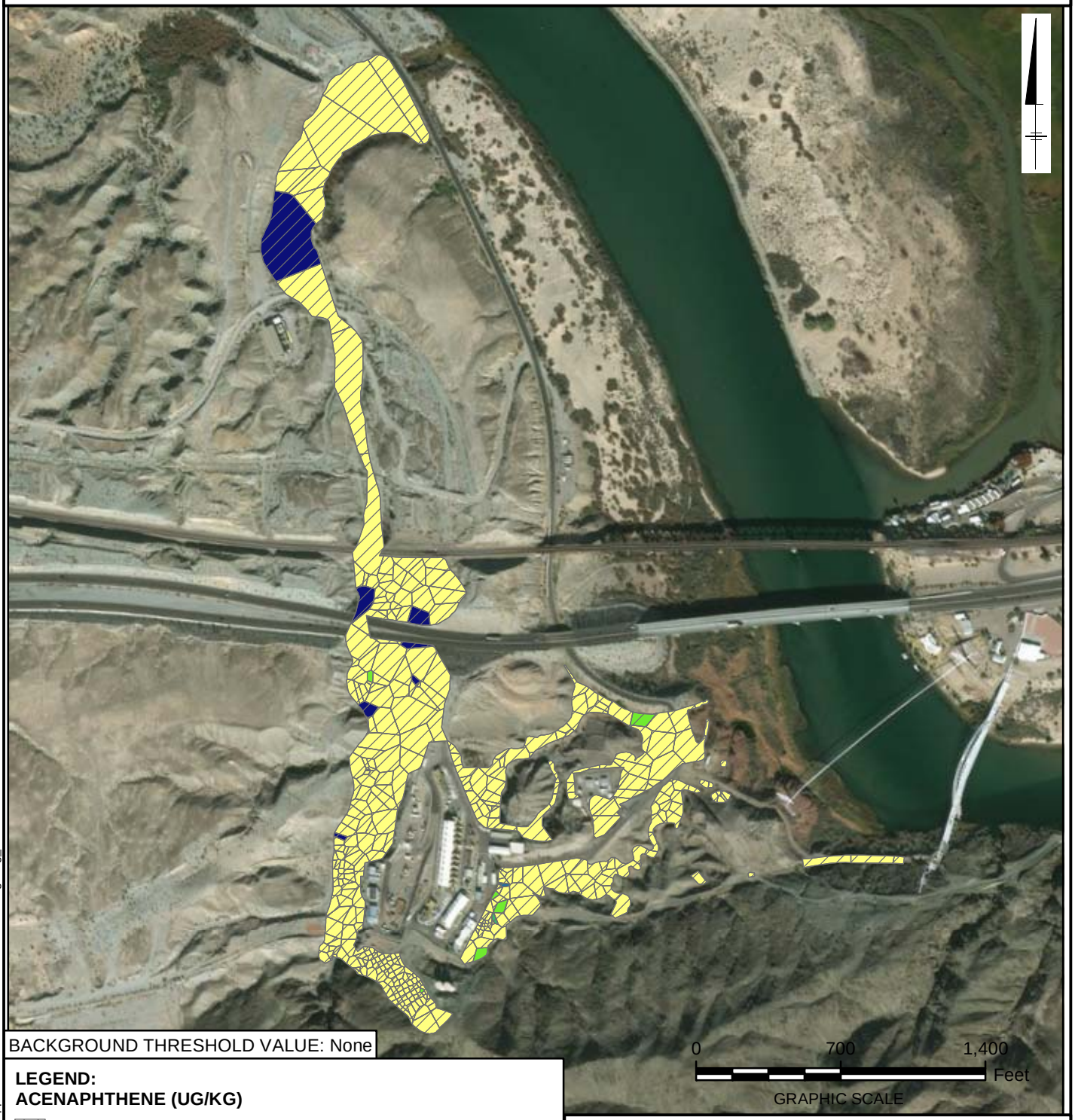
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.122

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 7.81
- ≥7.81 - 22.00
- ≥22.00 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

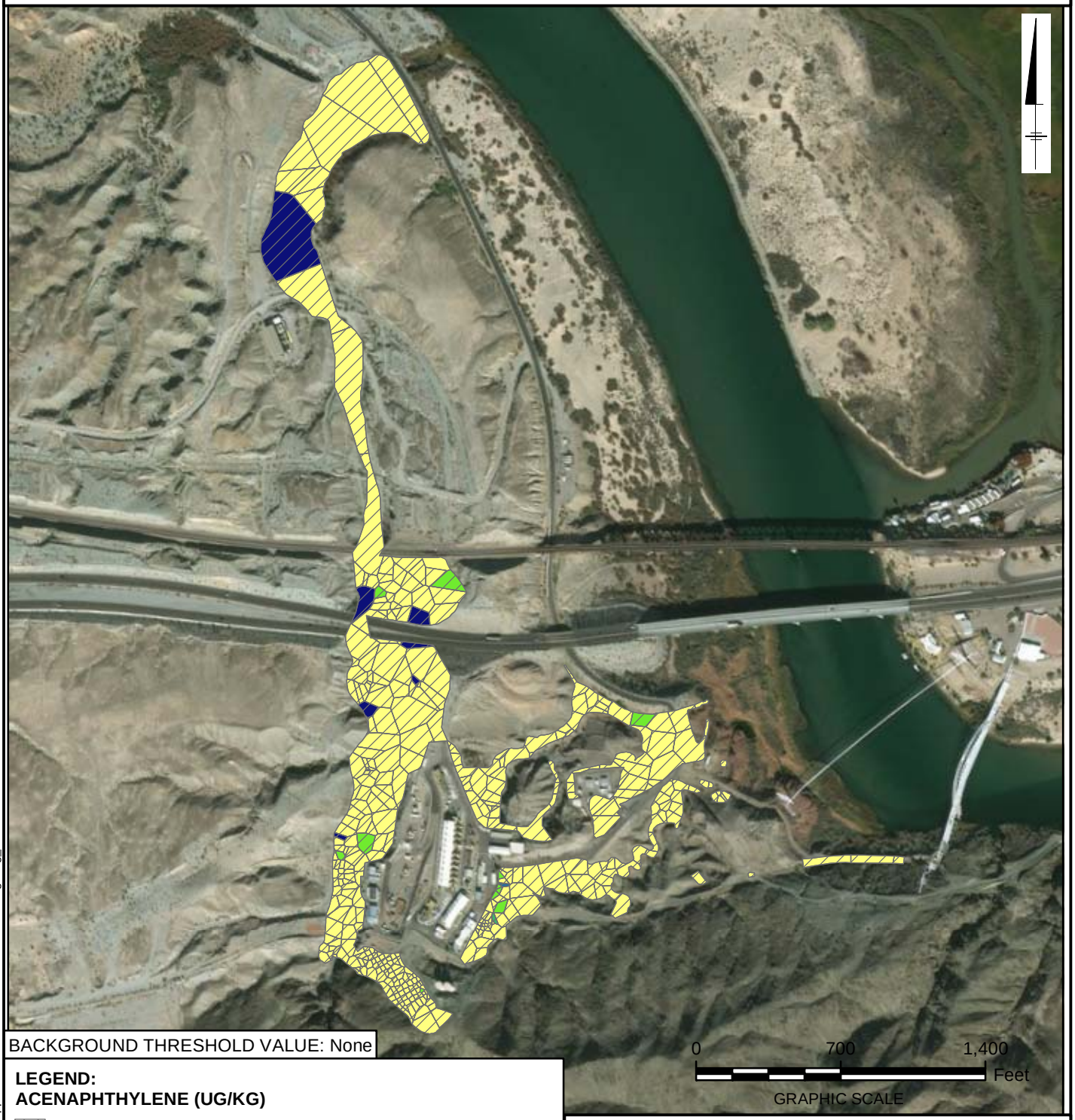
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.123

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.77
- ≥4.77 - 11.20
- ≥11.20 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

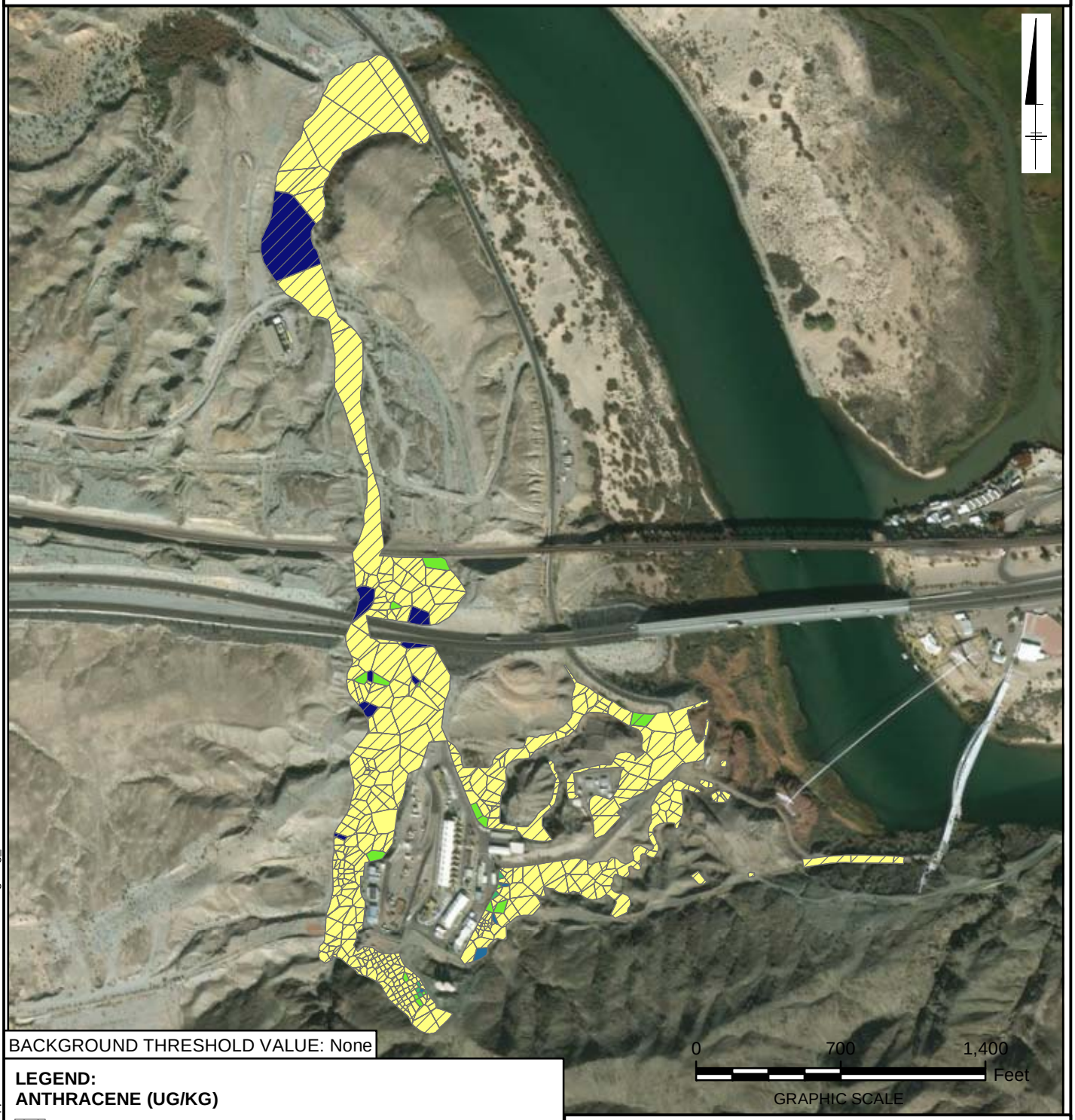
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.124

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 8.07
- ≥8.07 - 22.00
- ≥22.00 - 44.00
- ≥44.00 - 95.00
- ≥95.00 - 241.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

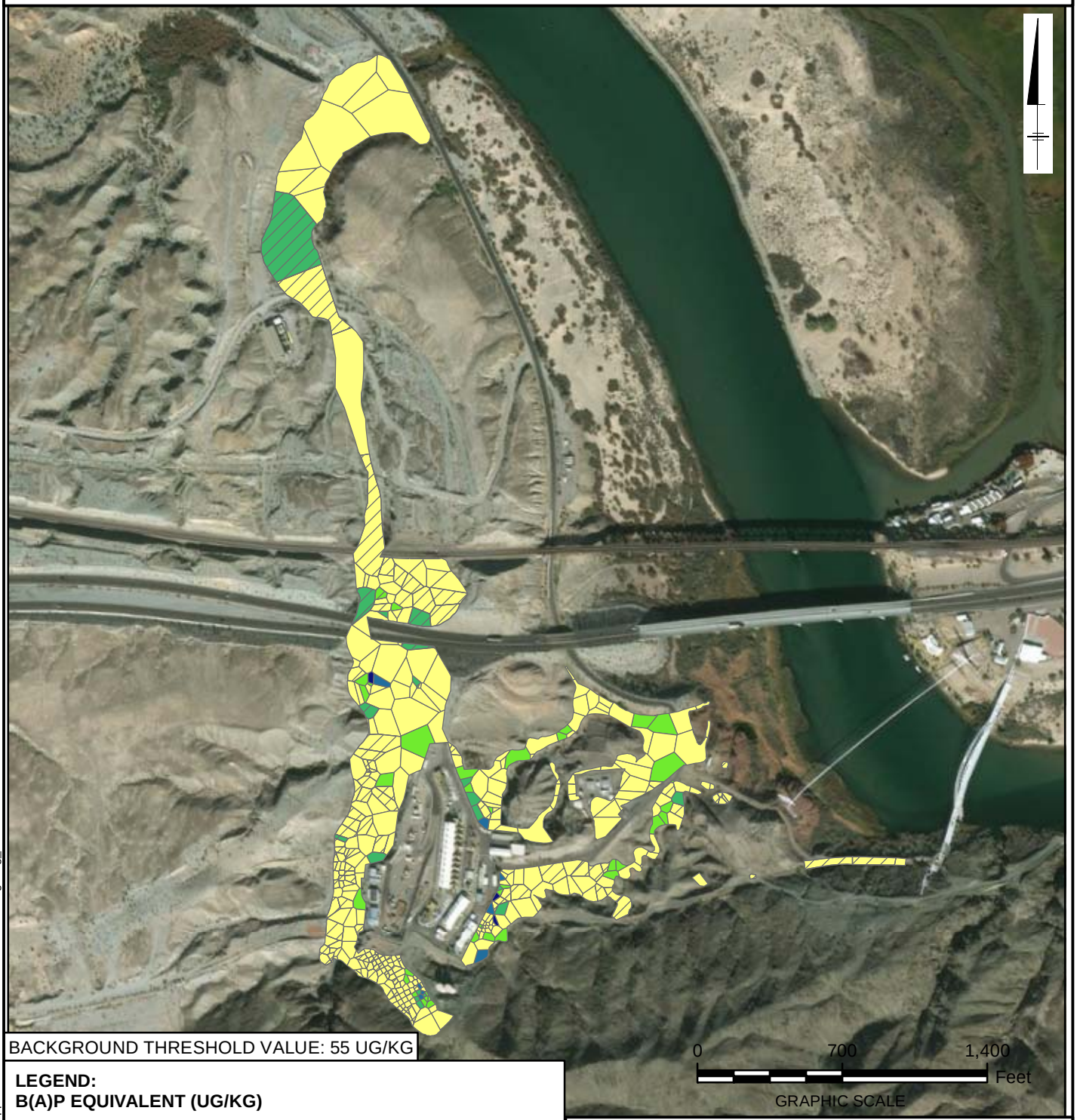
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.125

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 67.00
- ≥67.00 - 210.00
- ≥210.00 - 490.00
- ≥490.00 - 1100.00
- ≥1100.00 - 2740.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

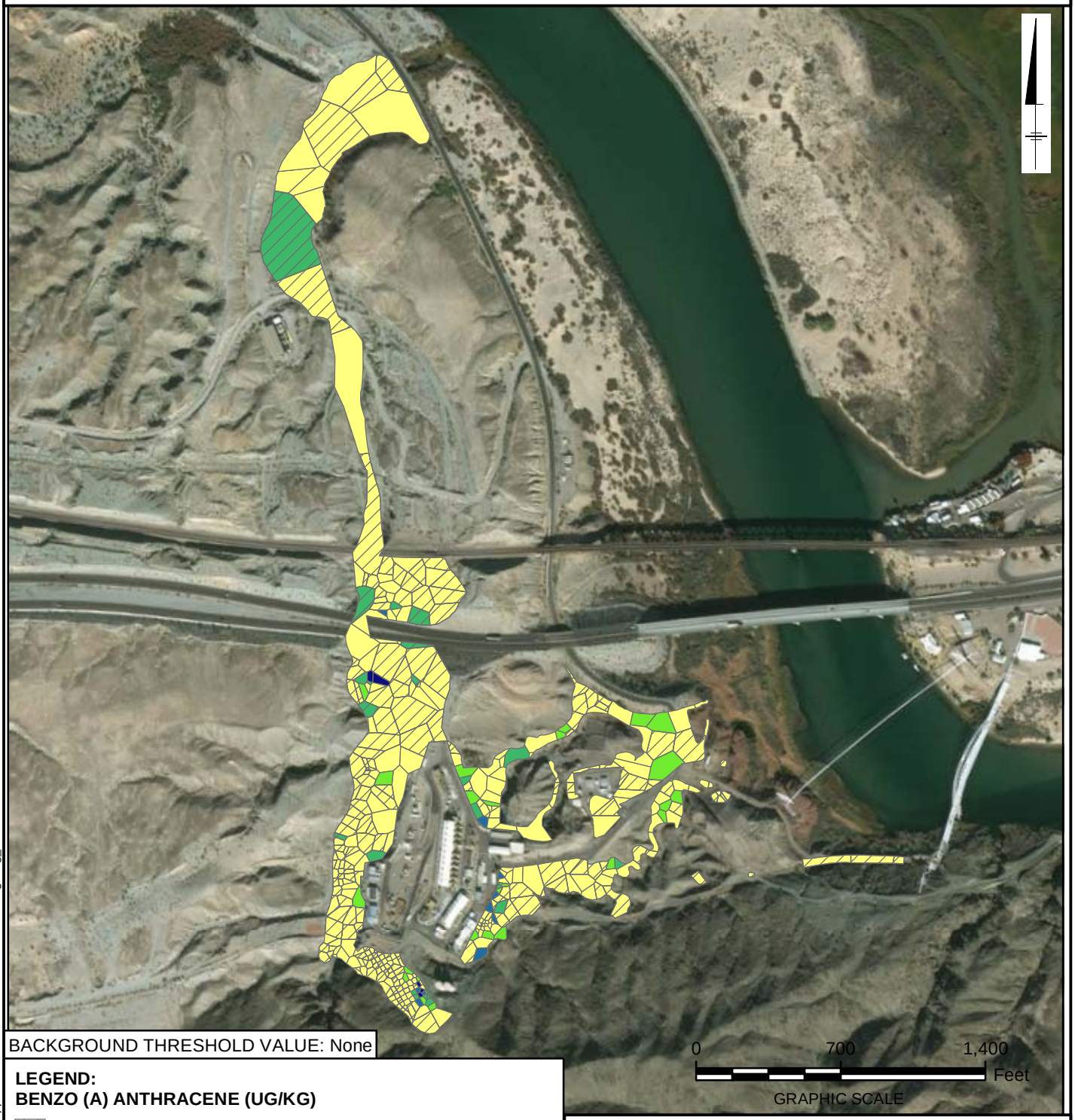
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.126

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 39.00
- ≥39.00 - 120.00
- ≥120.00 - 250.00
- ≥250.00 - 678.00
- ≥678.00 - 1410.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

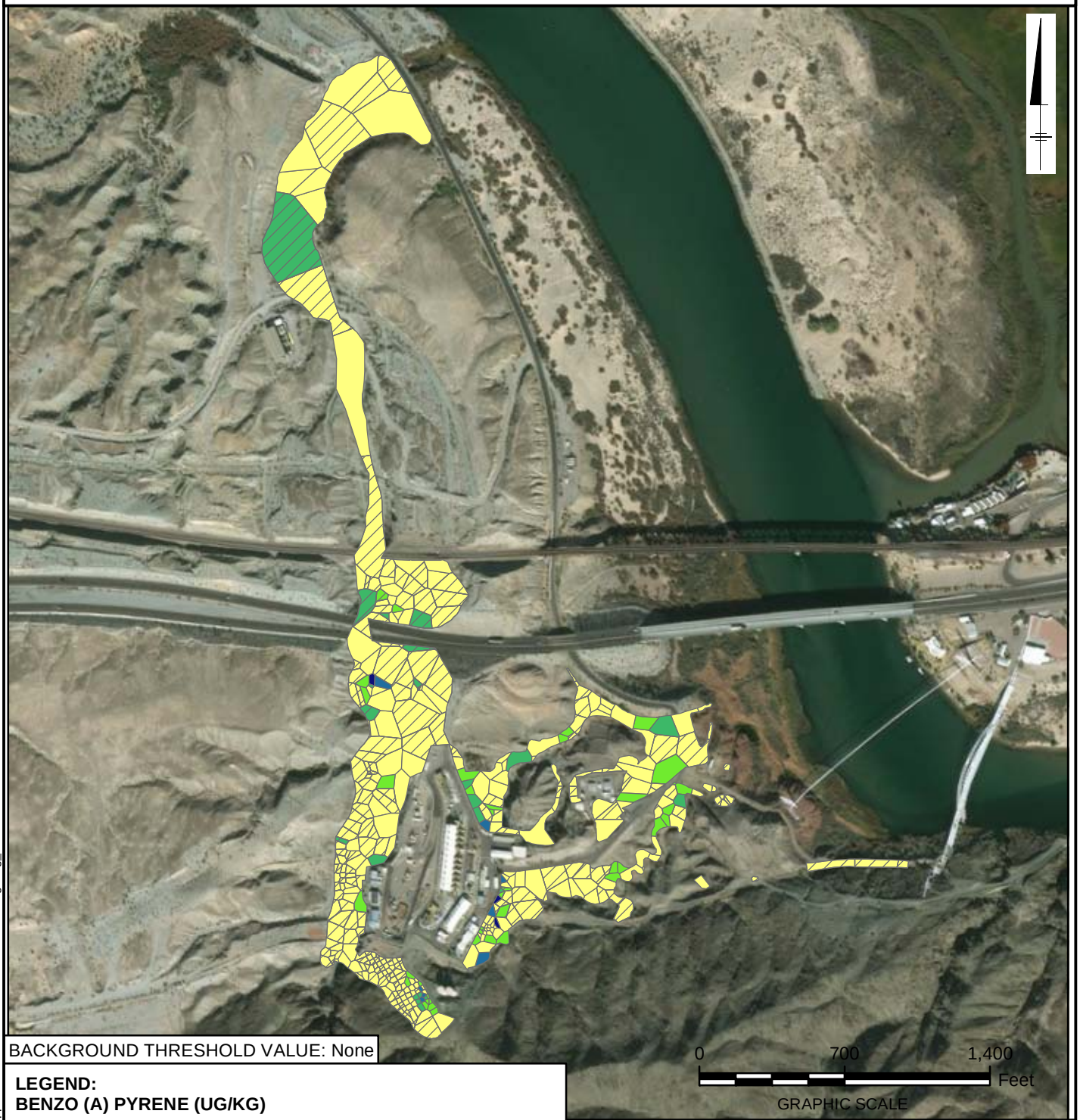
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.127

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 36.90
- ≥36.90 - 120.00
- ≥120.00 - 350.00
- ≥350.00 - 750.00
- ≥750.00 - 1470.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

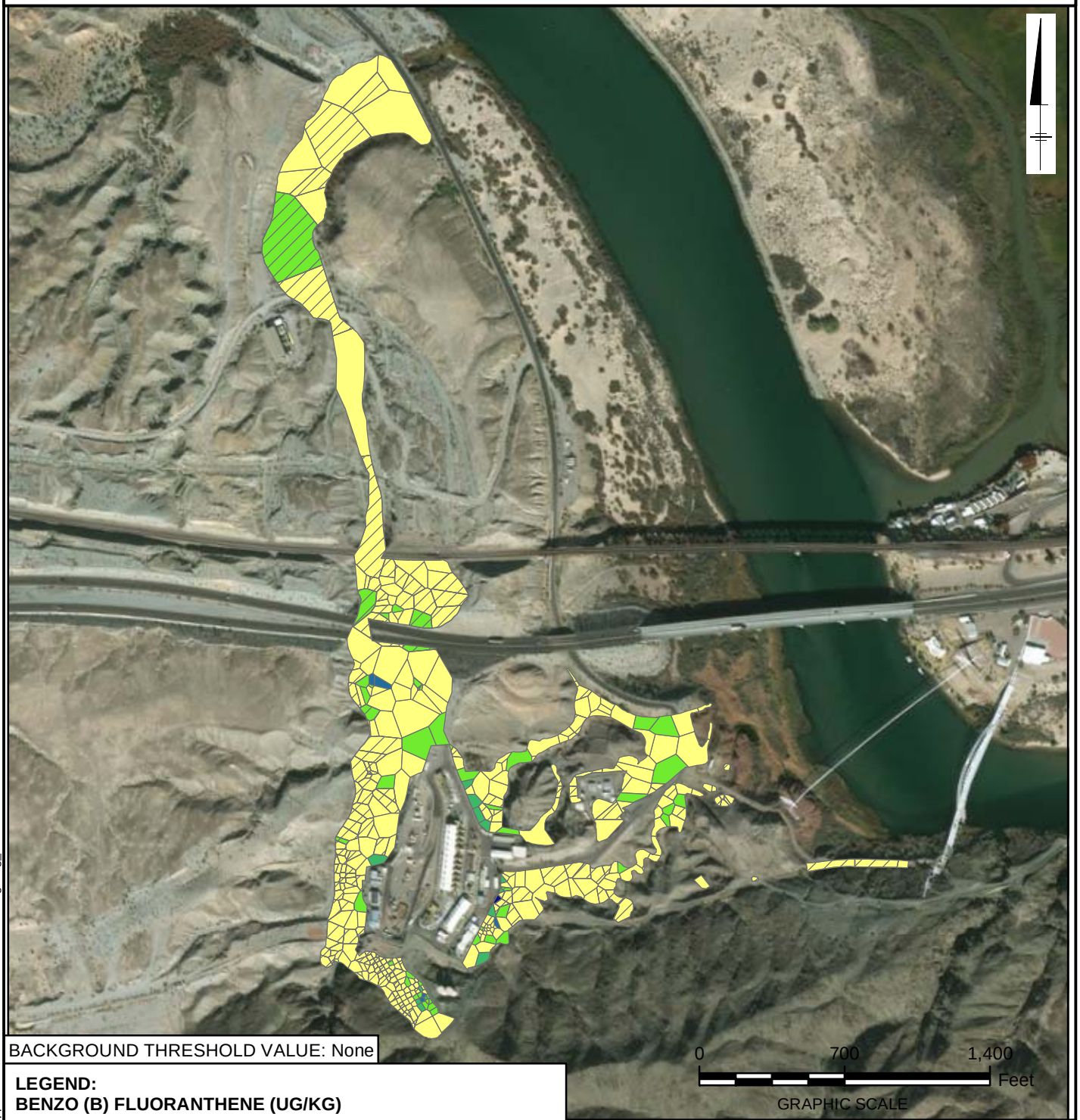
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.128

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 82.10
- ≥82.10 - 377.00
- ≥377.00 - 968.00
- ≥968.00 - 2040.00
- ≥2040.00 - 5000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

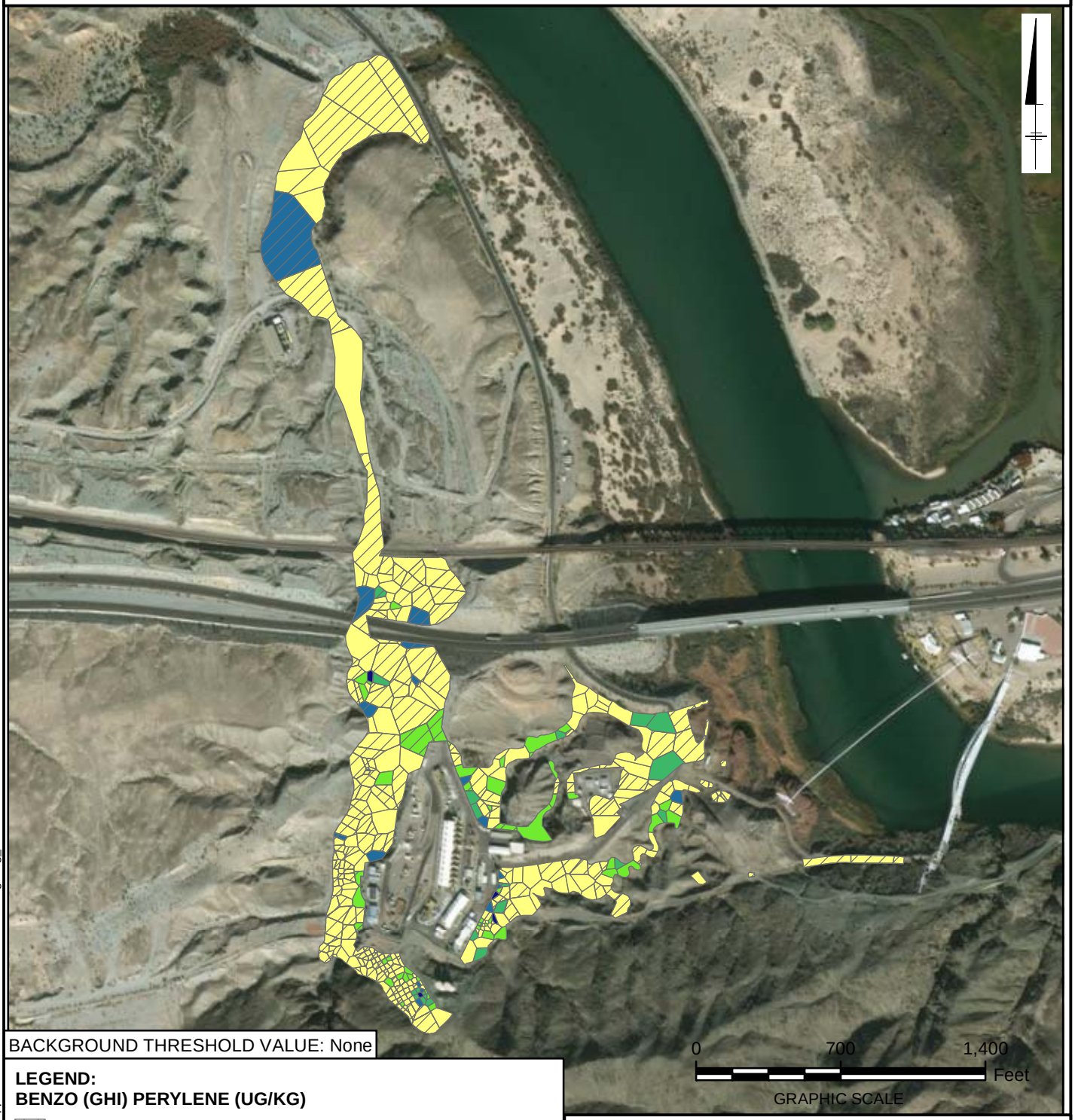
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.129

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 17.50
- ≥17.50 - 51.00
- ≥51.00 - 134.00
- ≥134.00 - 390.00
- ≥390.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

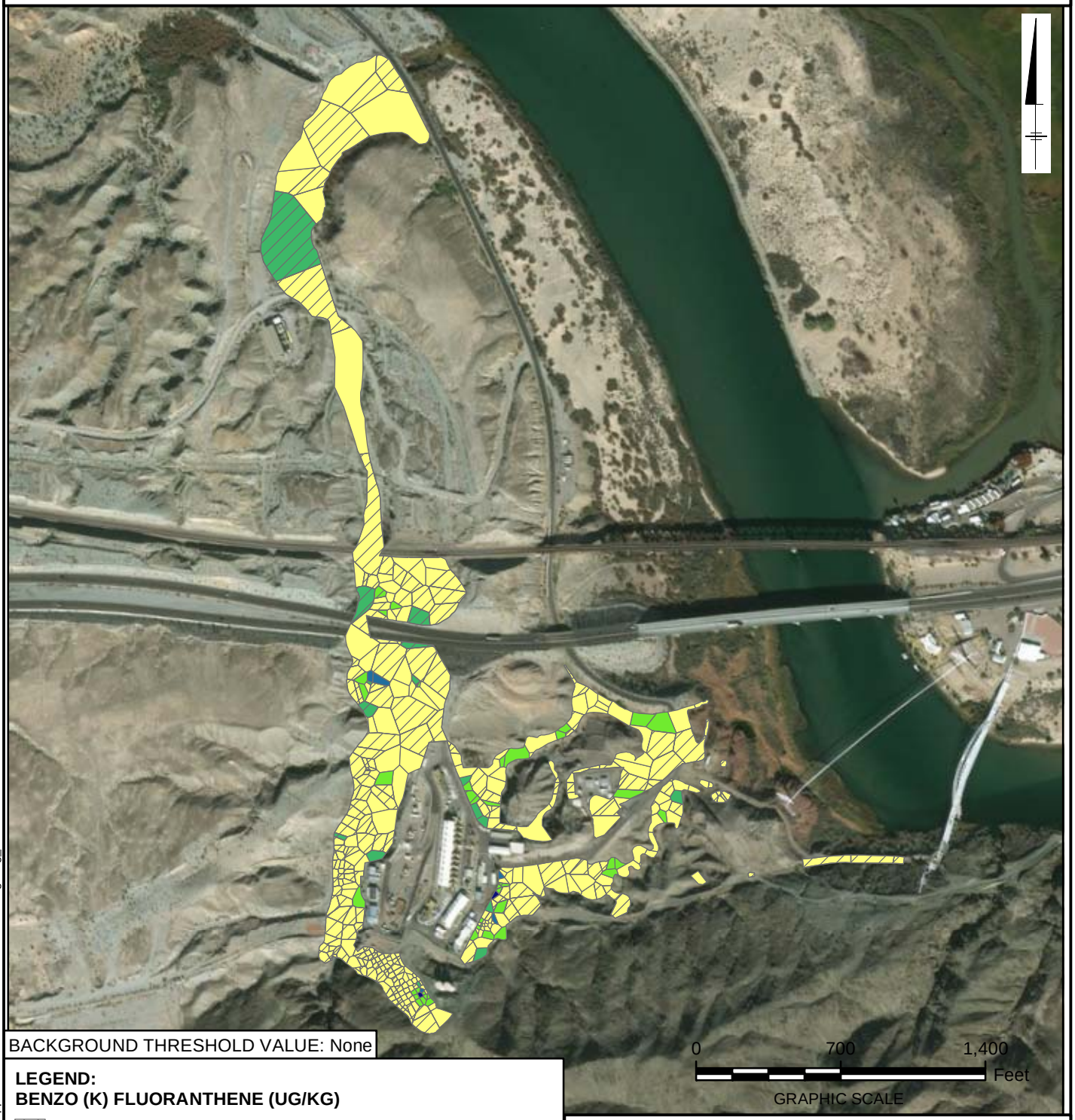
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.1.3.0

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 36.00
- ≥36.00 - 128.00
- ≥128.00 - 312.00
- ≥312.00 - 765.00
- ≥765.00 - 1940.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

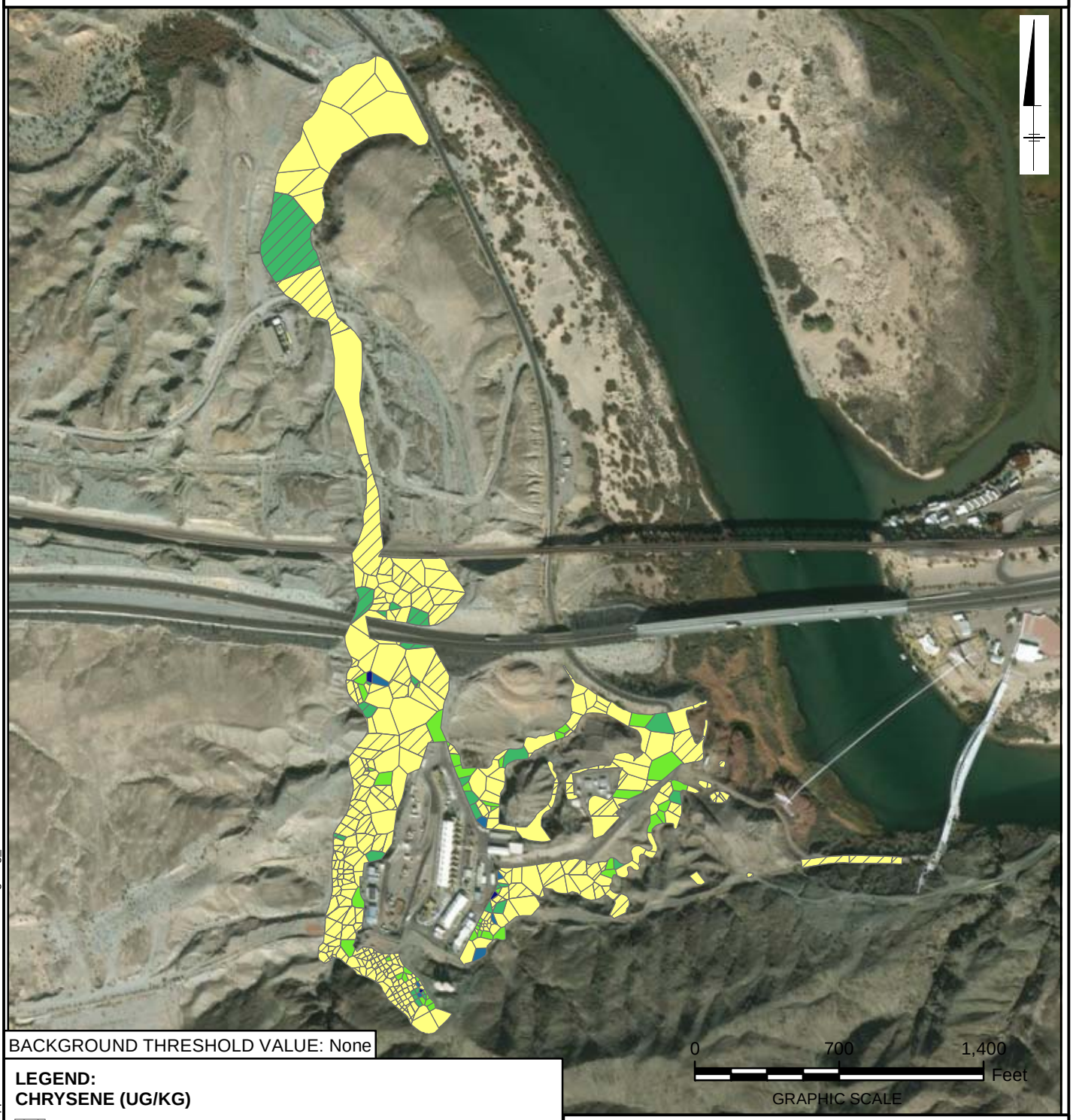
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.13.1

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 37.00
- ≥37.00 - 138.00
- ≥138.00 - 410.00
- ≥410.00 - 930.00
- ≥930.00 - 1740.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

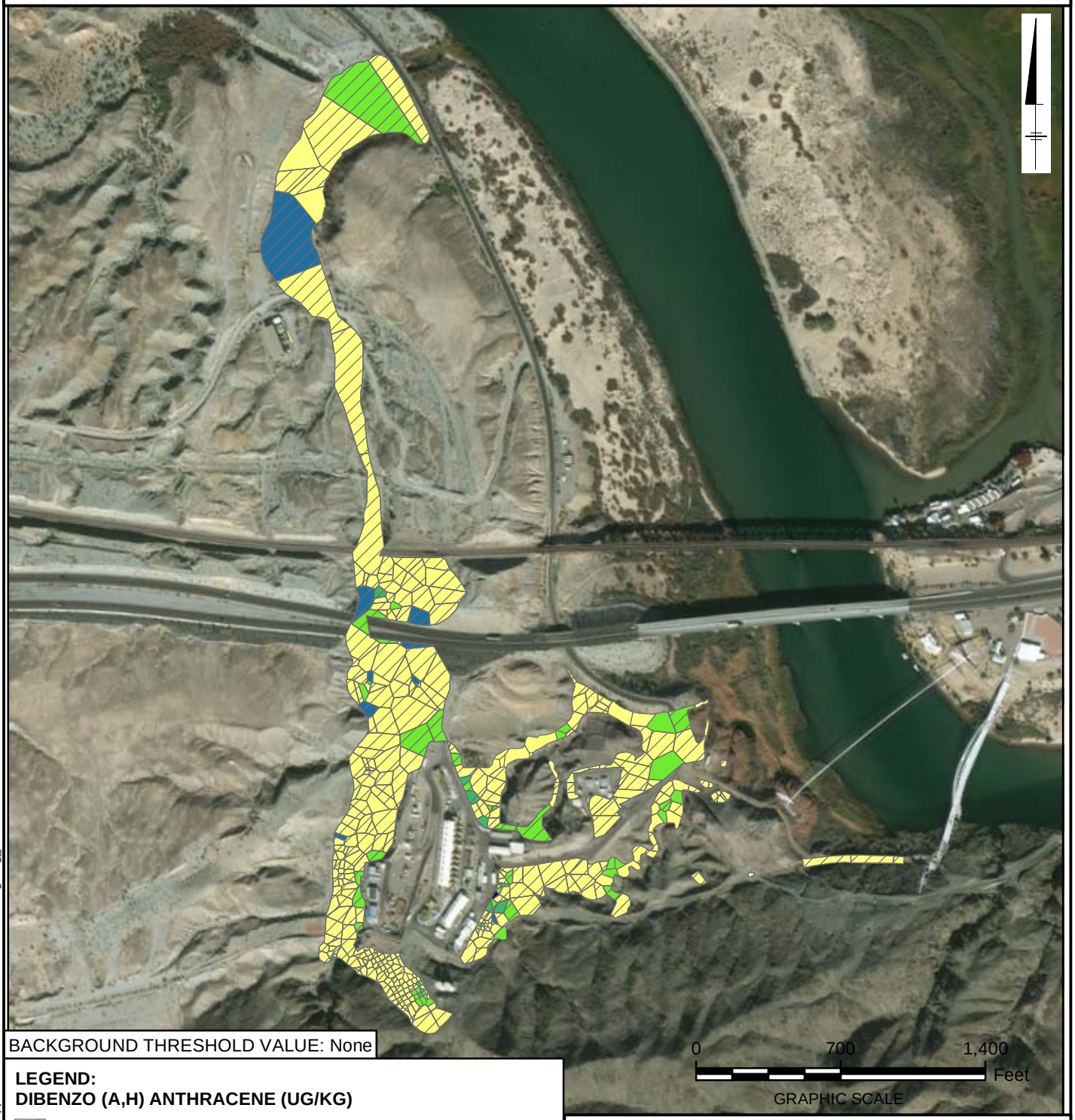
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.132

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 11.30
- ≥11.30 - 43.30
- ≥43.30 - 93.00
- ≥93.00 - 340.00
- ≥340.00 - 635.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

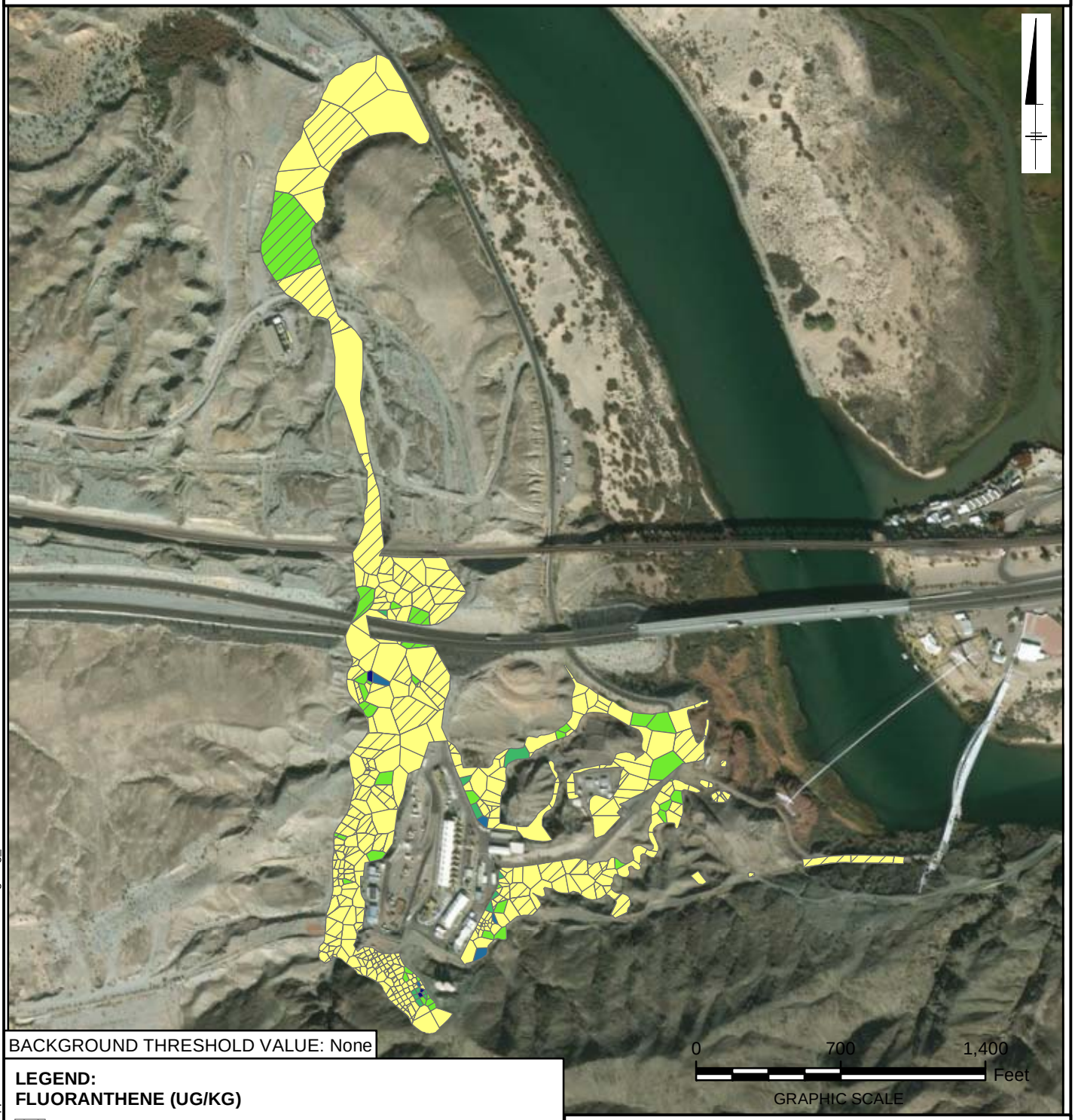
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.133

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 110.00
- ≥110.00 - 370.00
- ≥370.00 - 868.00
- ≥868.00 - 1770.00
- ≥1770.00 - 3200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

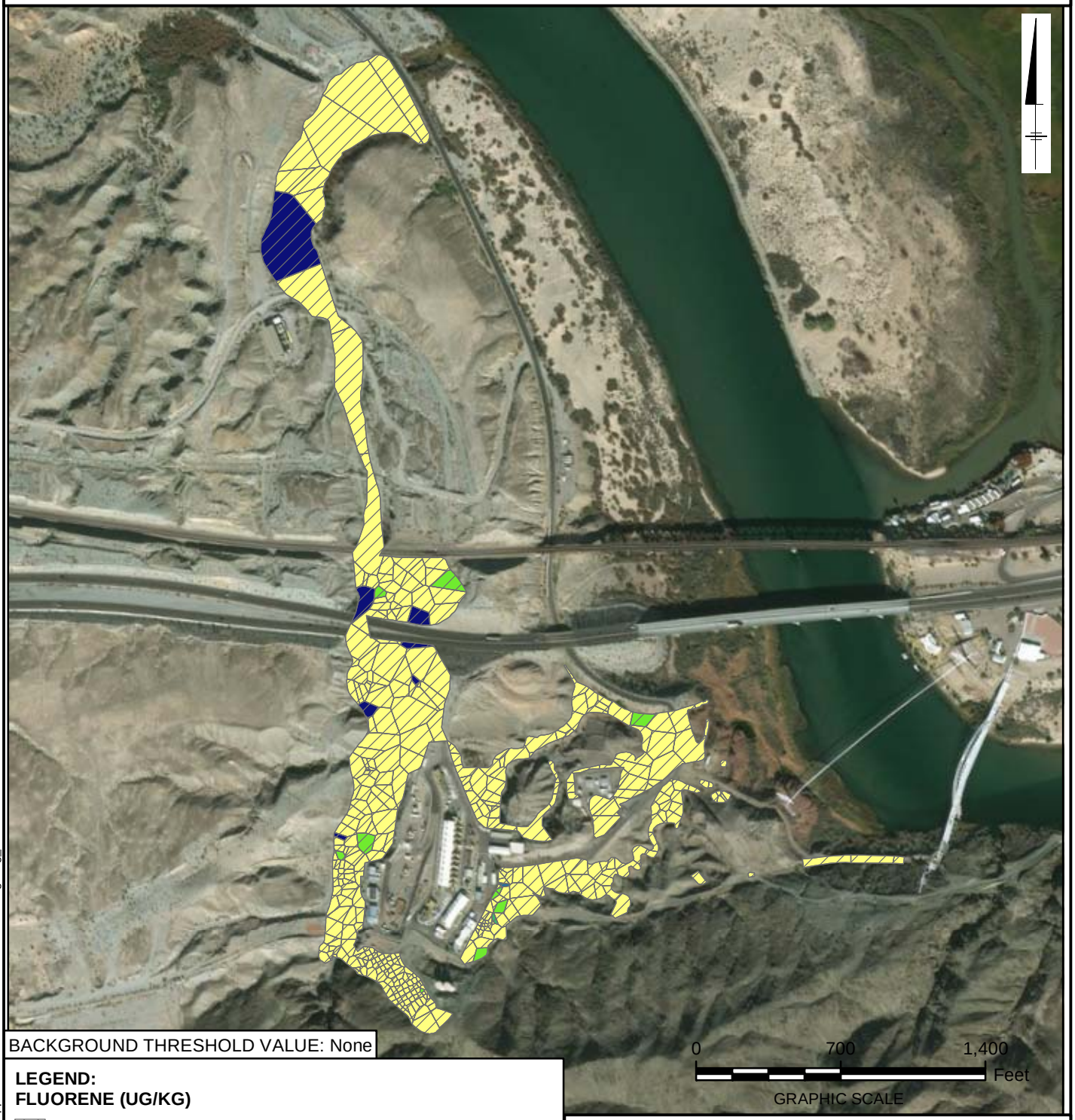
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.134

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.00
- ≥5.00 - 14.00
- ≥14.00 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

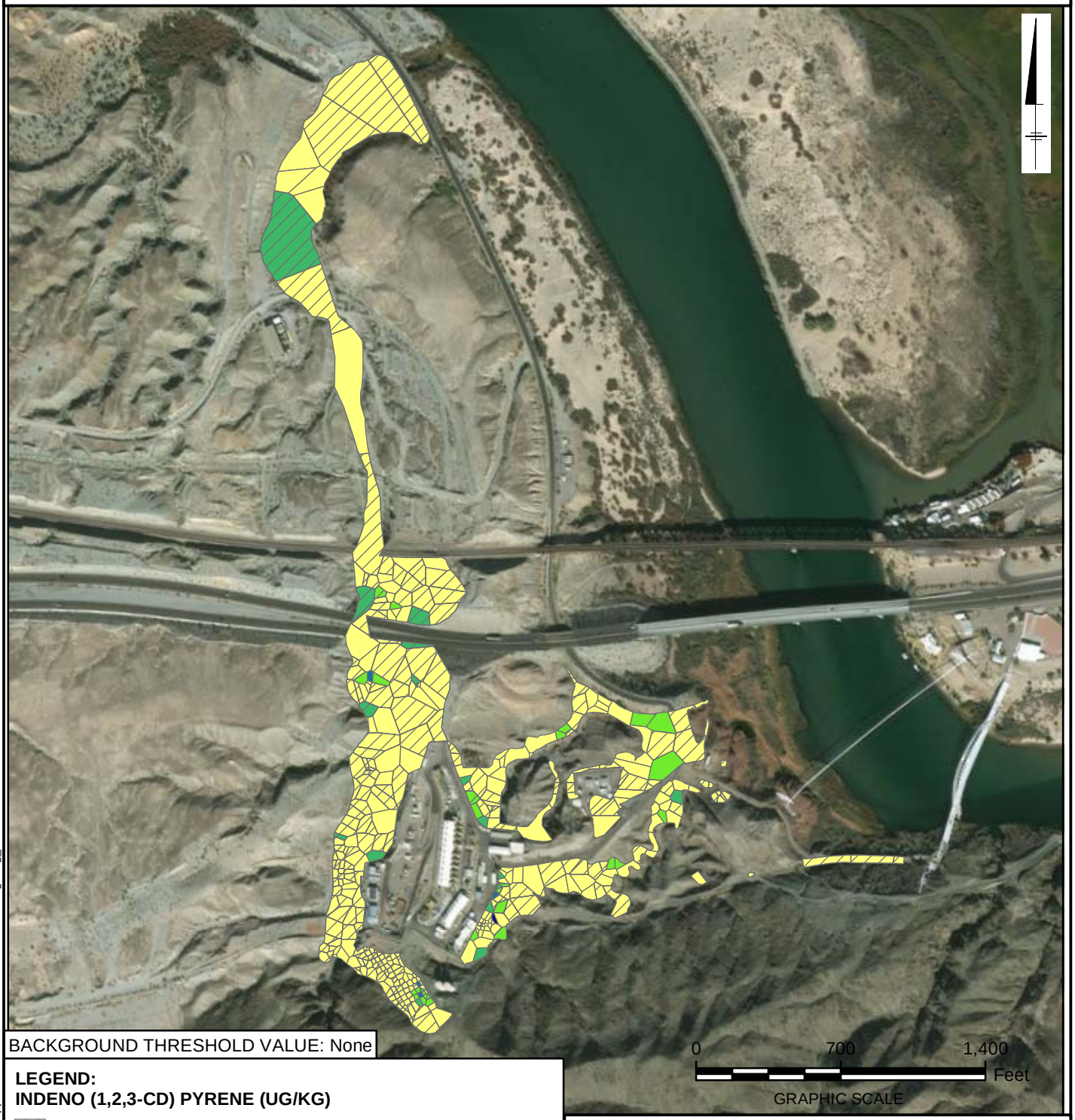
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.135

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 34.30
- ≥34.30 - 110.00
- ≥110.00 - 282.00
- ≥282.00 - 635.00
- ≥635.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

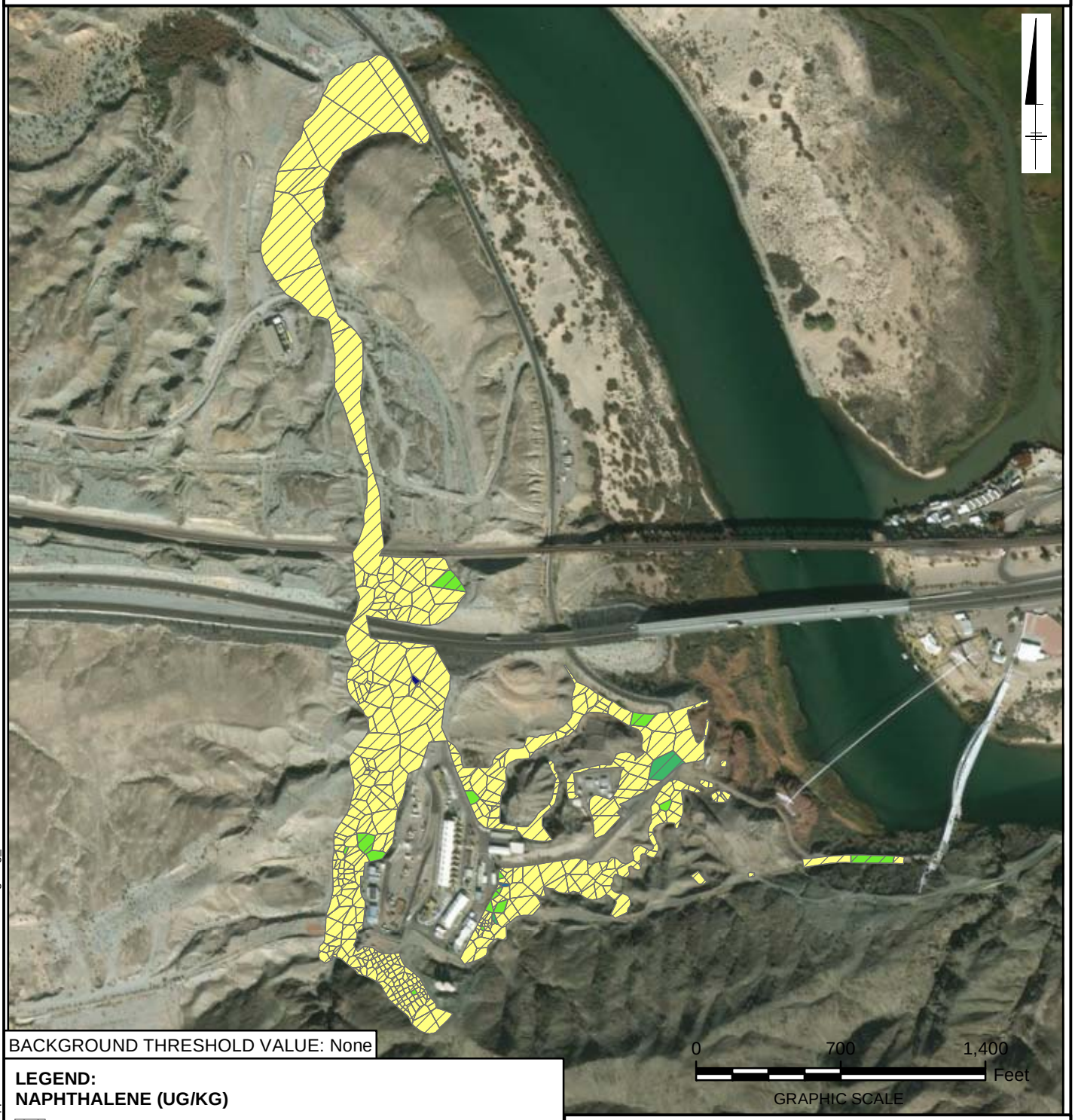
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.136

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.15 - 4.70
- ≥4.70 - 12.80
- ≥12.80 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

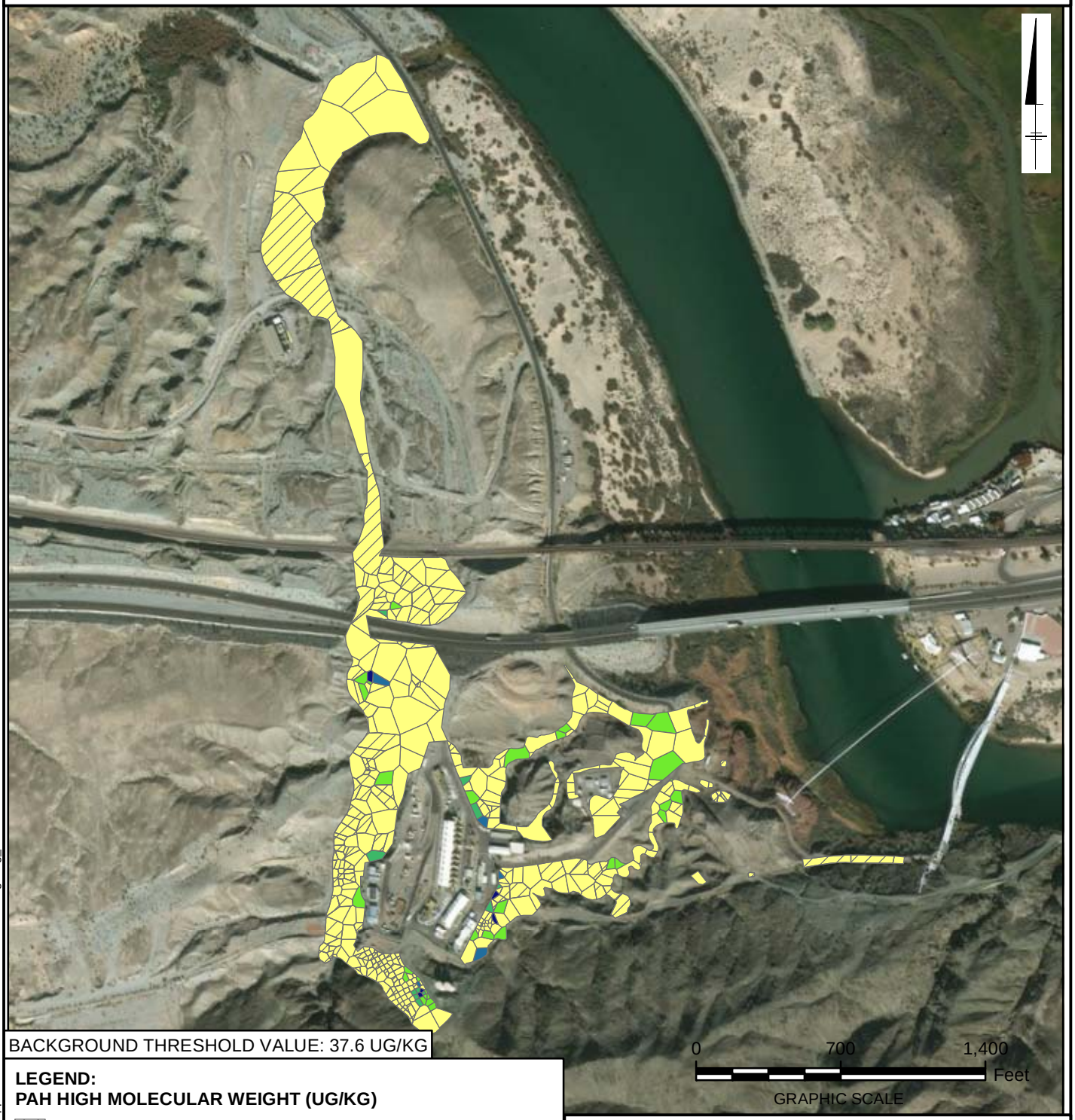
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.137

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 525.00
- ≥525.00 - 1890.00
- ≥1890.00 - 3830.00
- ≥3830.00 - 7200.00
- ≥7200.00 - 13400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

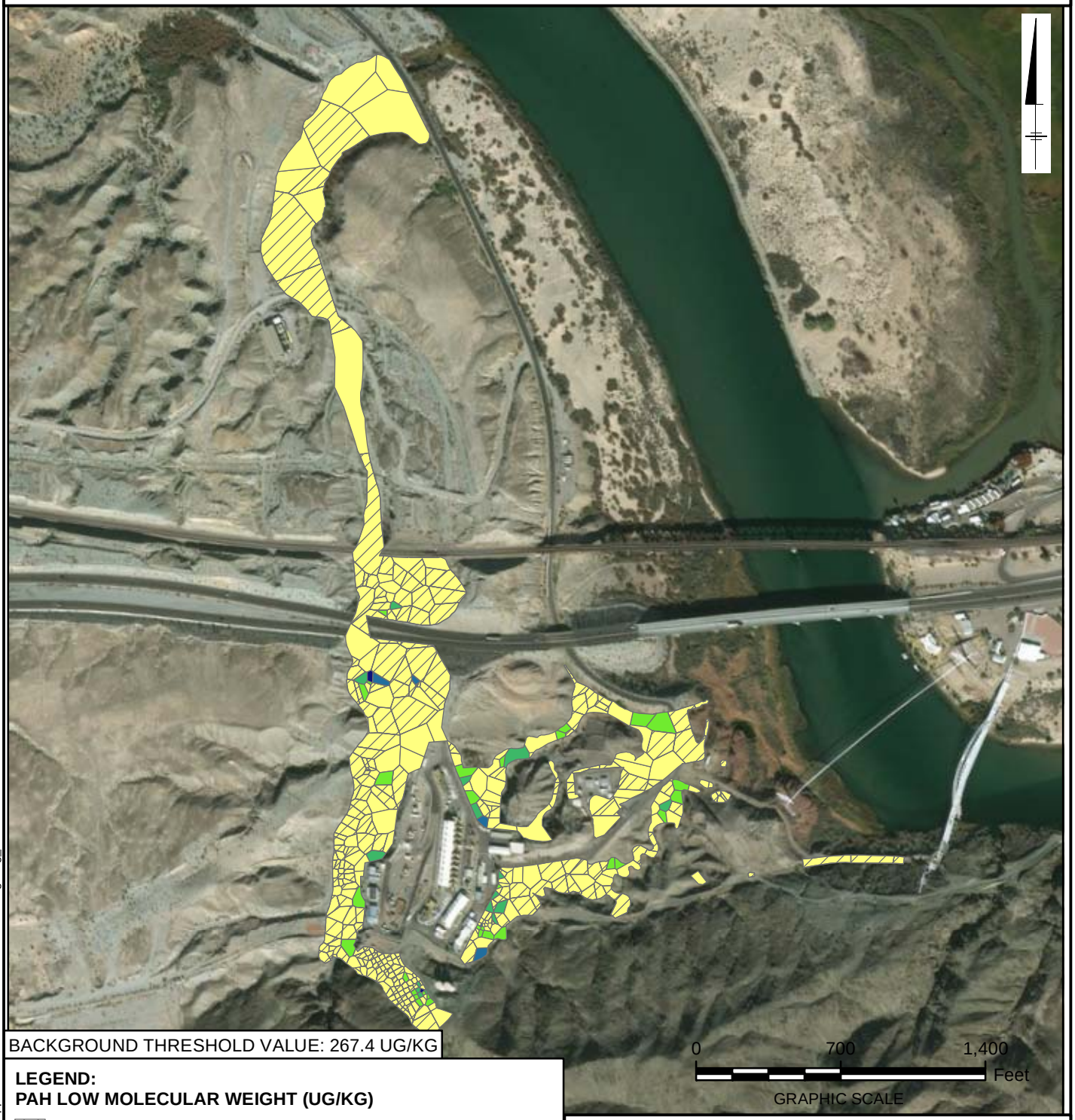
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.13.8

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 32.50
- ≥32.50 - 127.00
- ≥127.00 - 308.00
- ≥308.00 - 686.00
- ≥686.00 - 1340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

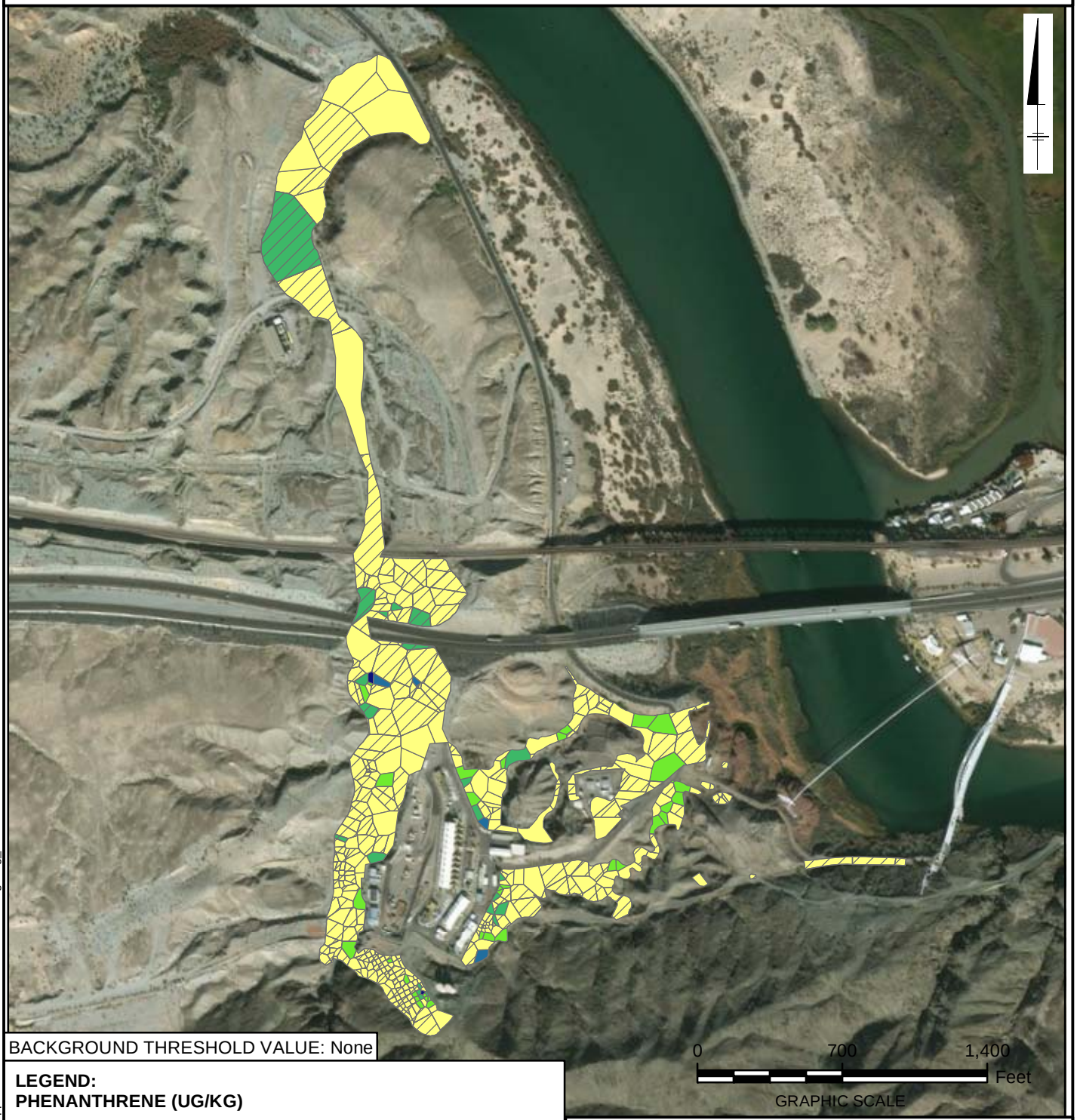
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.139

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 28.00
- ≥28.00 - 110.00
- ≥110.00 - 282.00
- ≥282.00 - 598.00
- ≥598.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

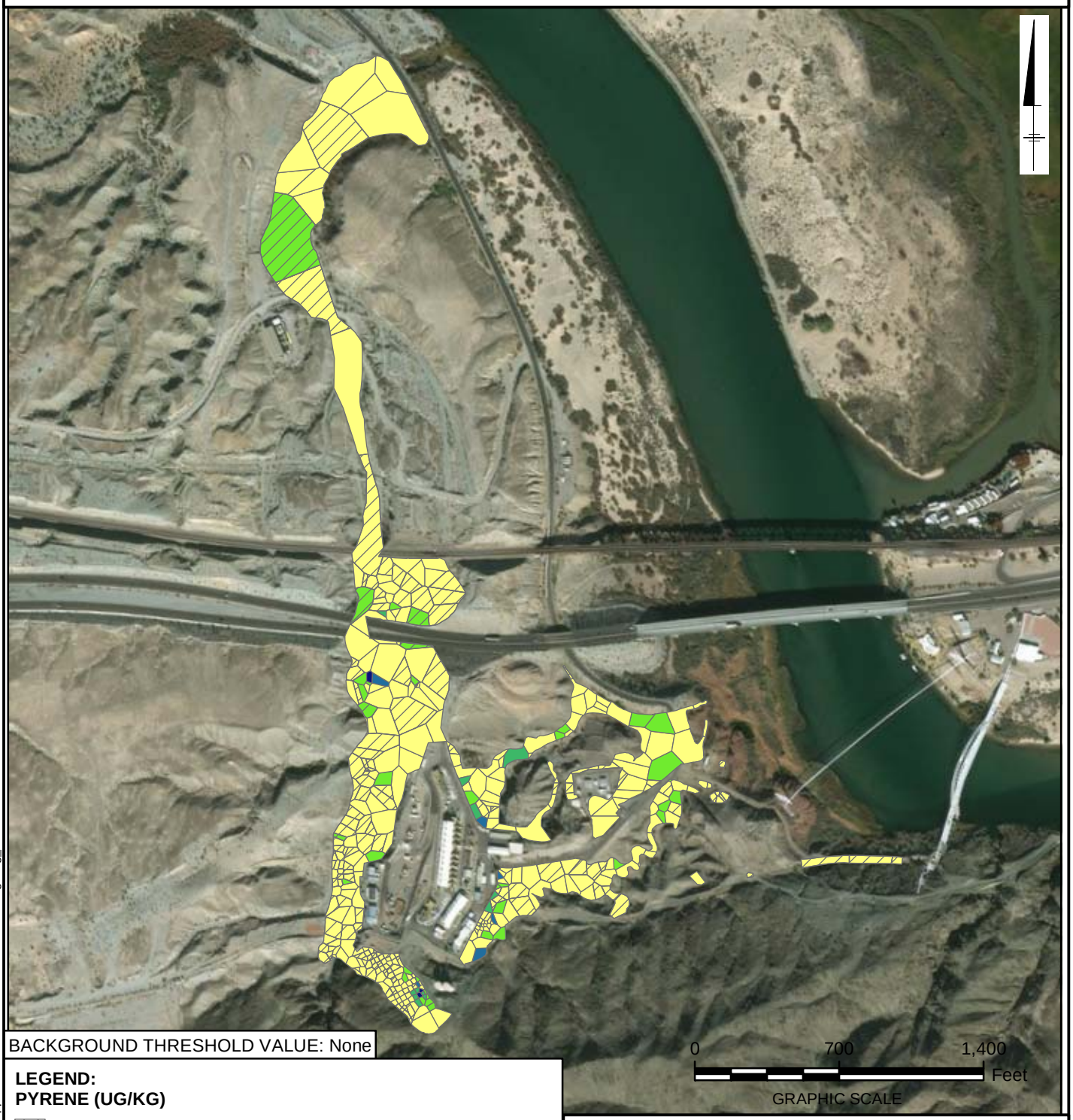
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.140

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 100.00
- ≥100.00 - 360.00
- ≥360.00 - 740.00
- ≥740.00 - 1440.00
- ≥1440.00 - 2500.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

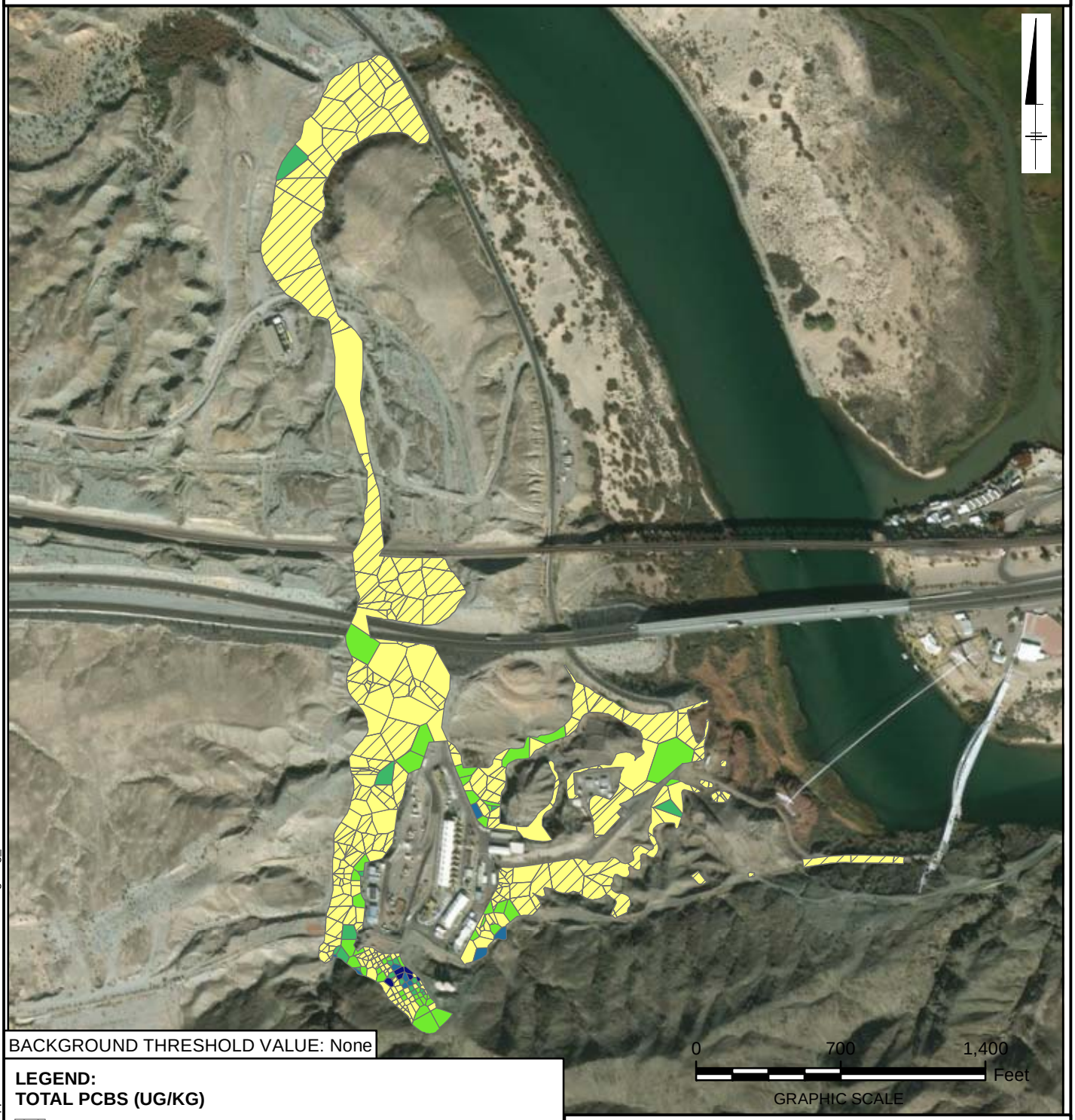
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.141

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 99.30
- ≥99.30 - 286.00
- ≥286.00 - 791.00
- ≥791.00 - 1960.00
- ≥1960.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

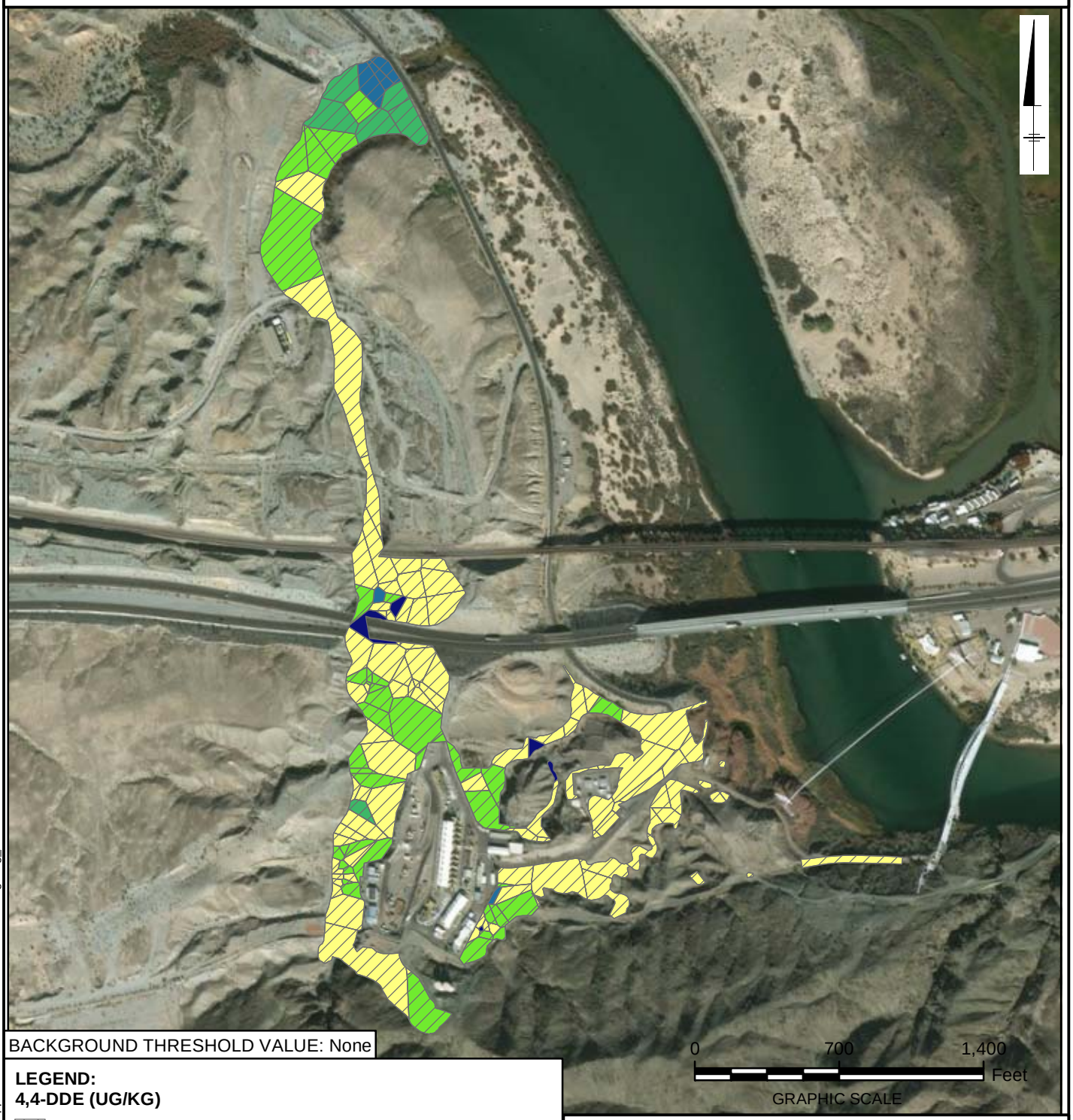
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.142

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
4,4-DDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
4,4-DDE (UG/KG)

- NOT DETECTED
- 1.00 - 1.02
- ≥1.02 - 1.10
- ≥1.10 - 1.24
- ≥1.24 - 1.40
- ≥1.40 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

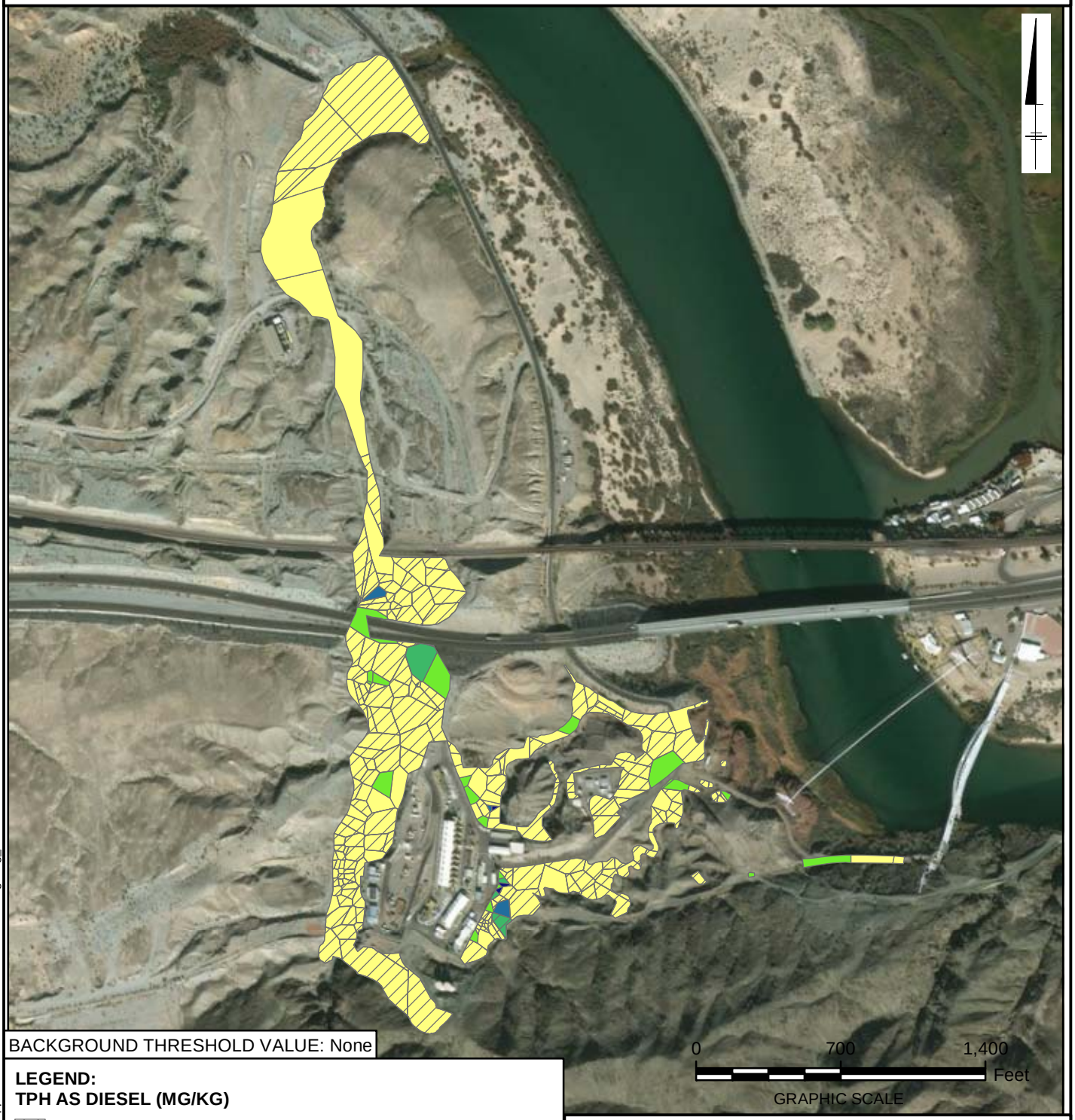
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.143

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 24.90
- ≥24.90 - 77.00
- ≥77.00 - 160.00
- ≥160.00 - 411.00
- ≥411.00 - 1340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

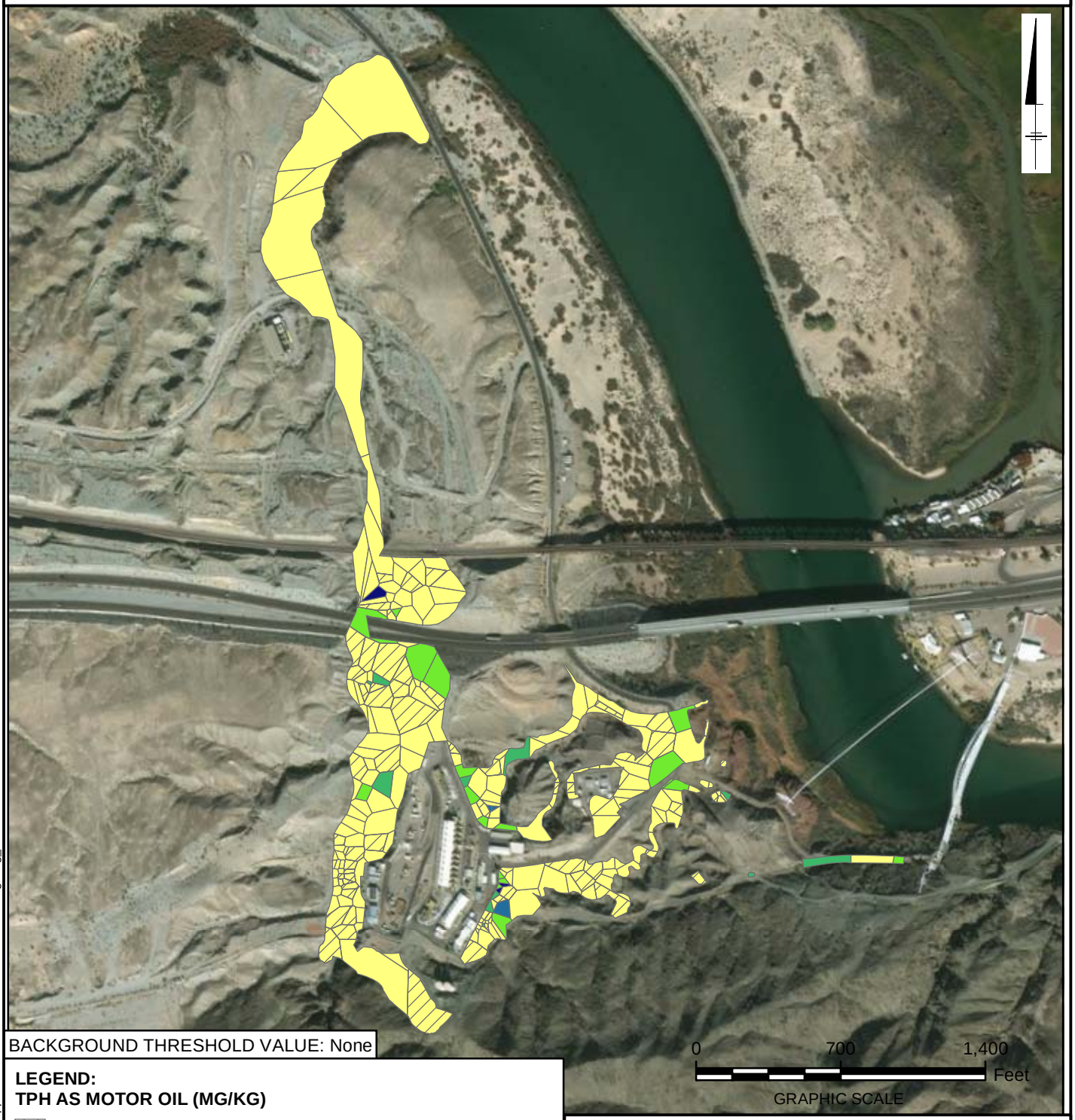
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.144

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 6 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 110.00
- ≥110.00 - 313.00
- ≥313.00 - 641.00
- ≥641.00 - 1290.00
- ≥1290.00 - 2980.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

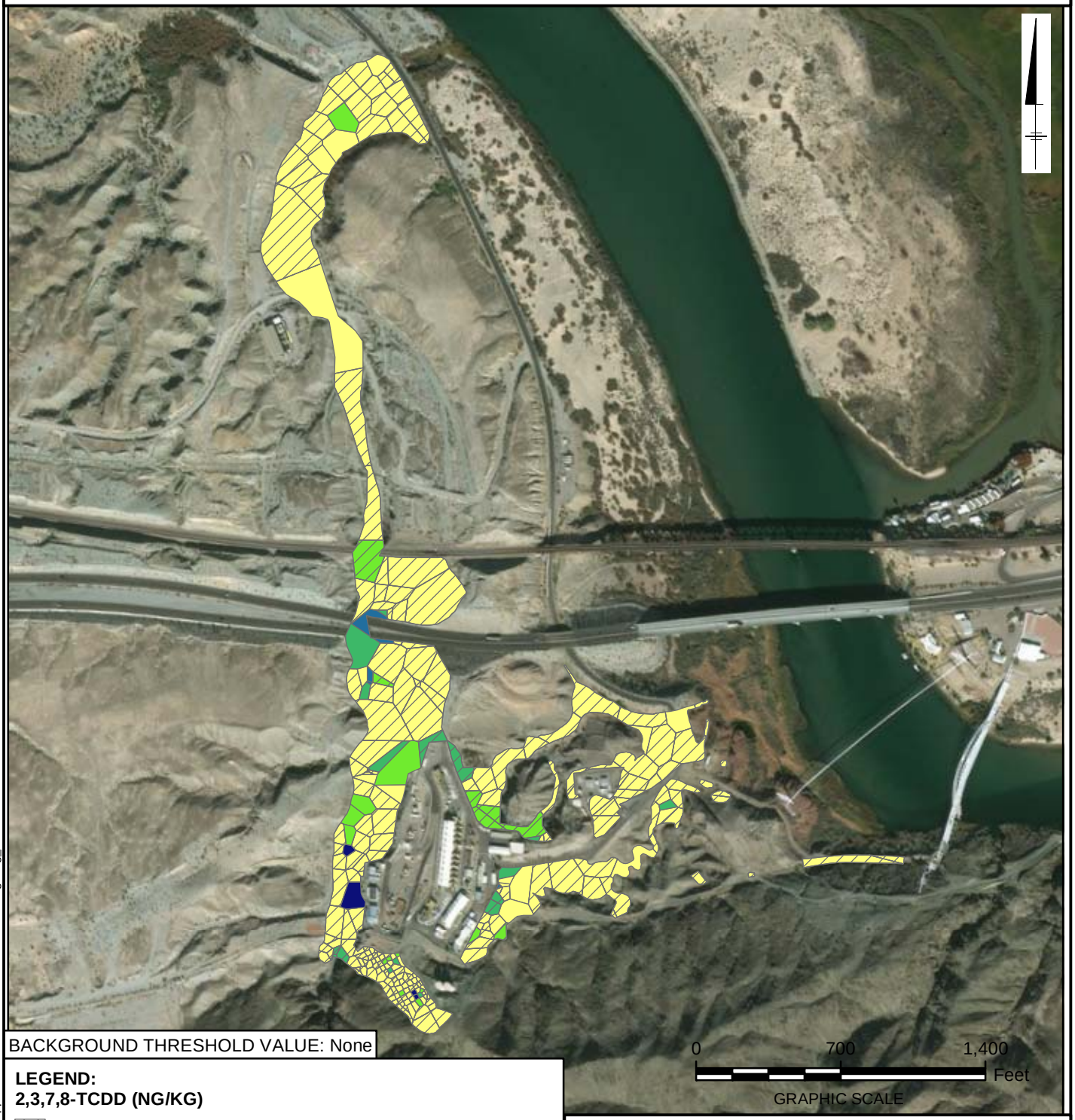
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.145

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.55
- ≥0.55 - 1.54
- ≥1.54 - 3.70
- ≥3.70 - 10.00
- ≥10.00 - 18.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

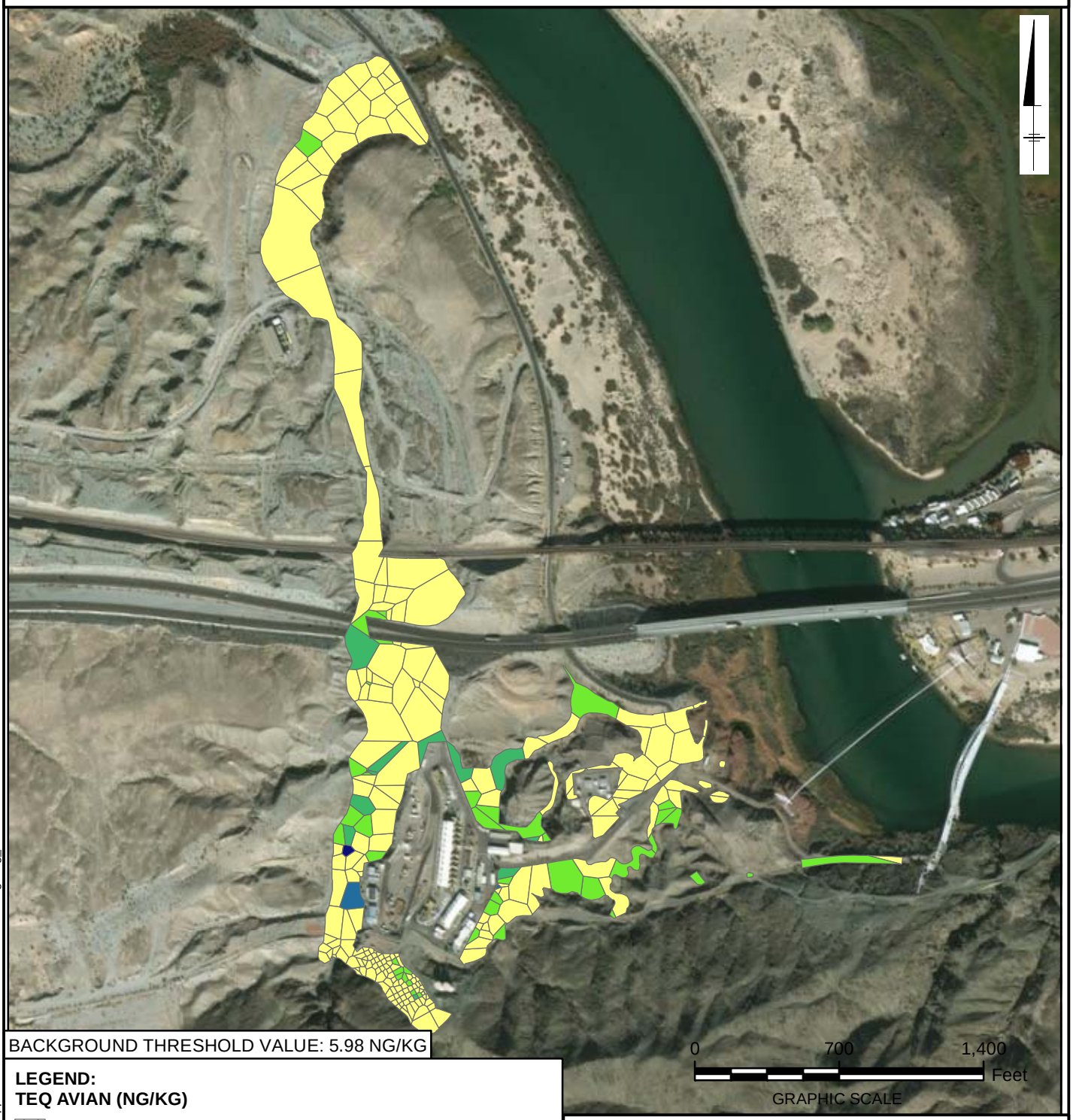
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.146

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 48.00
- ≥48.00 - 160.00
- ≥160.00 - 320.00
- ≥320.00 - 1100.00
- ≥1100.00 - 2200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

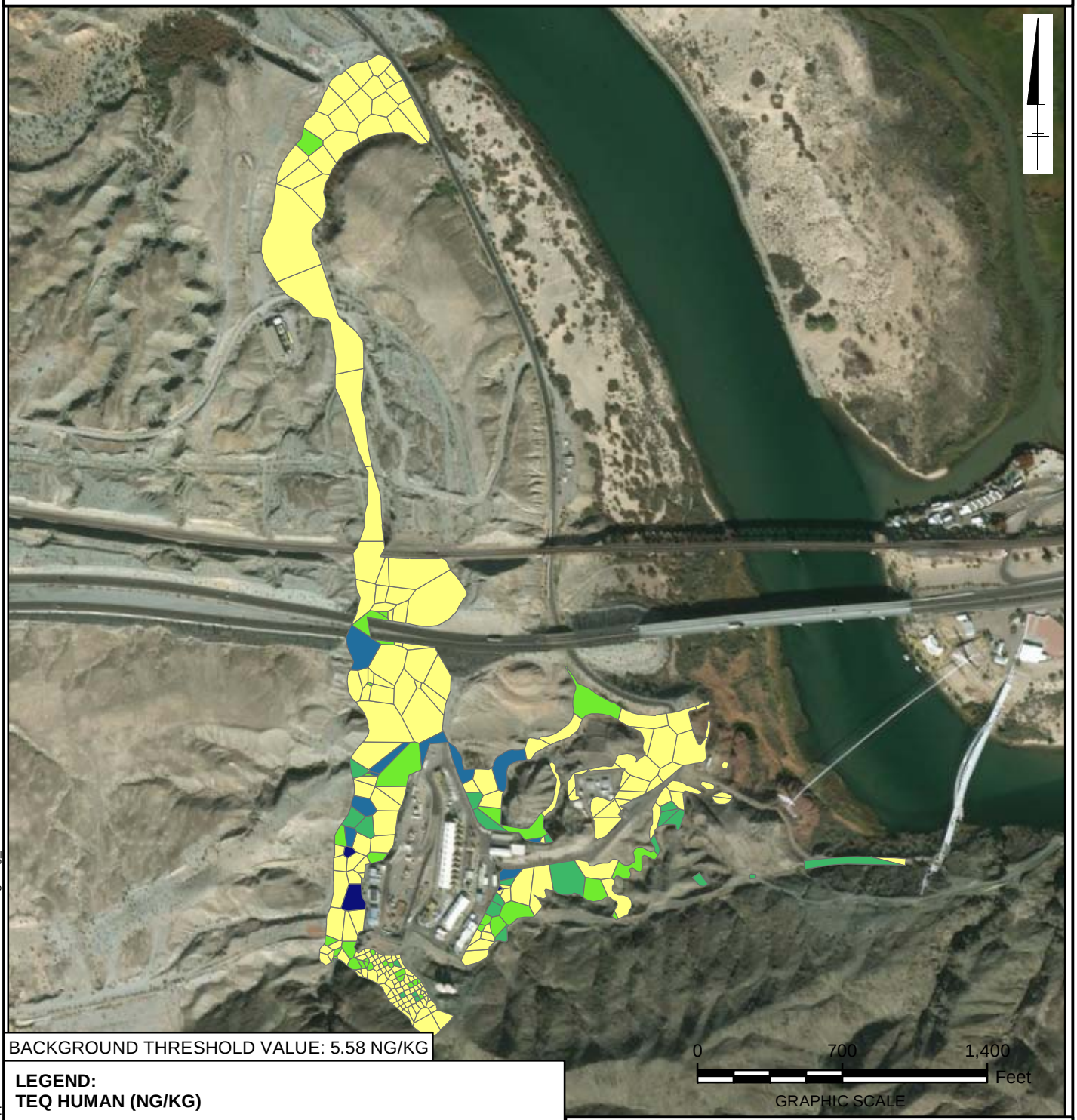
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.147

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 37.10
- ≥37.10 - 114.00
- ≥114.00 - 280.00
- ≥280.00 - 580.00
- ≥580.00 - 2410.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

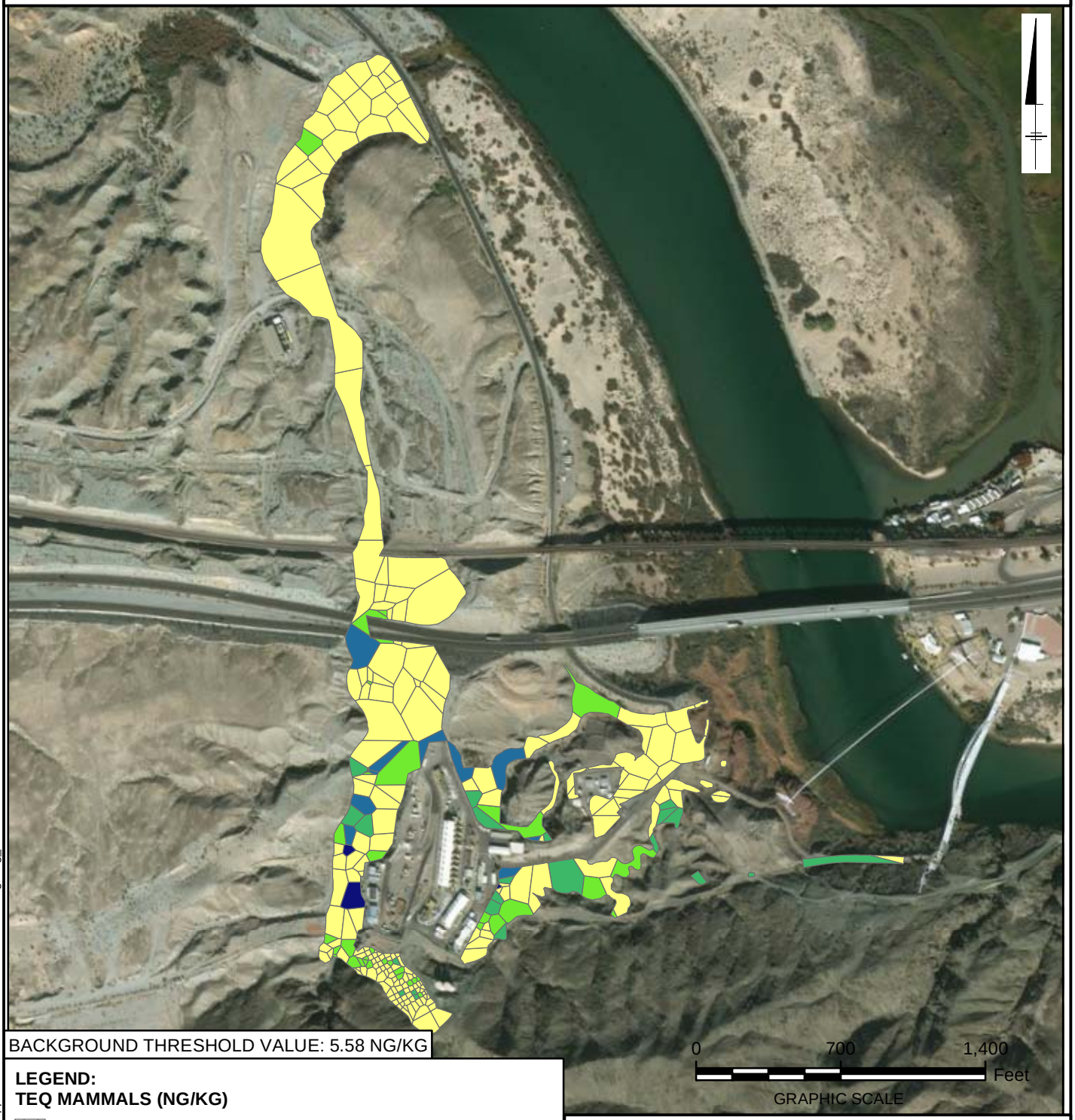
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.148

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 37.10
- ≥37.10 - 114.00
- ≥114.00 - 280.00
- ≥280.00 - 580.00
- ≥580.00 - 2410.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

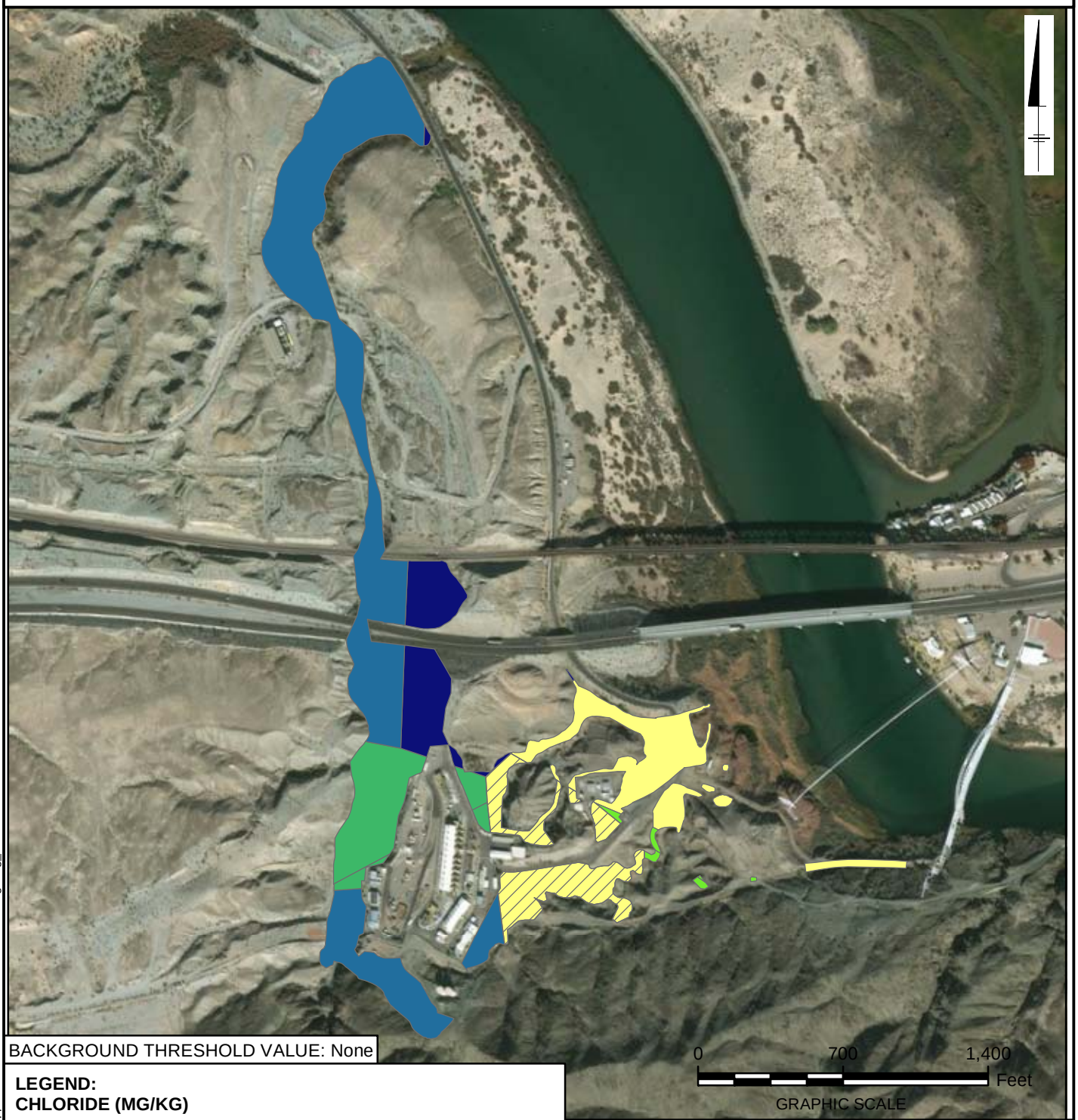
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.149

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
CHLORIDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHLORIDE (MG/KG)

- NOT DETECTED
- 2.00 - 3.70
- ≥3.70 - 7.00
- ≥7.00 - 46.00
- ≥46.00 - 227.00
- ≥227.00 - 3010.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

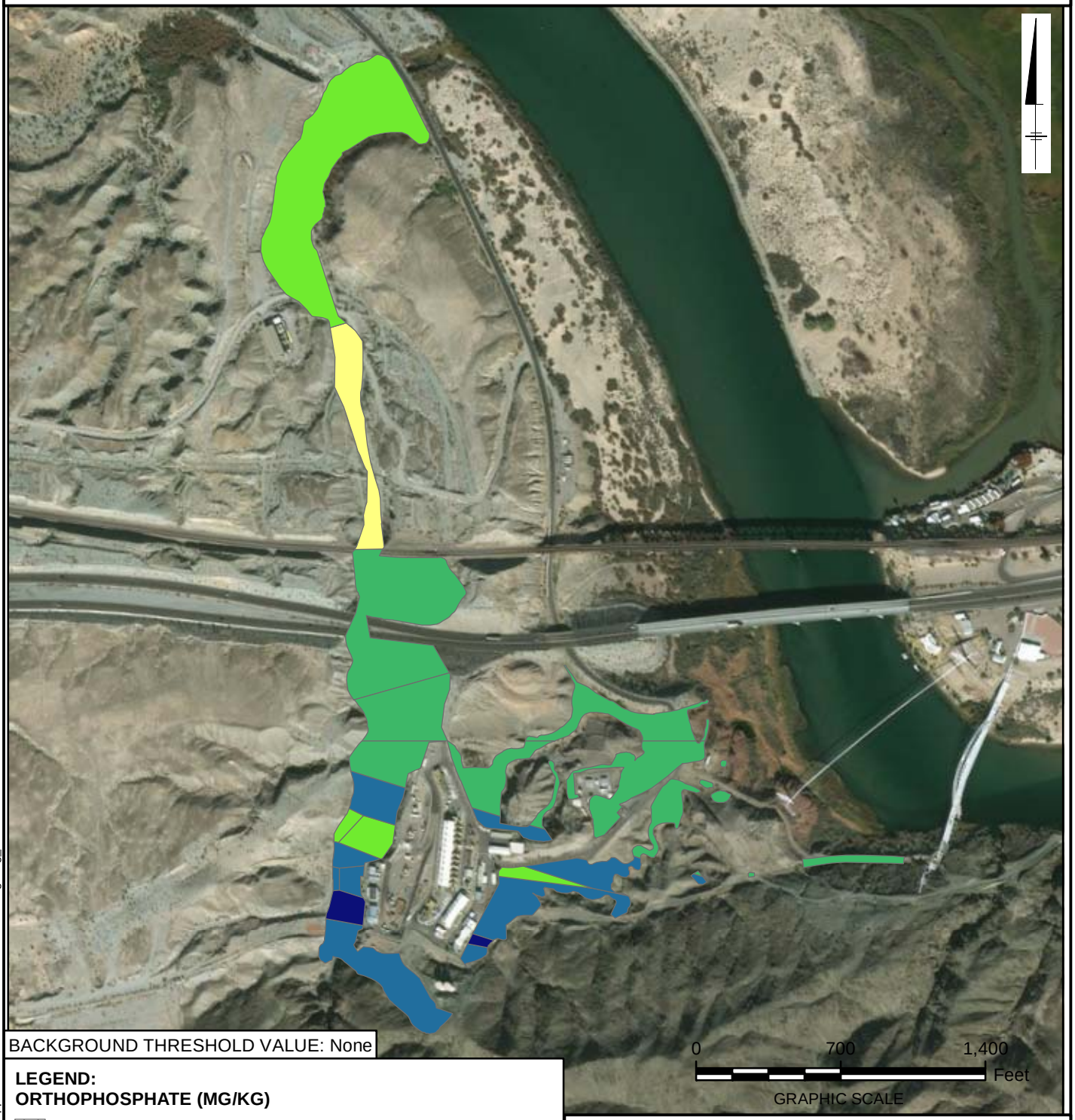
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.150

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ORTHOPHOSPHATE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ORTHOPHOSPHATE (MG/KG)

- NOT DETECTED
- 204.00 - 204.00
- ≥204.00 - 265.00
- ≥265.00 - 299.00
- ≥299.00 - 327.00
- ≥327.00 - 359.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

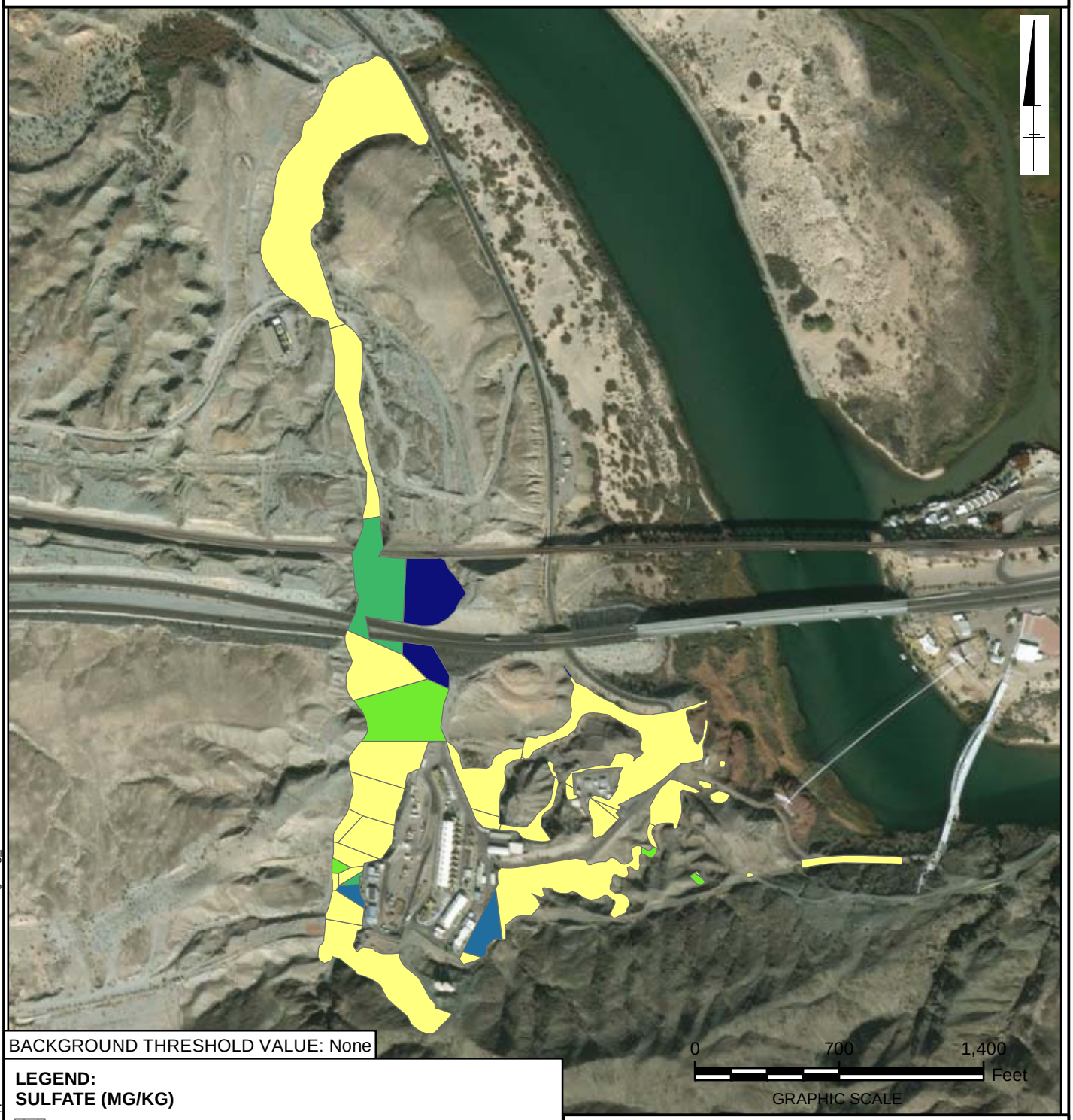
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.151

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
SULFATE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
SULFATE (MG/KG)

- NOT DETECTED
- 7.30 - 22.00
- ≥22.00 - 53.00
- ≥53.00 - 585.00
- ≥585.00 - 1010.00
- ≥1010.00 - 1630.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

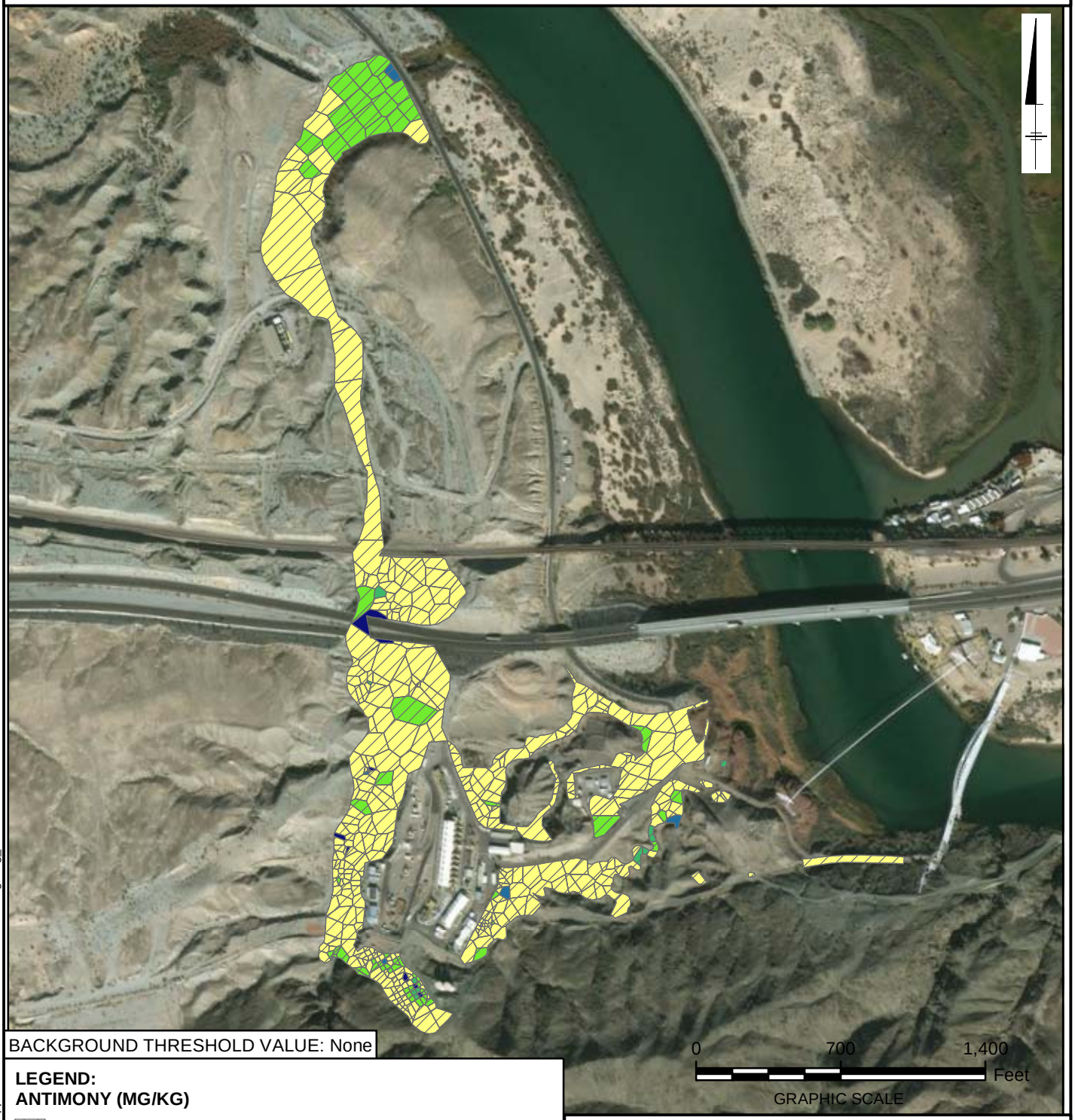
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.152

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 0.20 - 1.07
- ≥1.07 - 1.54
- ≥1.54 - 2.50
- ≥2.50 - 3.80
- ≥3.80 - 7.75

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

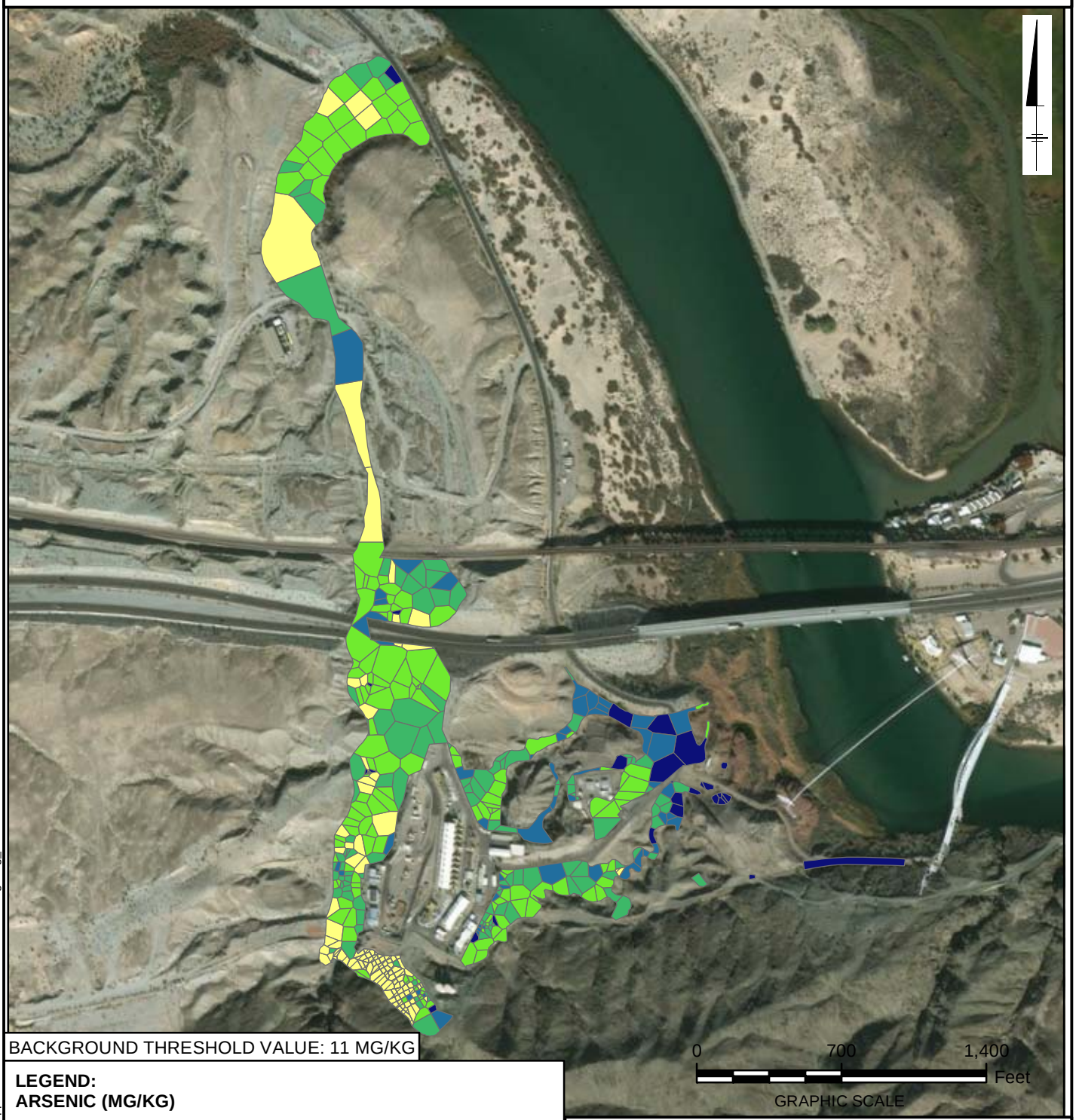
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.153

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.83
- ≥1.83 - 3.61
- ≥3.61 - 5.35
- ≥5.35 - 8.08
- ≥8.08 - 19.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

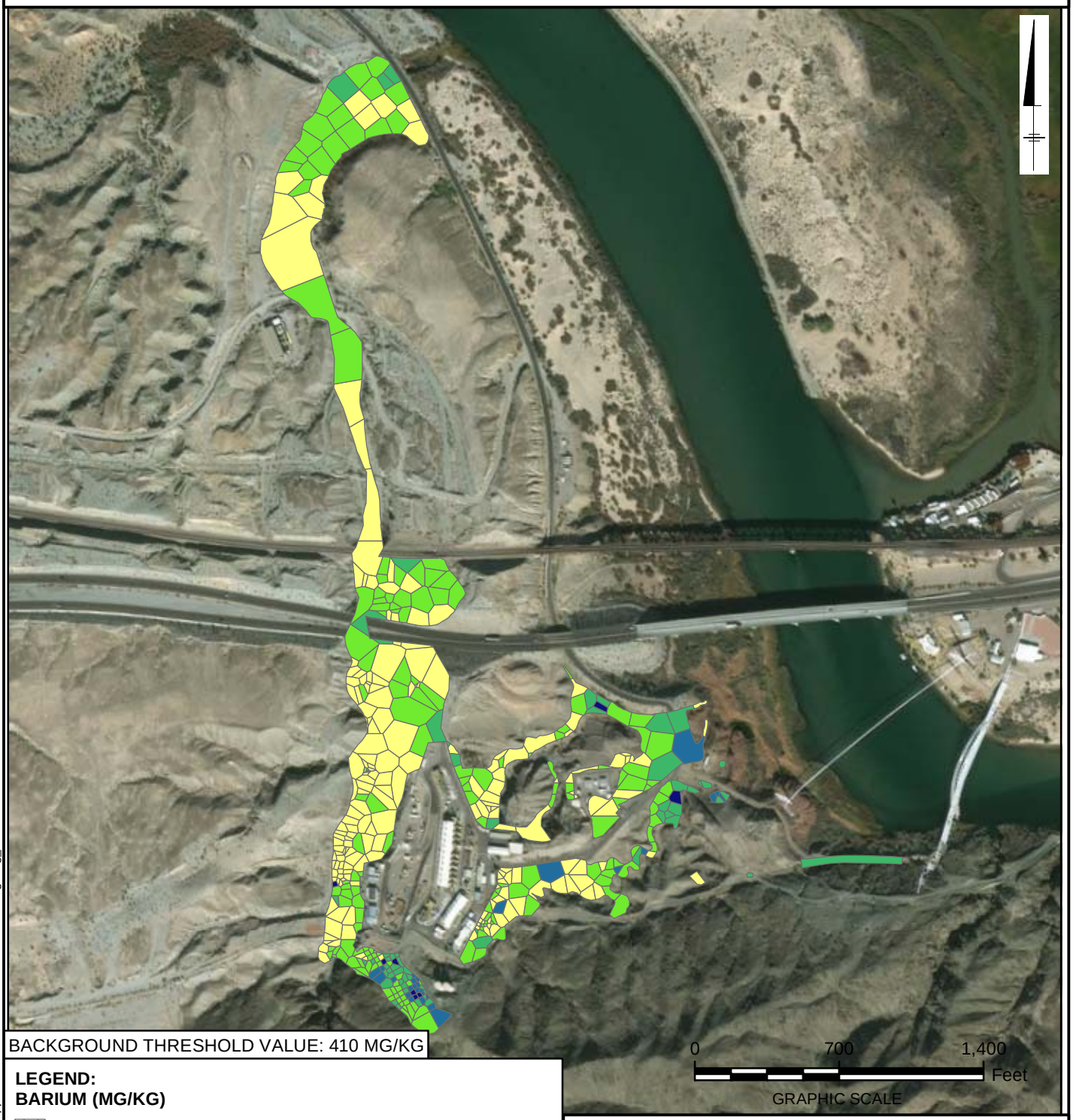
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.154

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 22.00 - 121.00
- ≥121.00 - 192.00
- ≥192.00 - 330.00
- ≥330.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

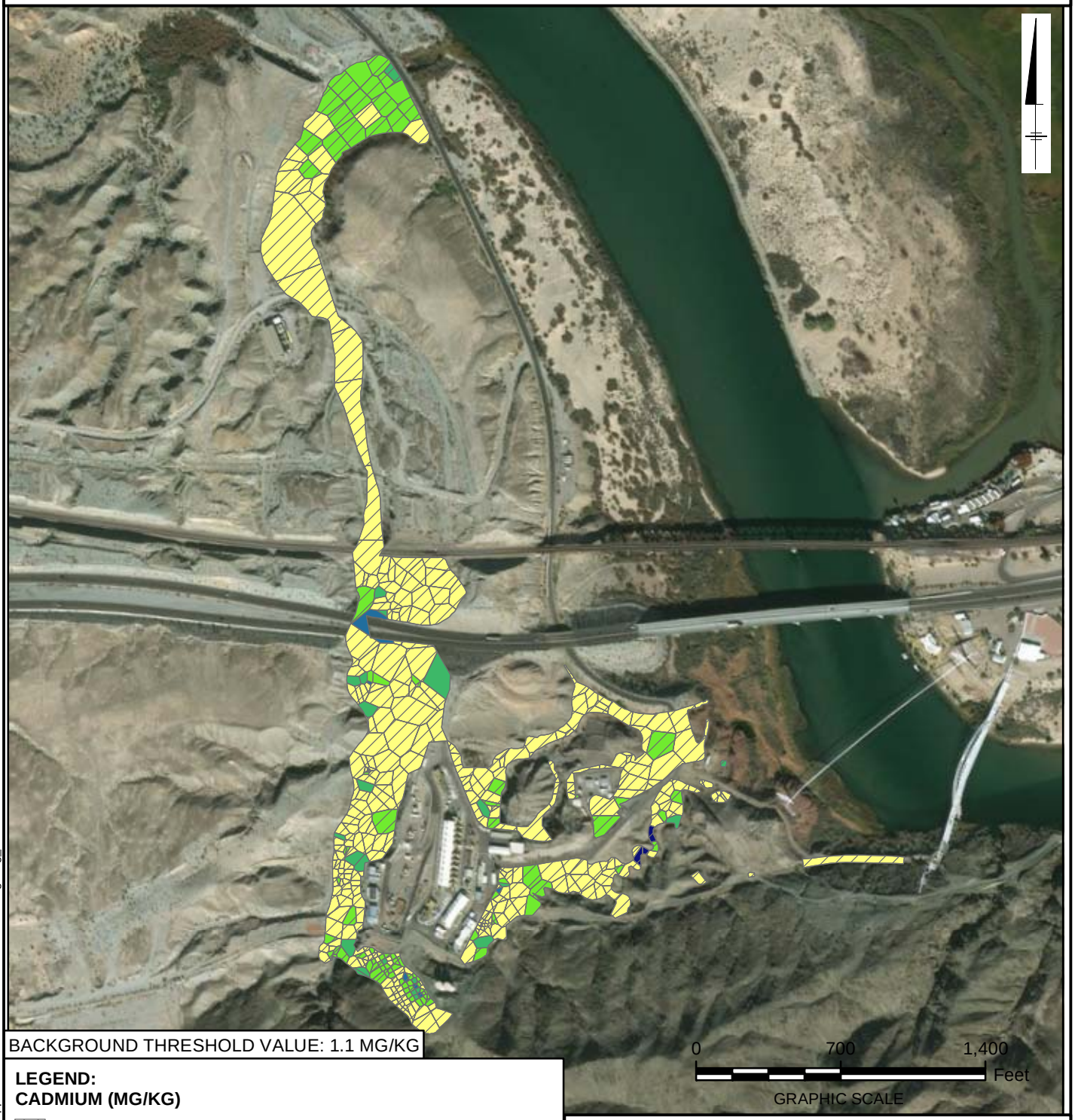
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.155

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.30 - 0.54
- ≥0.54 - 0.80
- ≥0.80 - 1.80
- ≥1.80 - 2.75
- ≥2.75 - 4.90

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

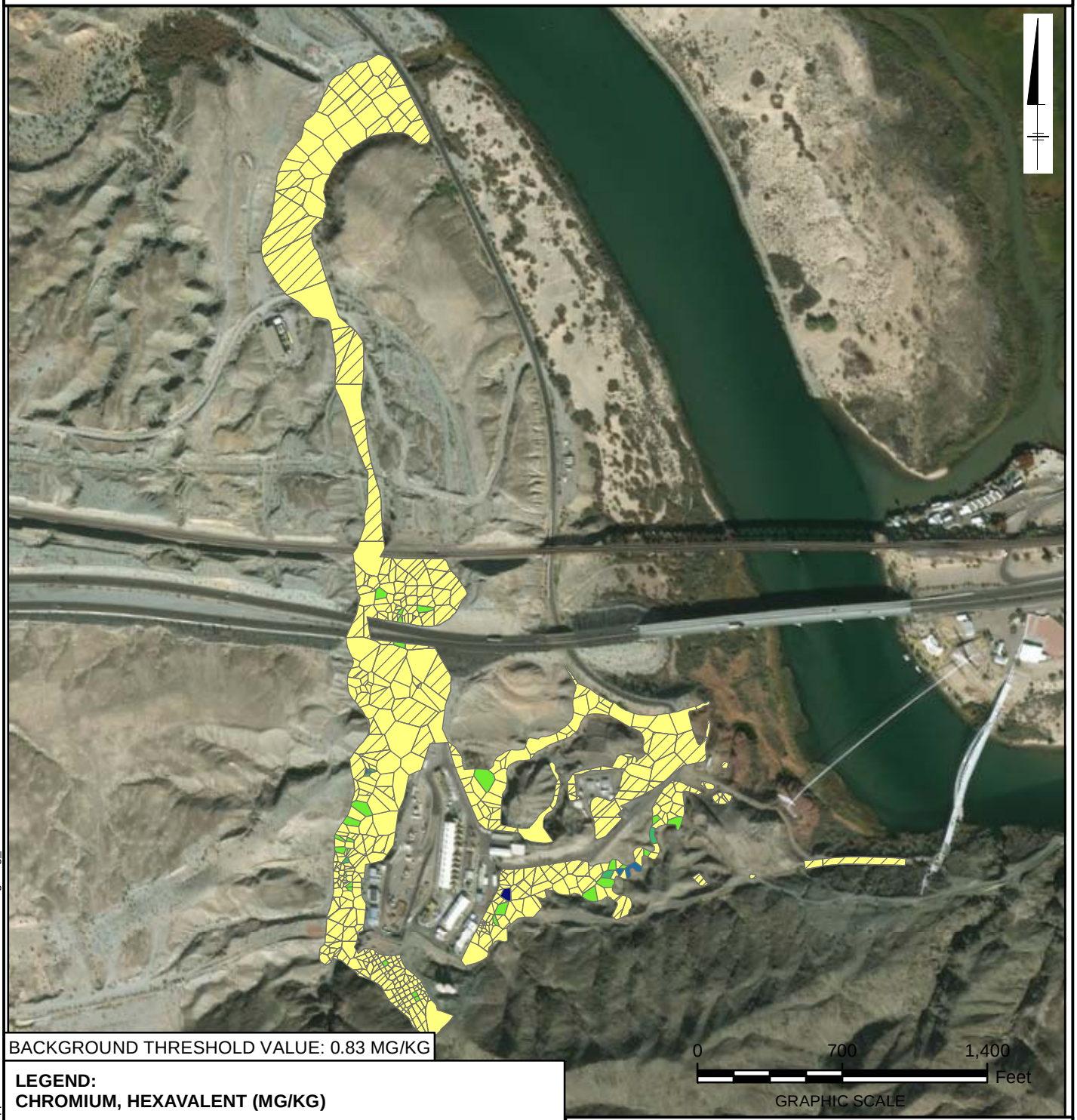
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.156

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.03 - 4.80
- ≥4.80 - 16.00
- ≥16.00 - 47.50
- ≥47.50 - 150.00
- ≥150.00 - 550.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

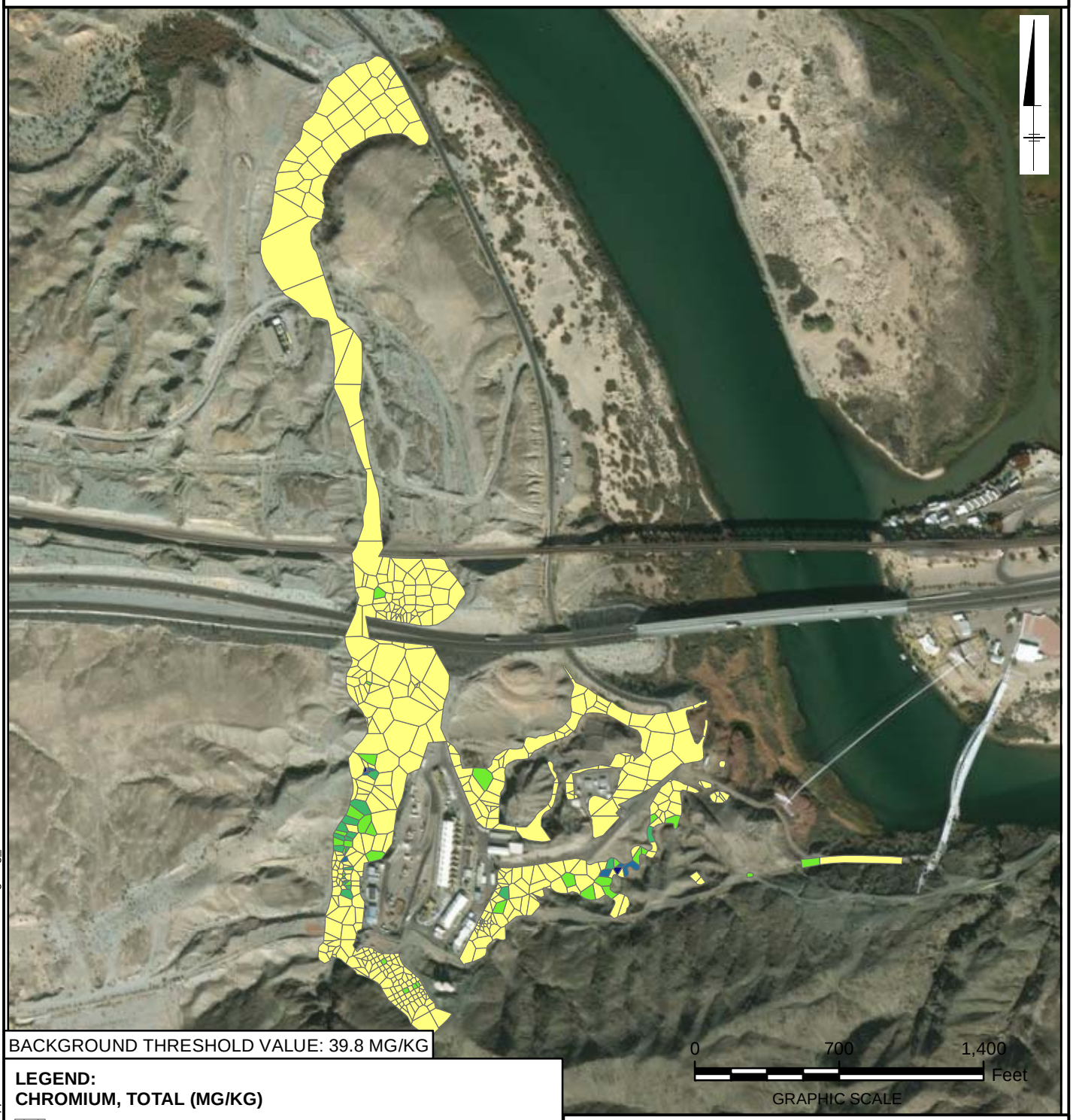
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.157

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 2.90 - 123.00
- ≥123.00 - 398.00
- ≥398.00 - 1310.00
- ≥1310.00 - 2740.00
- ≥2740.00 - 4400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

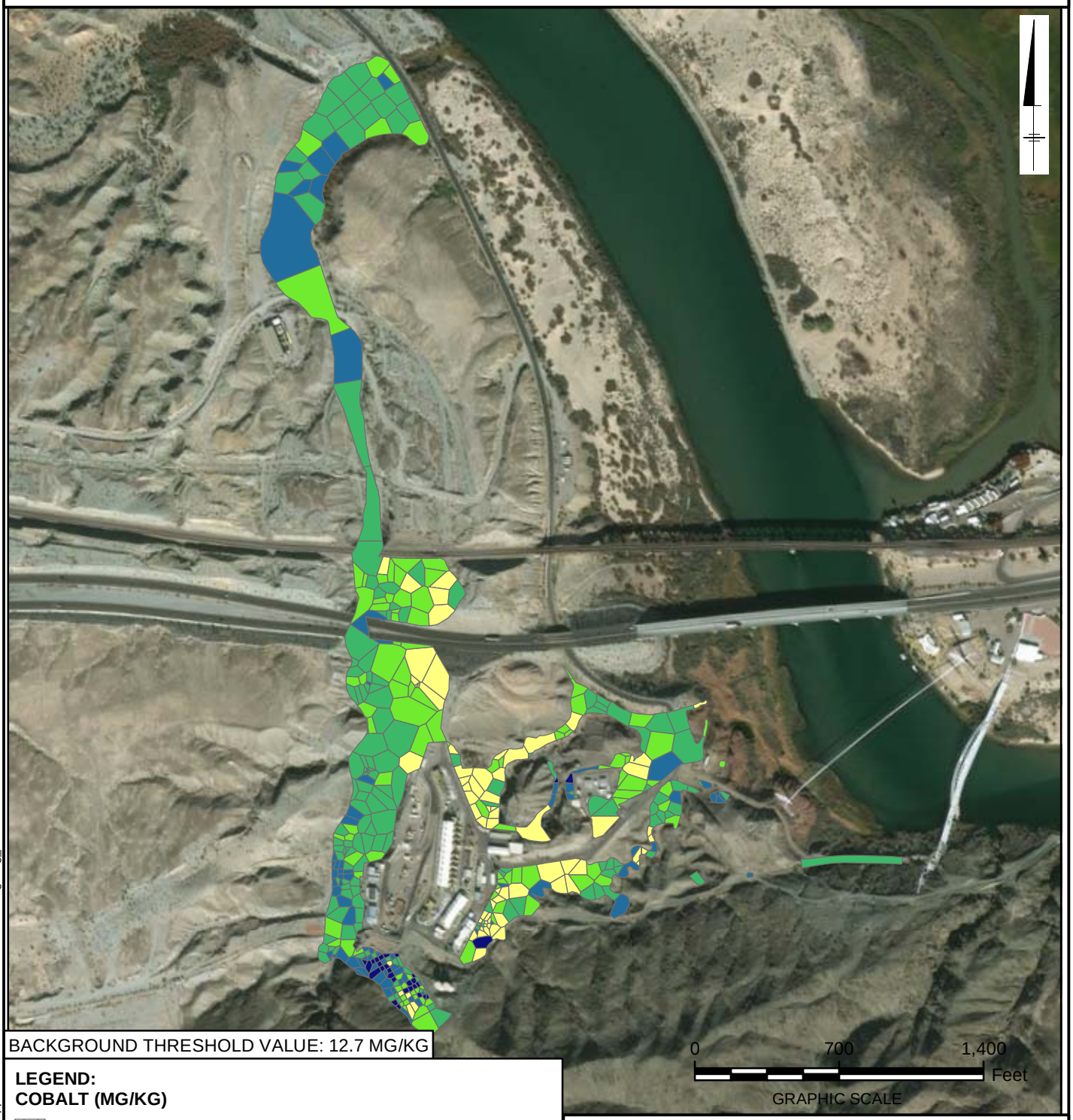
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.158

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 1.70 - 5.10
- ≥5.10 - 7.02
- ≥7.02 - 8.73
- ≥8.73 - 11.60
- ≥11.60 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

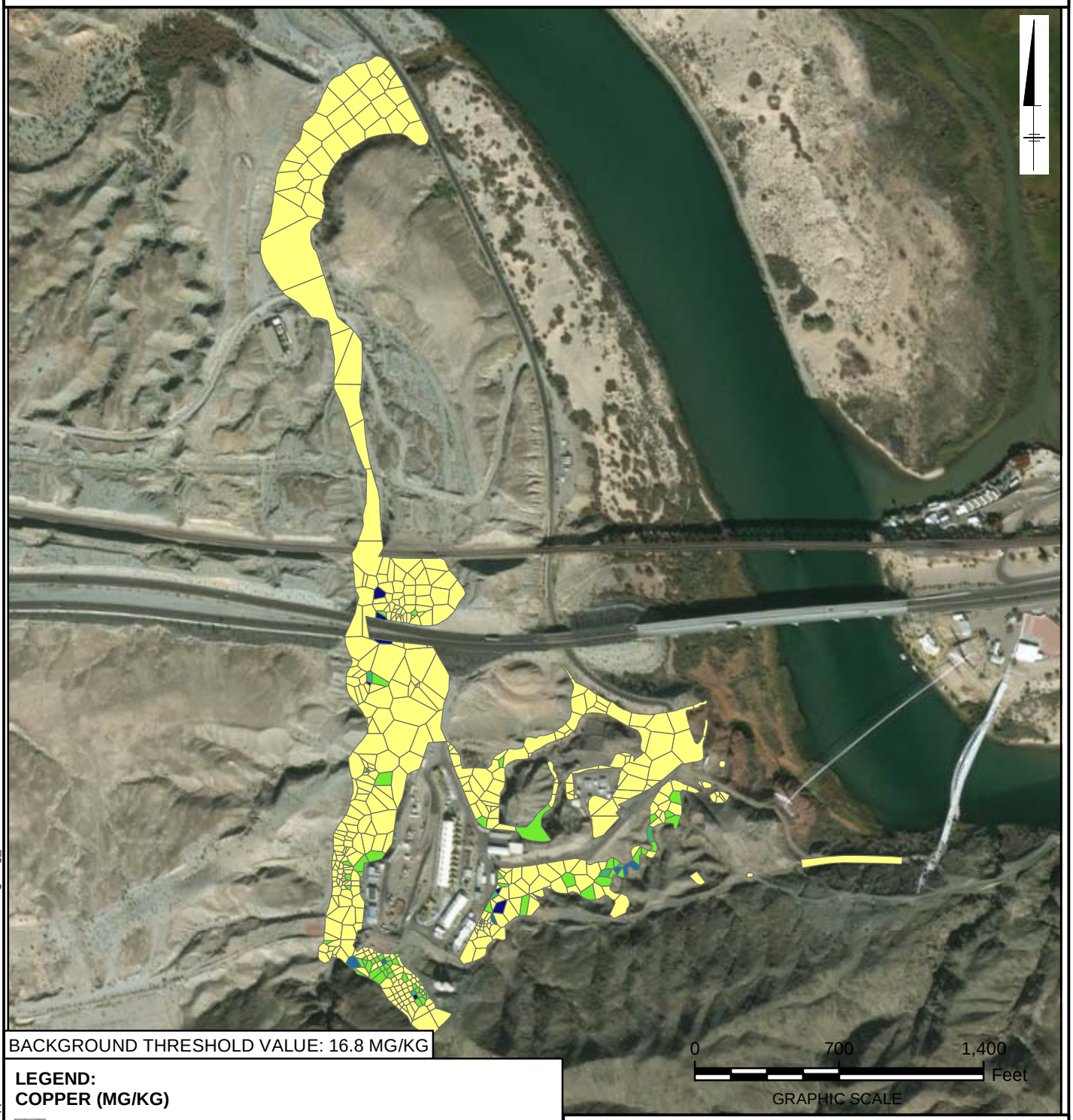
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.159

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 1.00 - 22.50
- ≥22.50 - 81.00
- ≥81.00 - 177.00
- ≥177.00 - 300.00
- ≥300.00 - 790.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

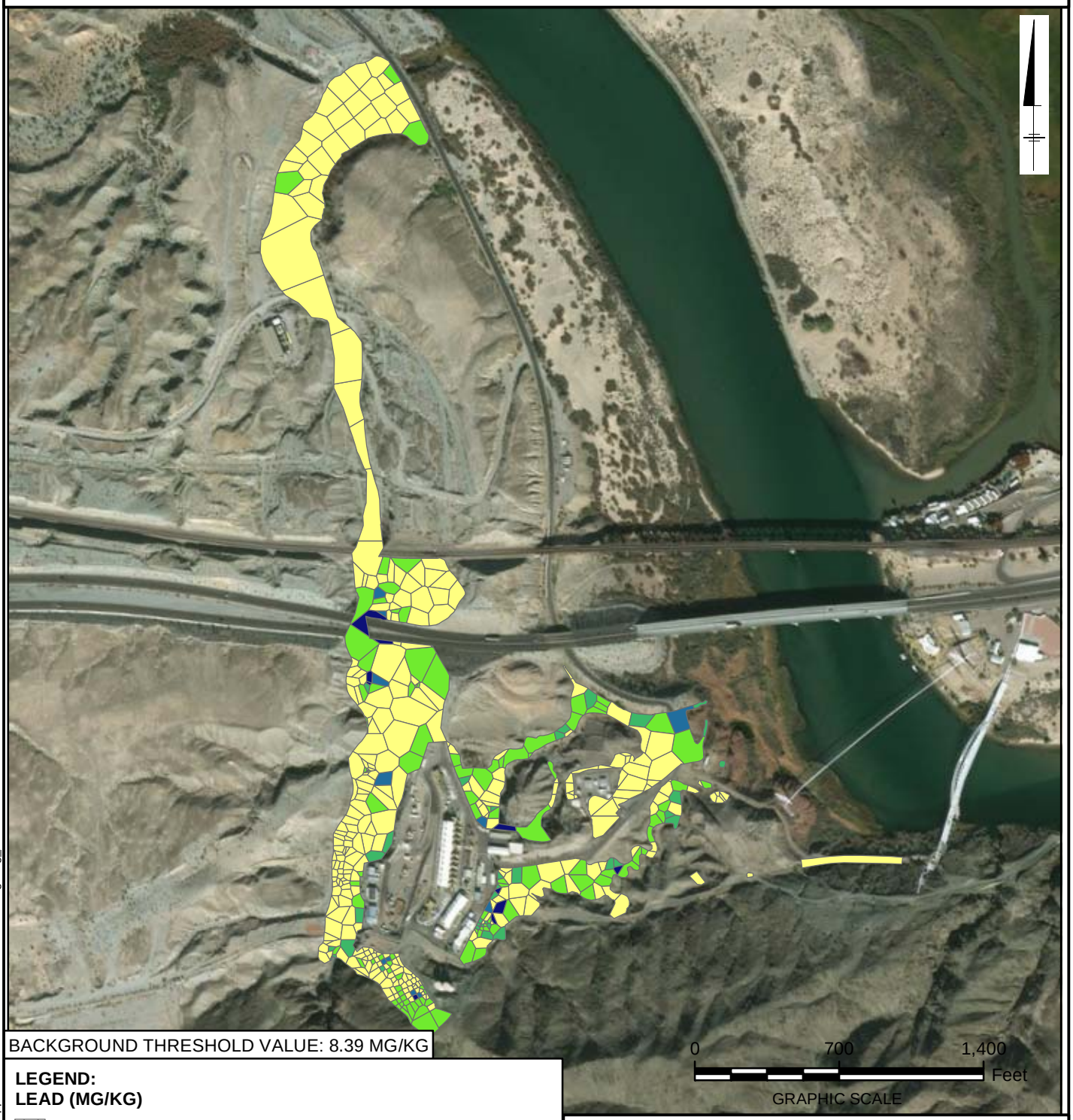
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.160

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.50 - 6.69
- ≥6.69 - 14.50
- ≥14.50 - 32.00
- ≥32.00 - 96.00
- ≥96.00 - 484.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

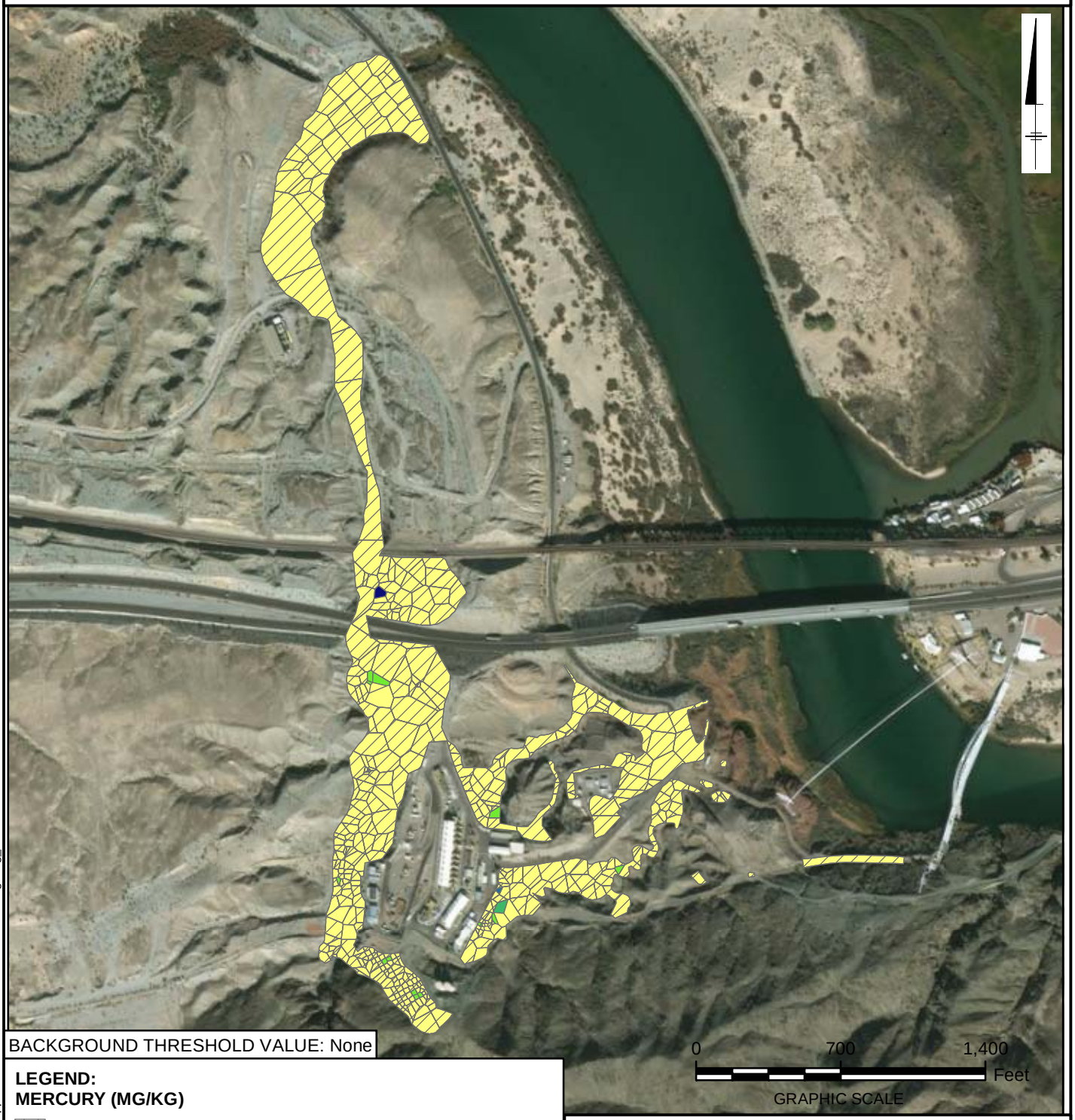
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.161

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.18
- ≥0.18 - 0.64
- ≥0.64 - 2.59
- ≥2.59 - 7.04
- ≥7.04 - 71.90

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

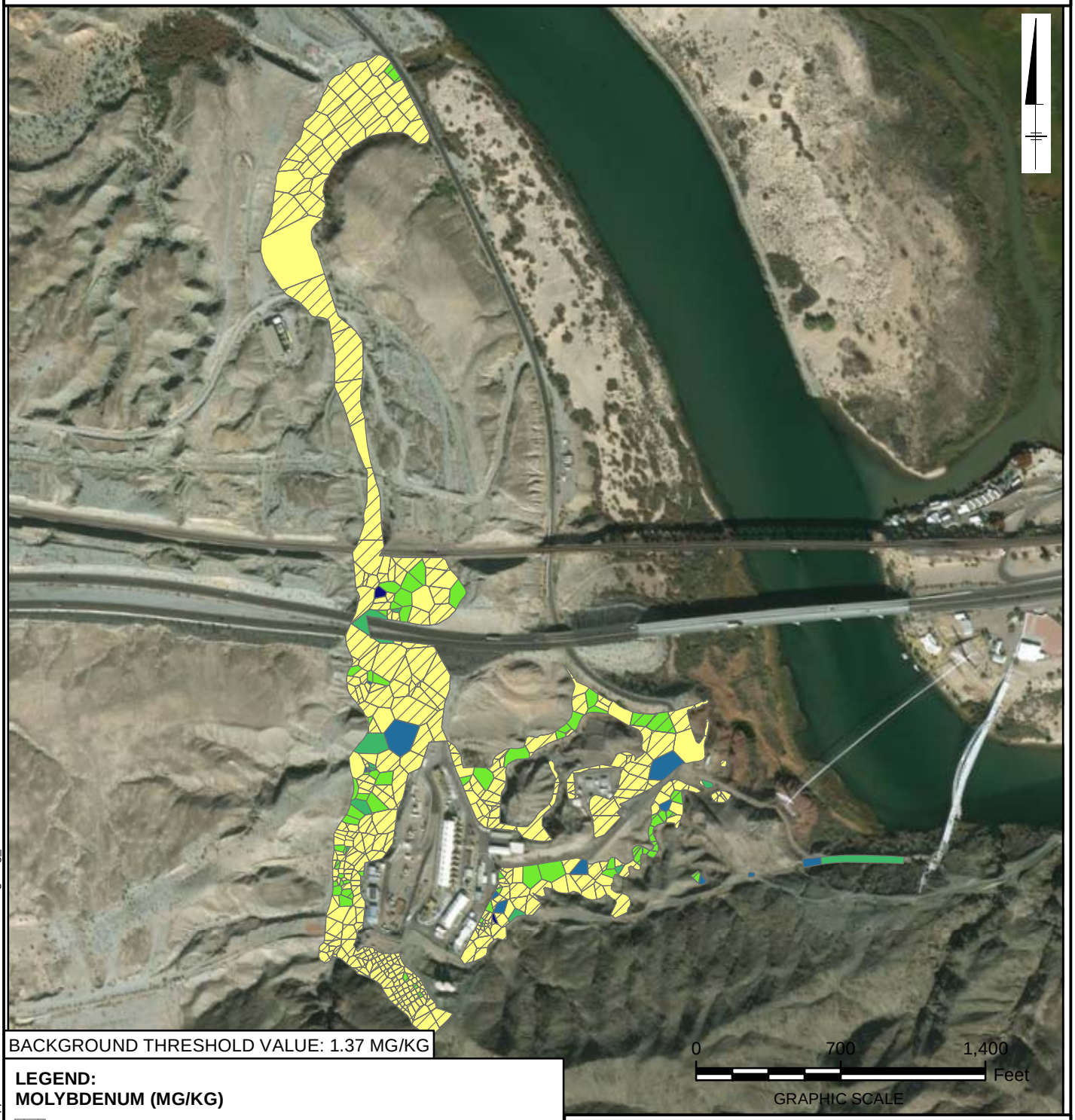
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.162

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.07 - 1.12
- ≥1.12 - 2.75
- ≥2.75 - 5.80
- ≥5.80 - 13.00
- ≥13.00 - 22.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

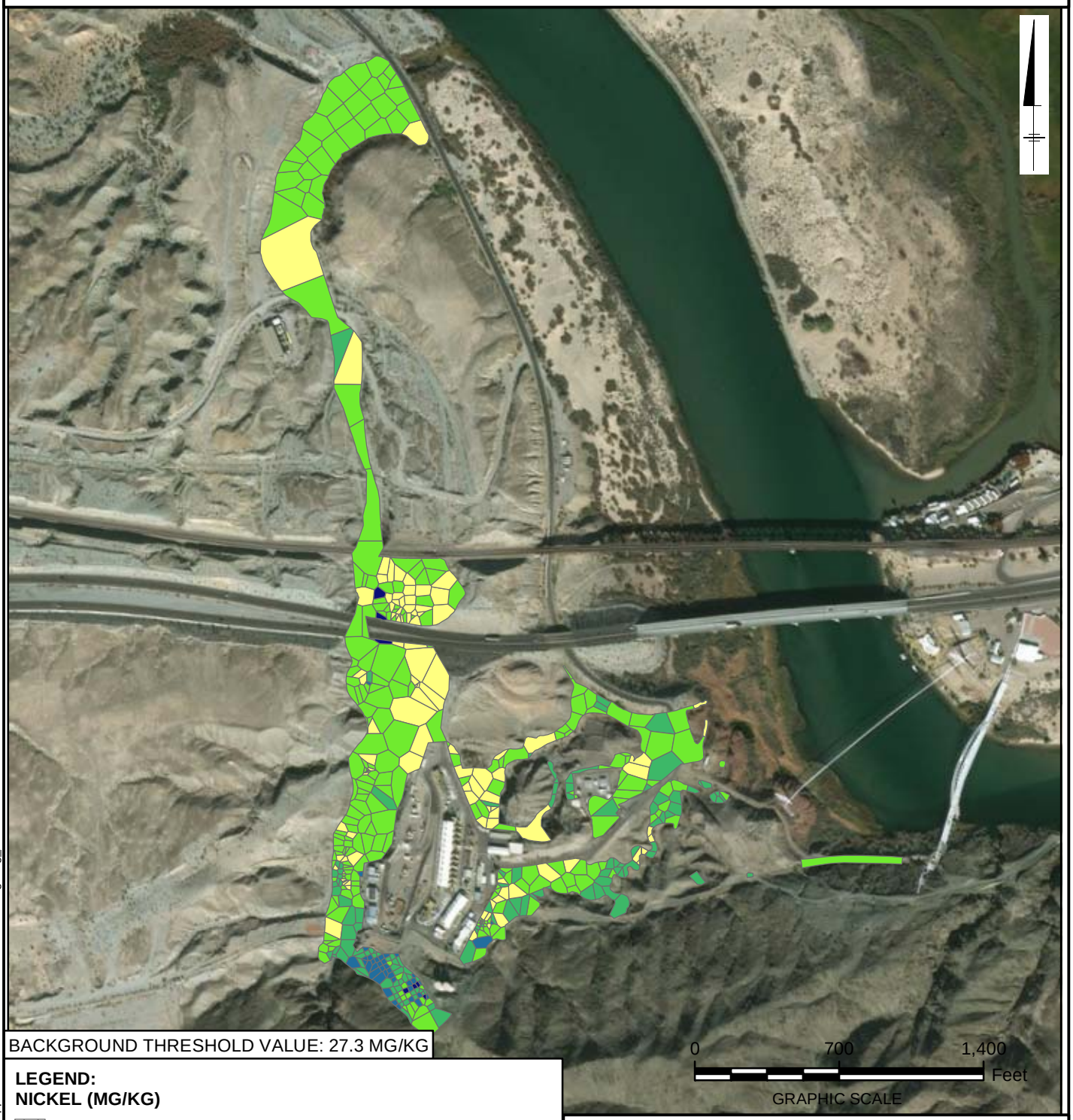
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.163

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 9.60
- ≥9.60 - 16.60
- ≥16.60 - 28.00
- ≥28.00 - 46.00
- ≥46.00 - 87.80

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

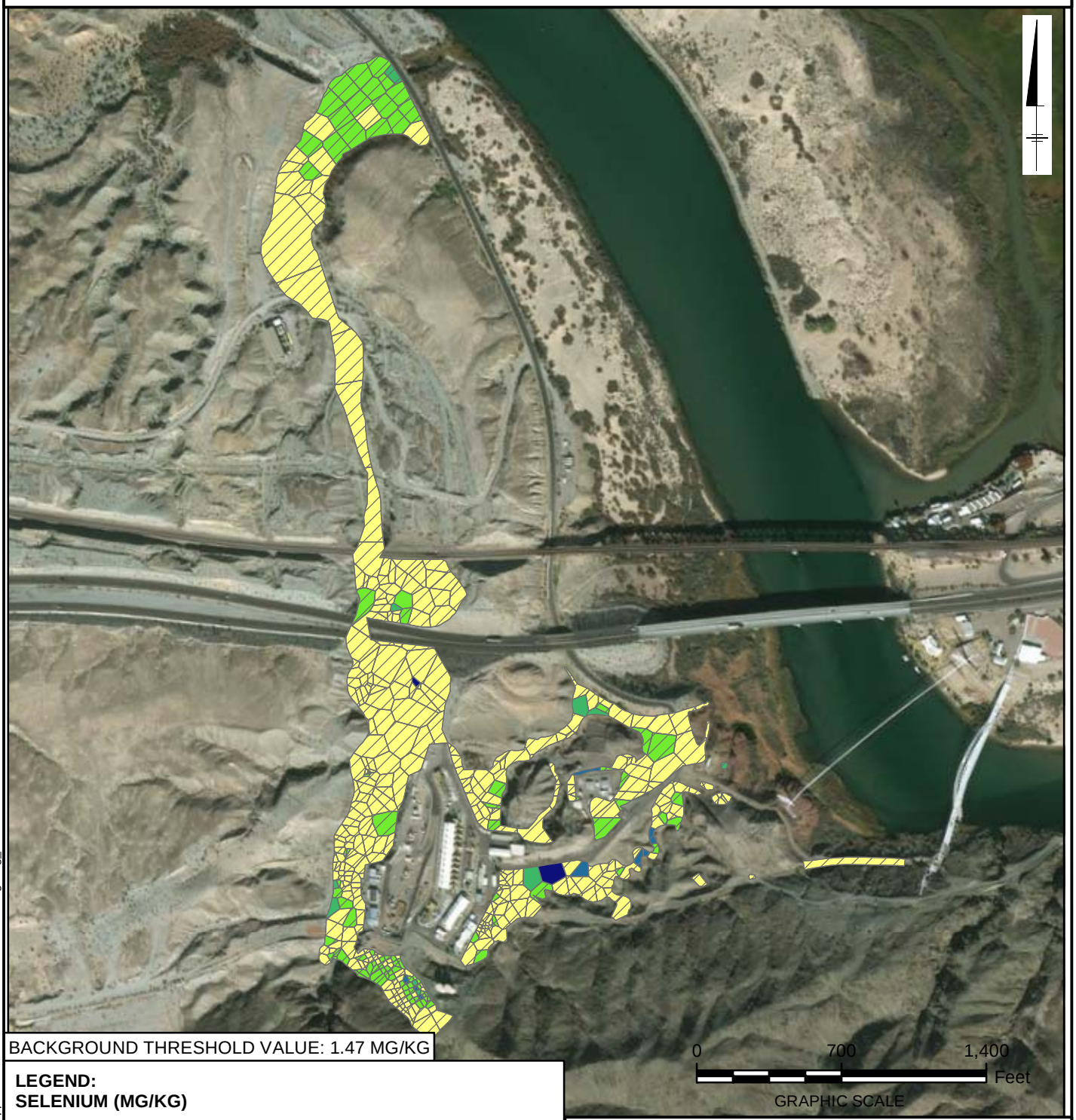
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.164

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
SELENIUM



BACKGROUND THRESHOLD VALUE: 1.47 MG/KG

LEGEND:
SELENIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.53
- ≥0.53 - 0.81
- ≥0.81 - 1.58
- ≥1.58 - 2.75
- ≥2.75 - 9.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

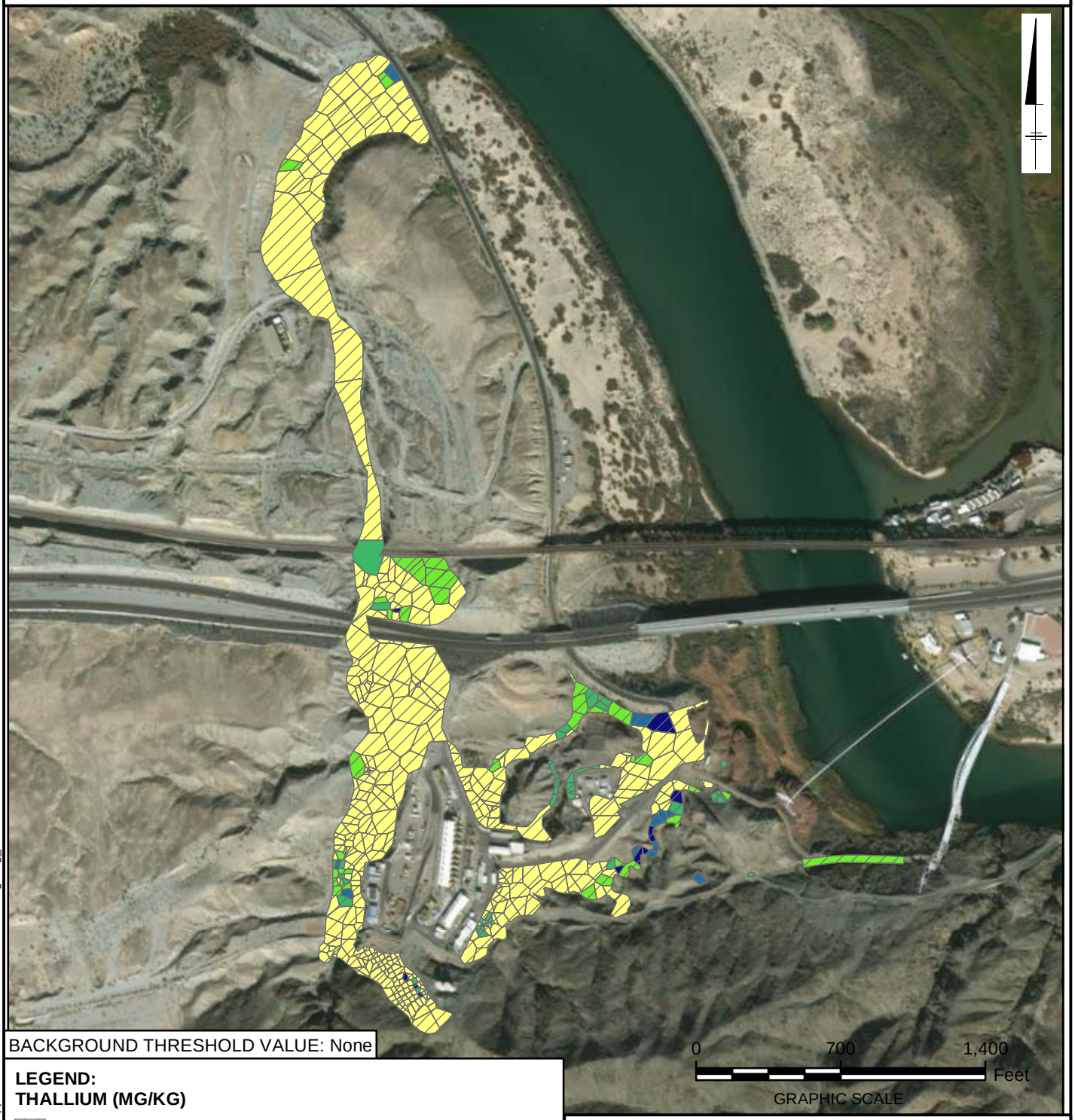
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.165

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
THALLIUM



BACKGROUND THRESHOLD VALUE: None

LEGEND:
THALLIUM (MG/KG)

- NOT DETECTED
- 0.50 - 1.25
- ≥1.25 - 1.72
- ≥1.72 - 2.29
- ≥2.29 - 4.01
- ≥4.01 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

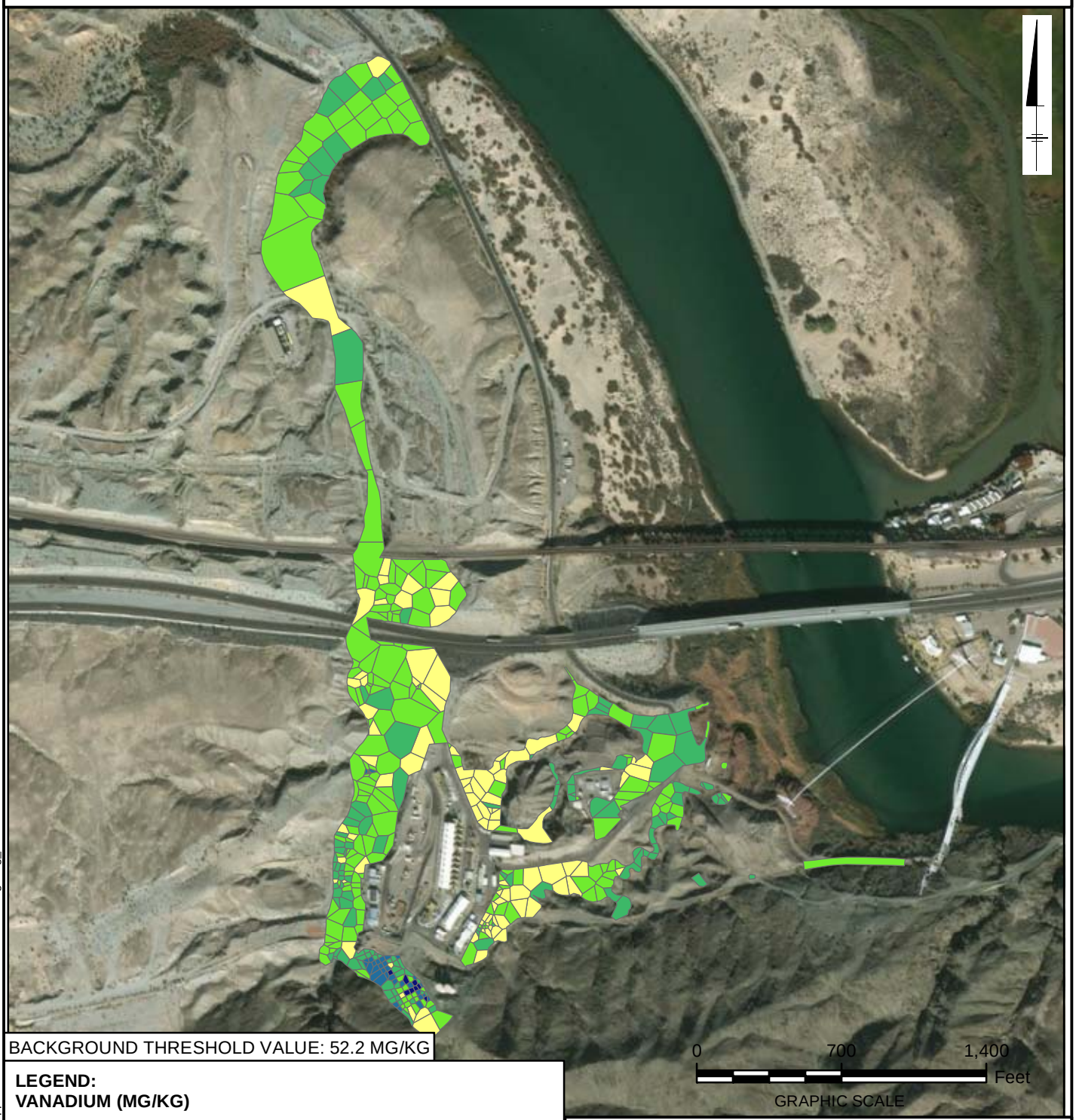
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.166

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 9.20 - 24.50
- ≥24.50 - 33.20
- ≥33.20 - 46.00
- ≥46.00 - 67.00
- ≥67.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

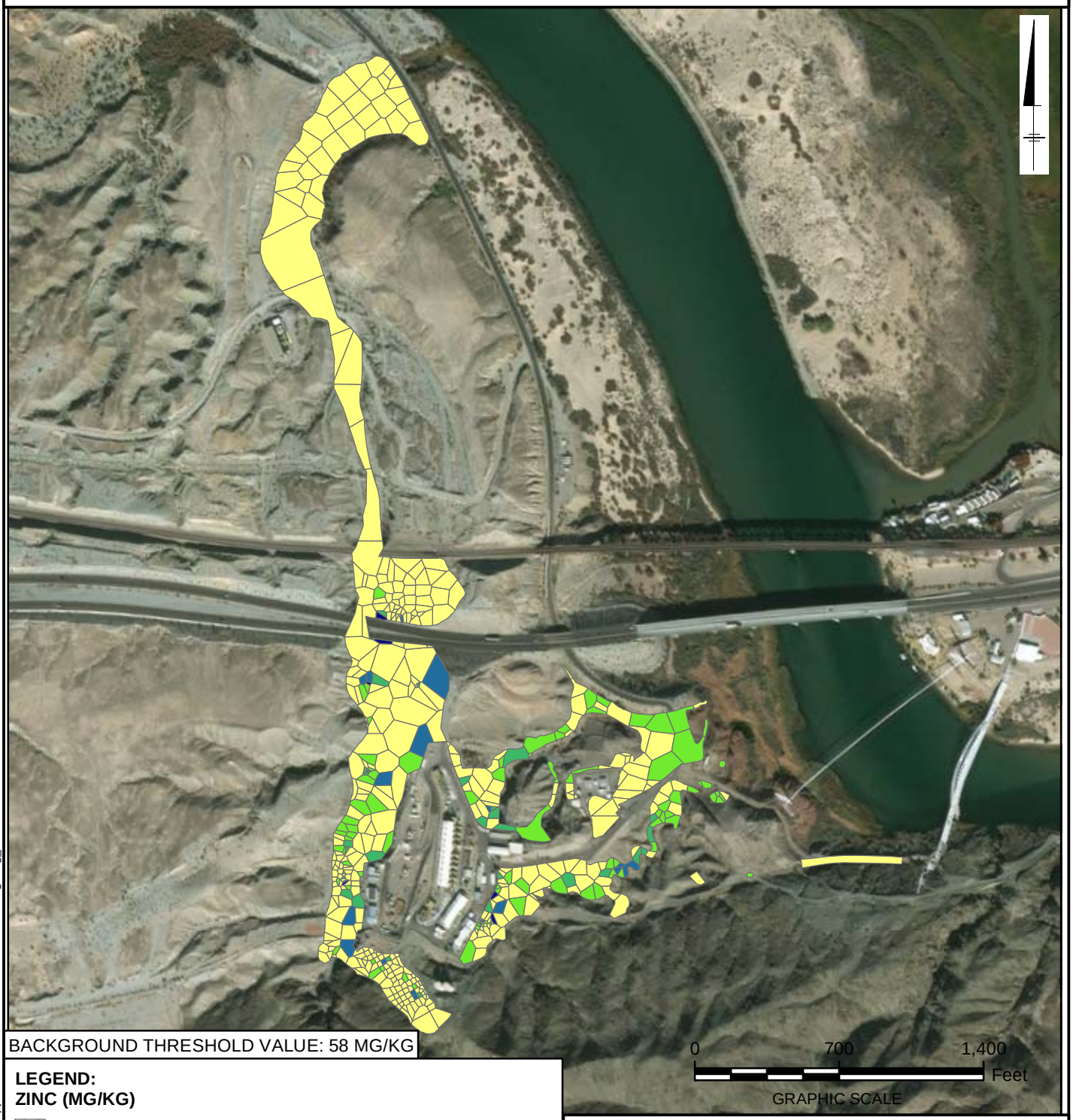
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.167

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 6.40 - 56.20
- ≥56.20 - 111.00
- ≥111.00 - 215.00
- ≥215.00 - 410.00
- ≥410.00 - 1000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

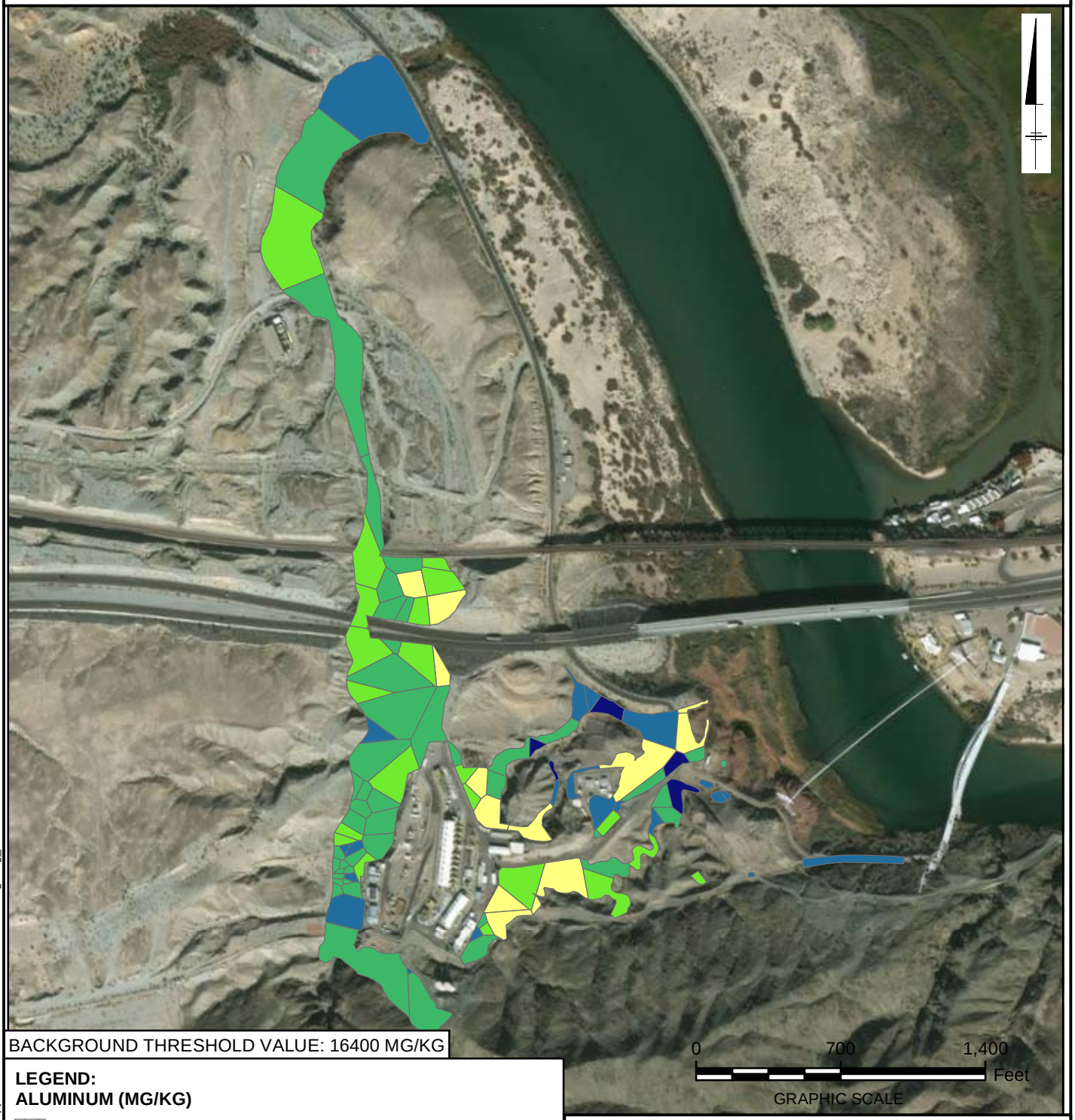
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.168

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 5400.00
- ≥5400.00 - 7700.00
- ≥7700.00 - 10100.00
- ≥10100.00 - 15000.00
- ≥15000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

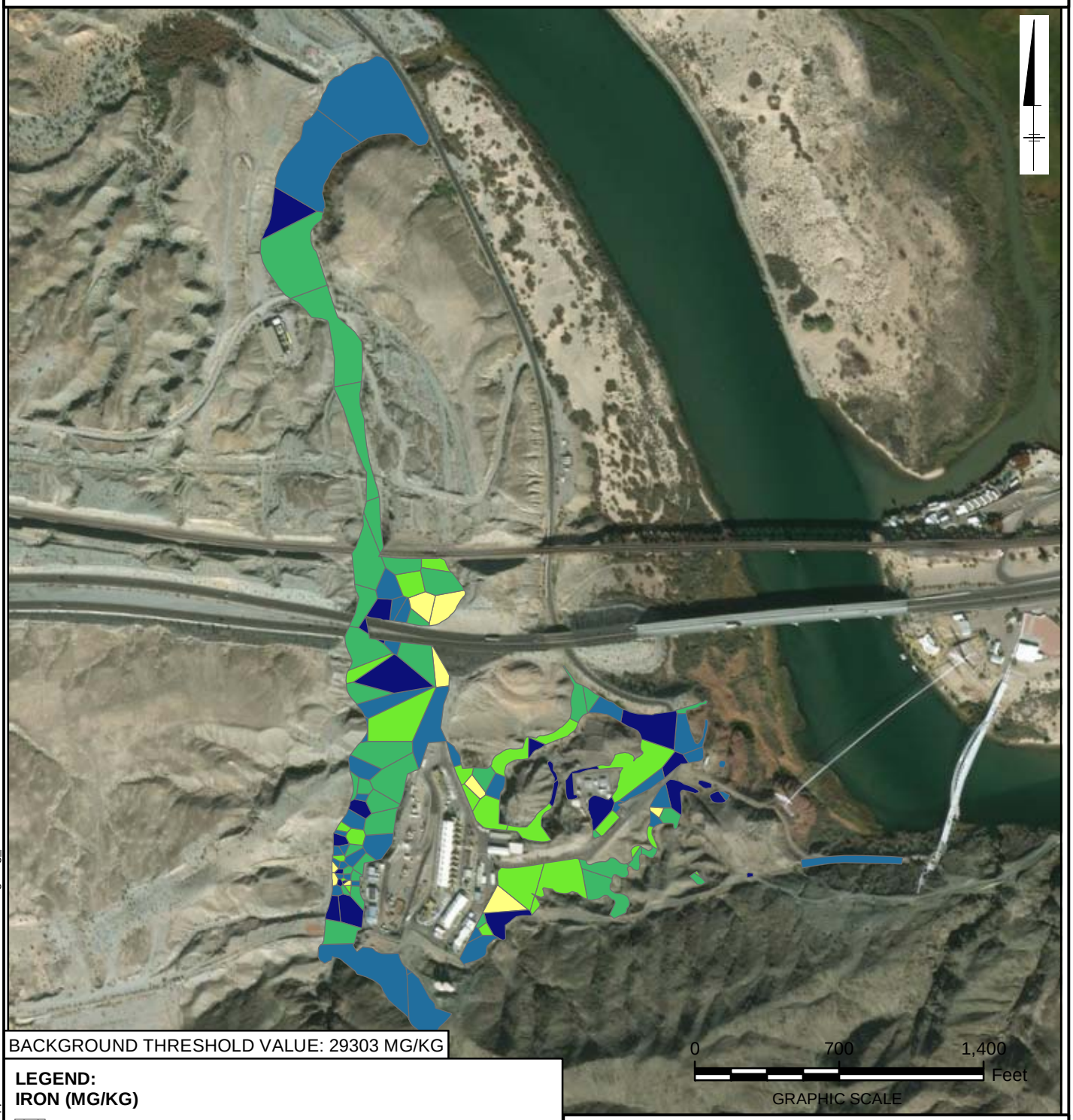
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.169

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 425.00 - 7360.00
- ≥7360.00 - 13000.00
- ≥13000.00 - 17000.00
- ≥17000.00 - 22000.00
- ≥22000.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

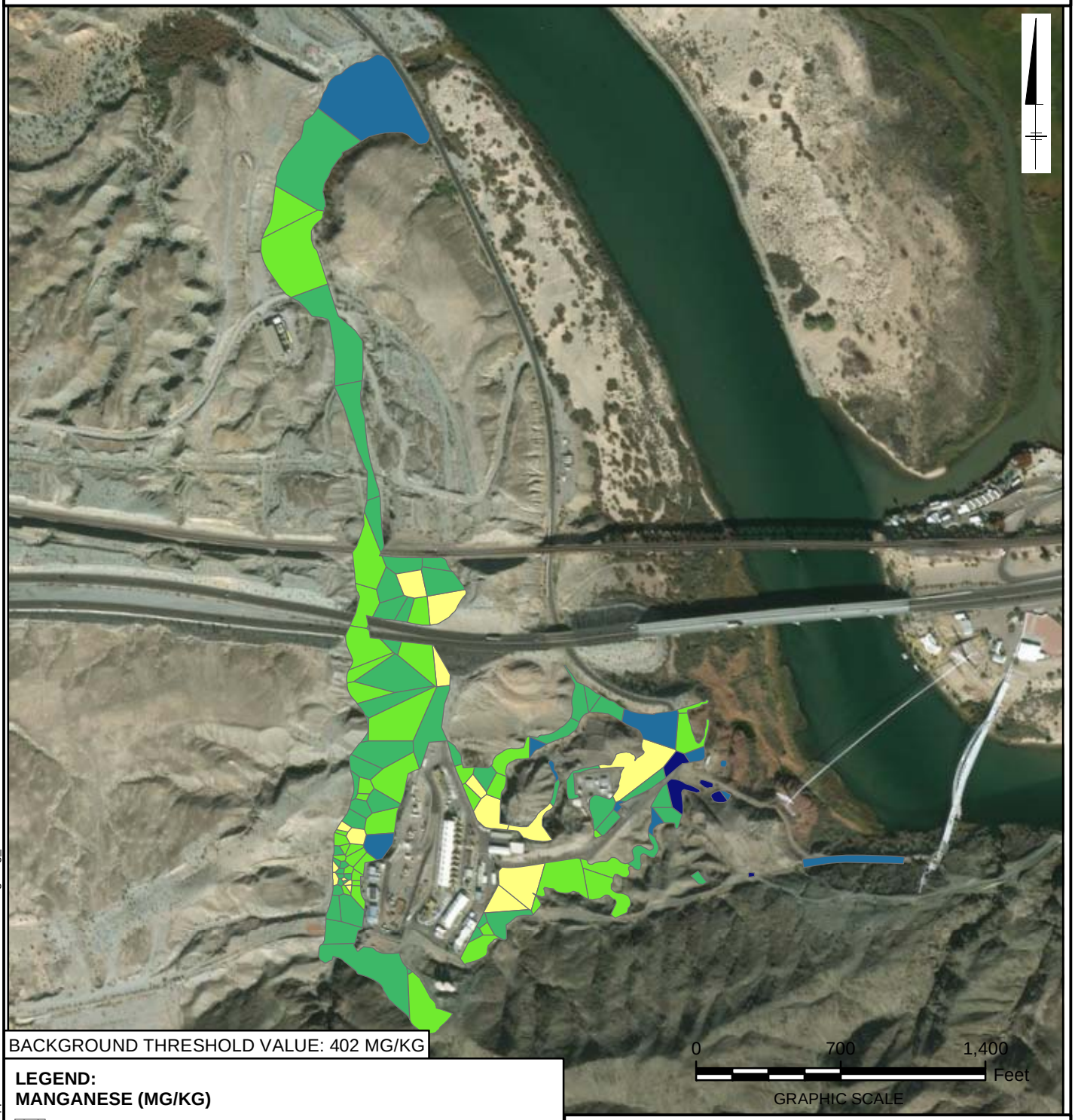
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.170

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 67.40 - 170.00
- ≥170.00 - 240.00
- ≥240.00 - 350.00
- ≥350.00 - 670.00
- ≥670.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

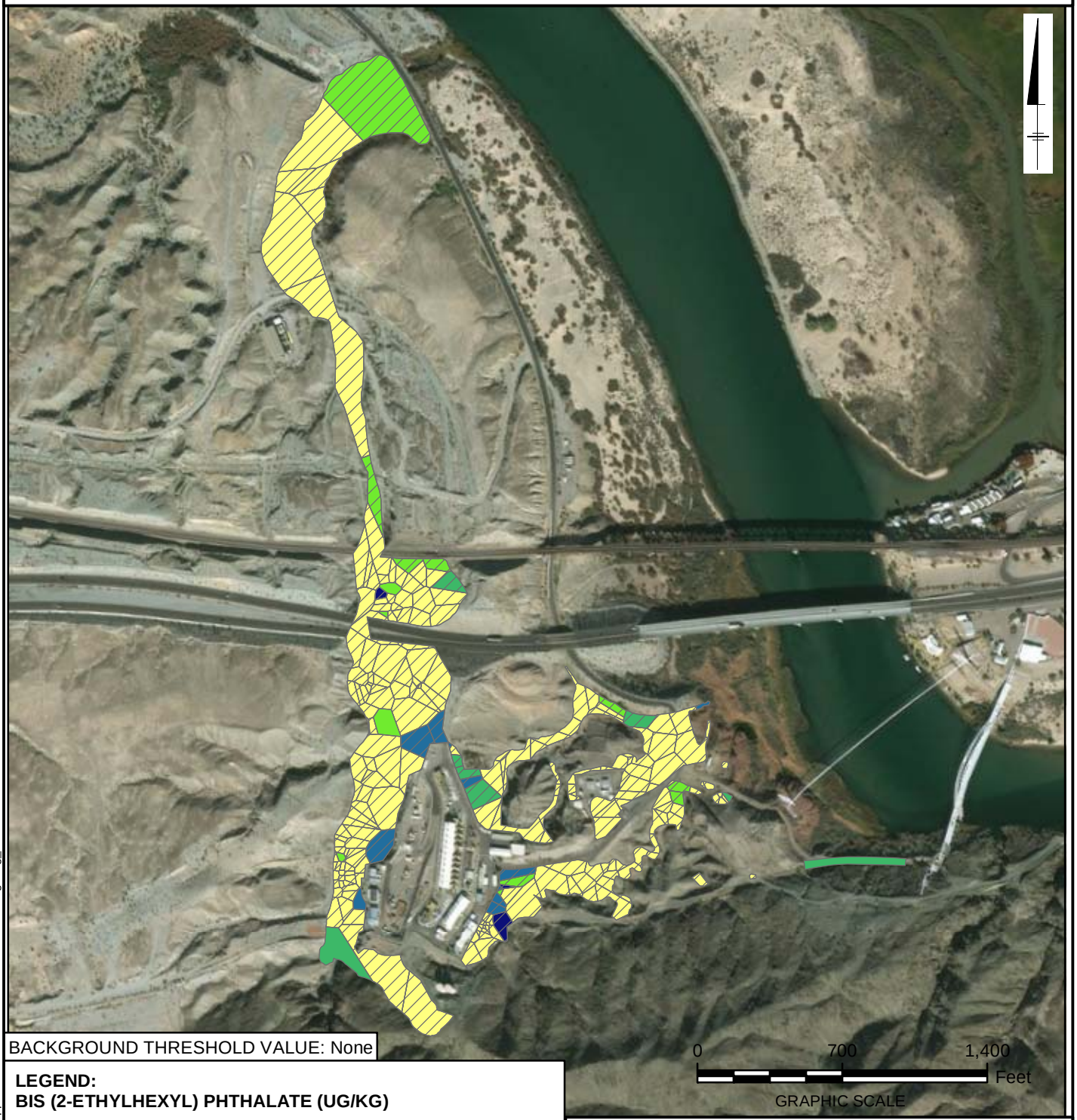
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.17.1

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BIS (2-ETHYLHEXYL) PHTHALATE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BIS (2-ETHYLHEXYL) PHTHALATE (UG/KG)

- NOT DETECTED
- 165.00 - 219.00
- ≥219.00 - 375.00
- ≥375.00 - 681.00
- ≥681.00 - 2000.00
- ≥2000.00 - 16900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

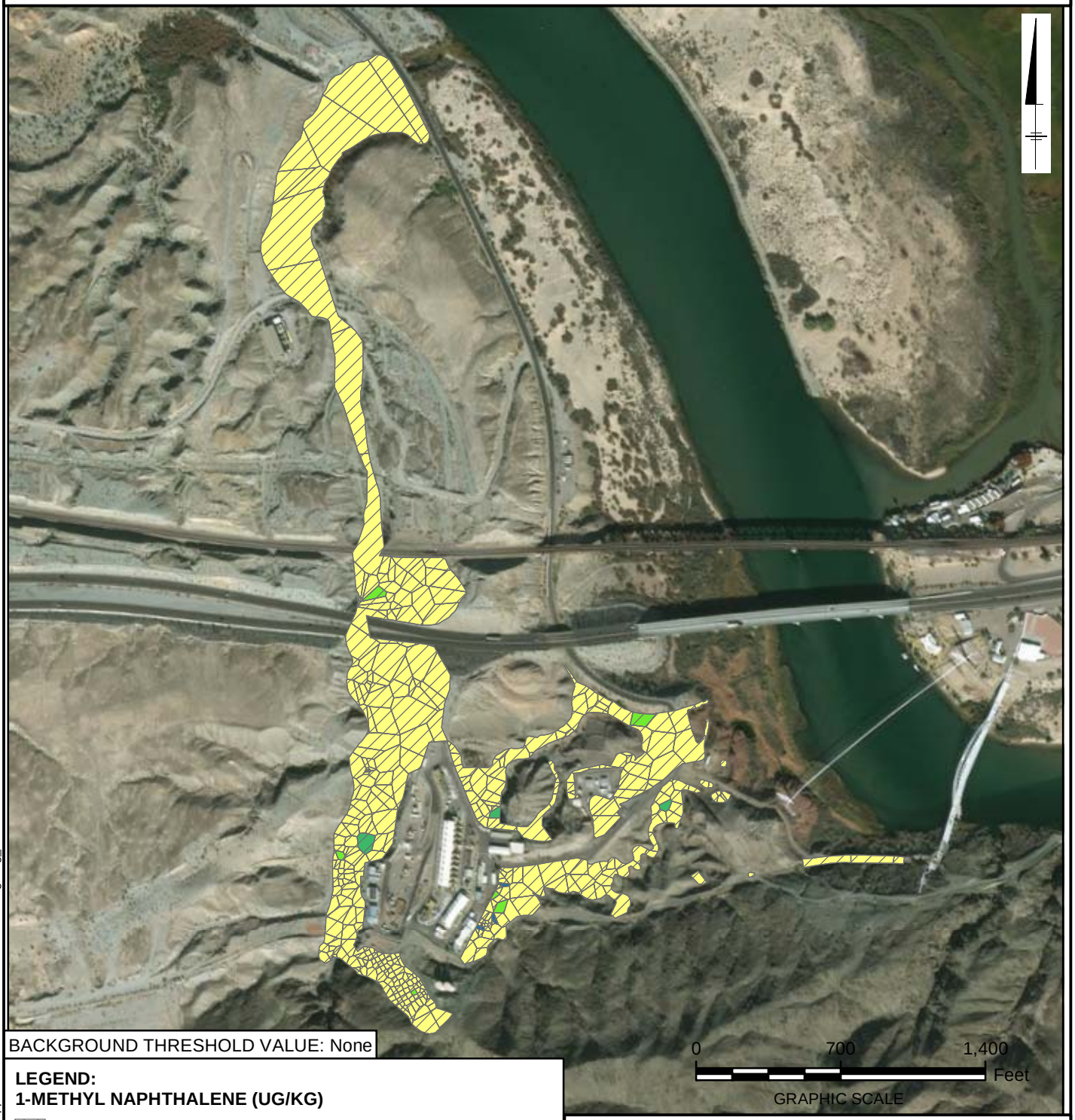
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.17.2

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.54
- ≥4.54 - 10.50
- ≥10.50 - 19.20
- ≥19.20 - 53.00
- ≥53.00 - 208.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

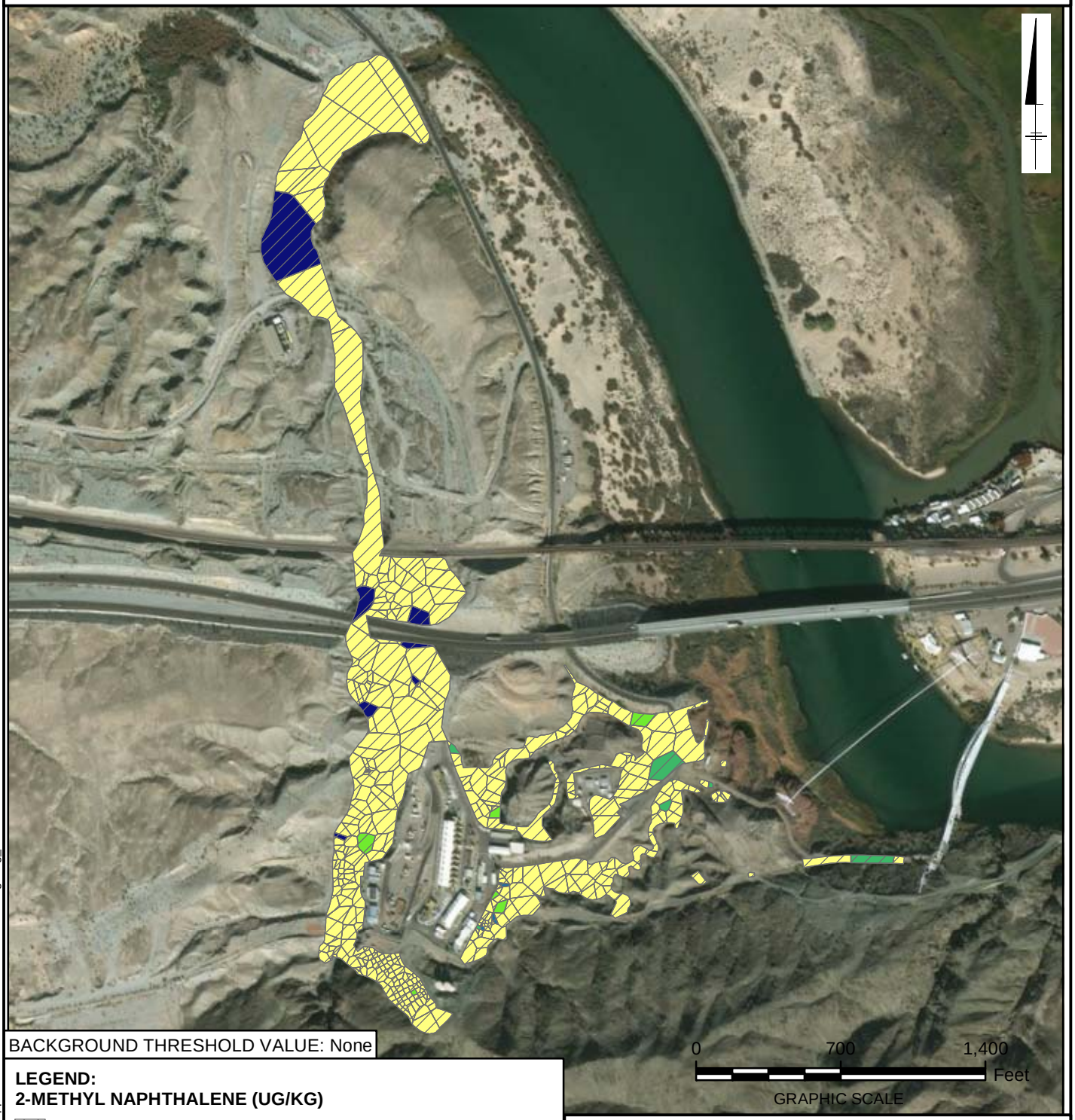
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.17.3

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.16
- ≥6.16 - 15.90
- ≥15.90 - 31.30
- ≥31.30 - 53.00
- ≥53.00 - 216.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

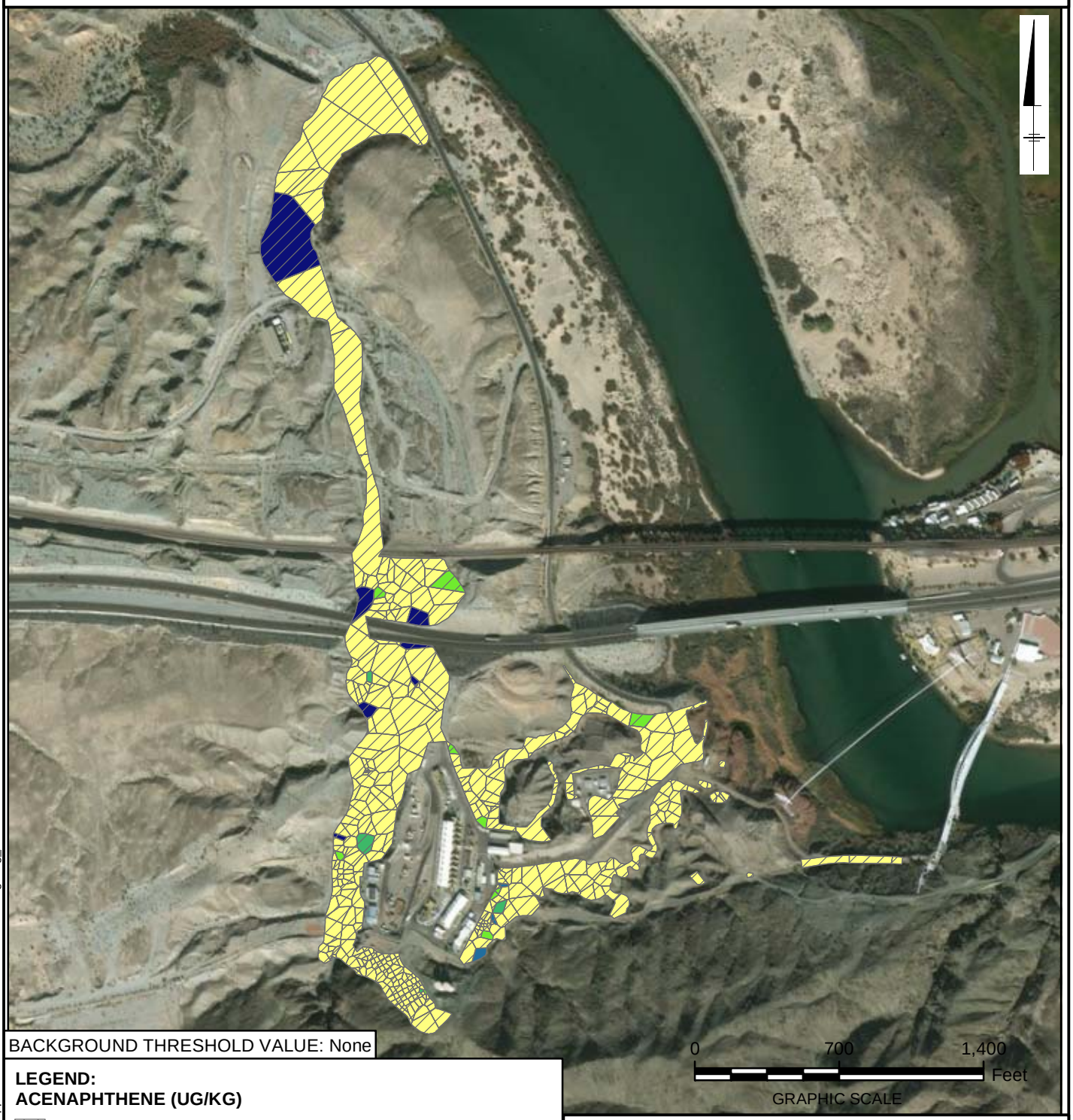
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.17-4

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.78
- ≥3.78 - 7.78
- ≥7.78 - 22.00
- ≥22.00 - 53.00
- ≥53.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

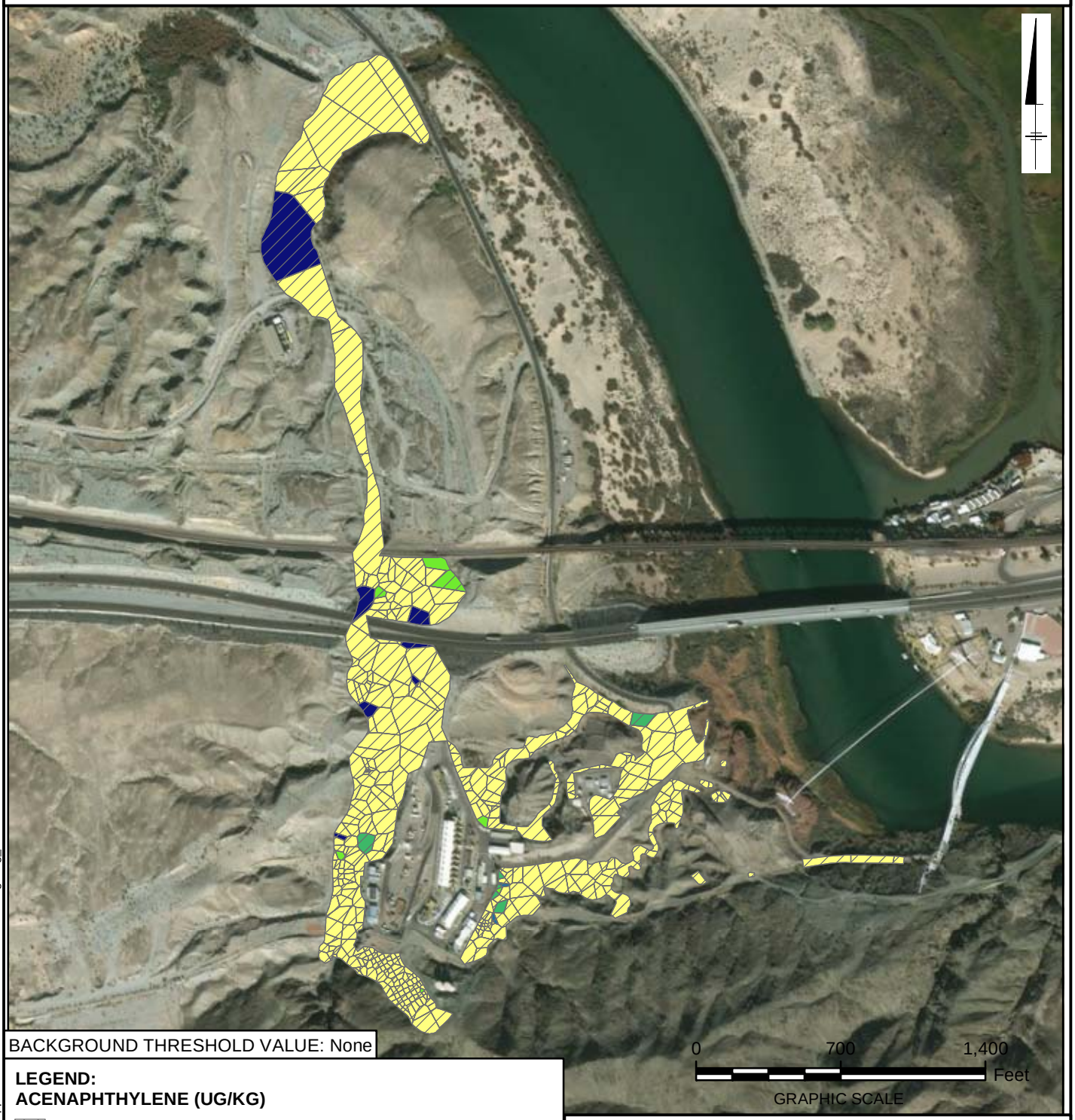
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.175

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.62
- ≥3.62 - 6.00
- ≥6.00 - 11.50
- ≥11.50 - 53.00
- ≥53.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

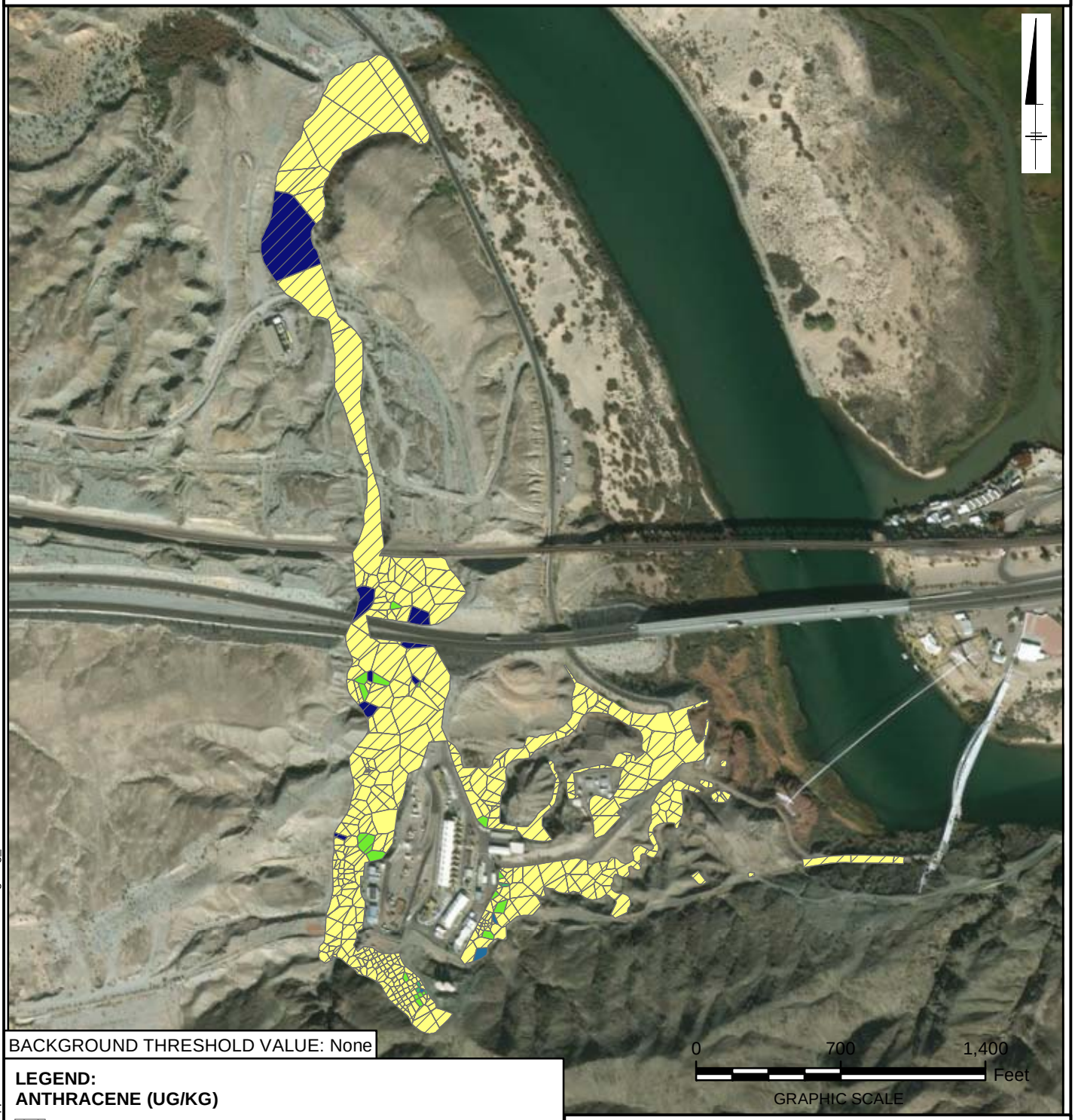
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.176

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 7.92
- ≥7.92 - 24.00
- ≥24.00 - 53.00
- ≥53.00 - 116.00
- ≥116.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

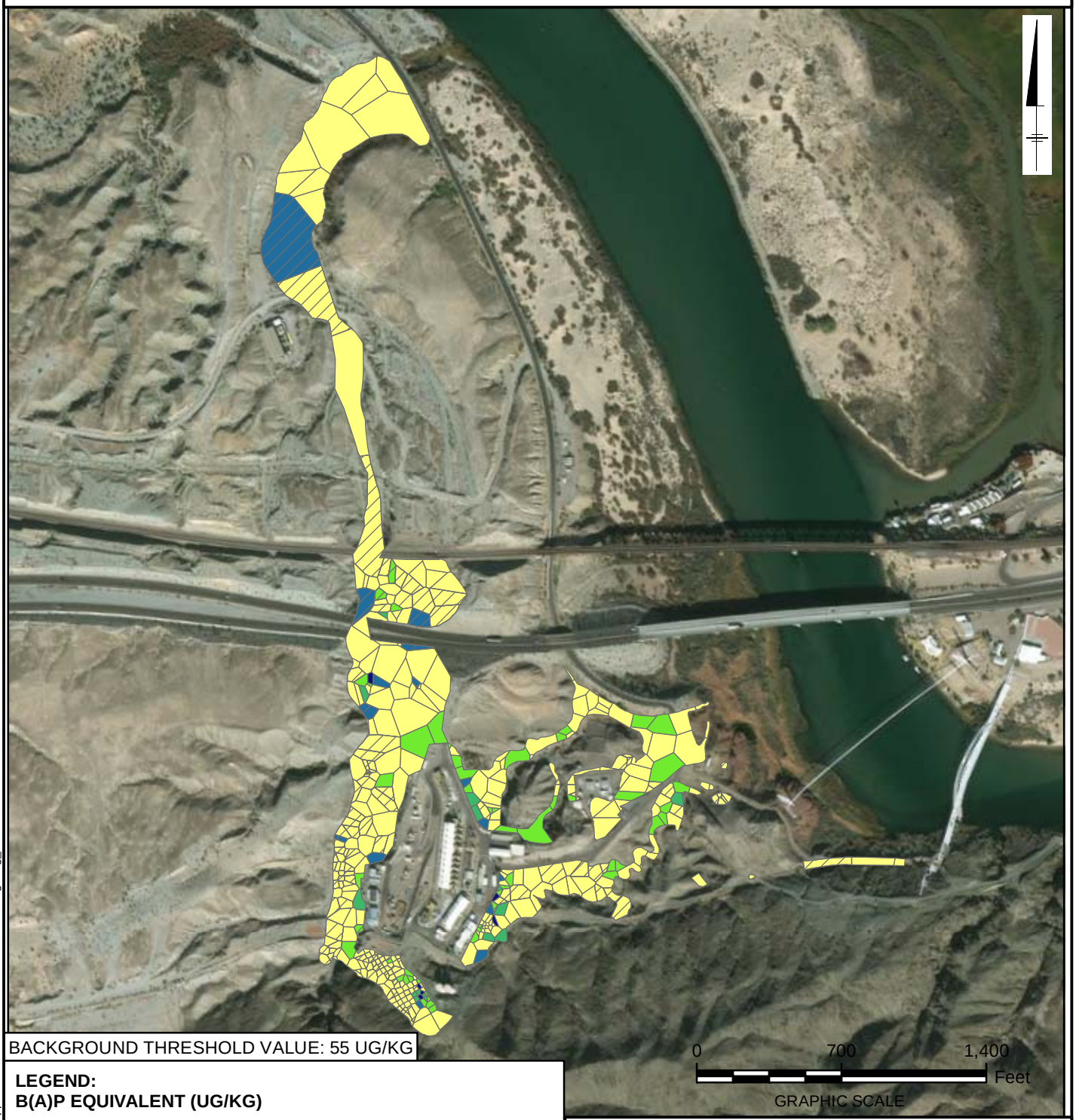
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.177

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.41 - 43.80
- ≥43.80 - 140.00
- ≥140.00 - 300.00
- ≥300.00 - 611.00
- ≥611.00 - 1640.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

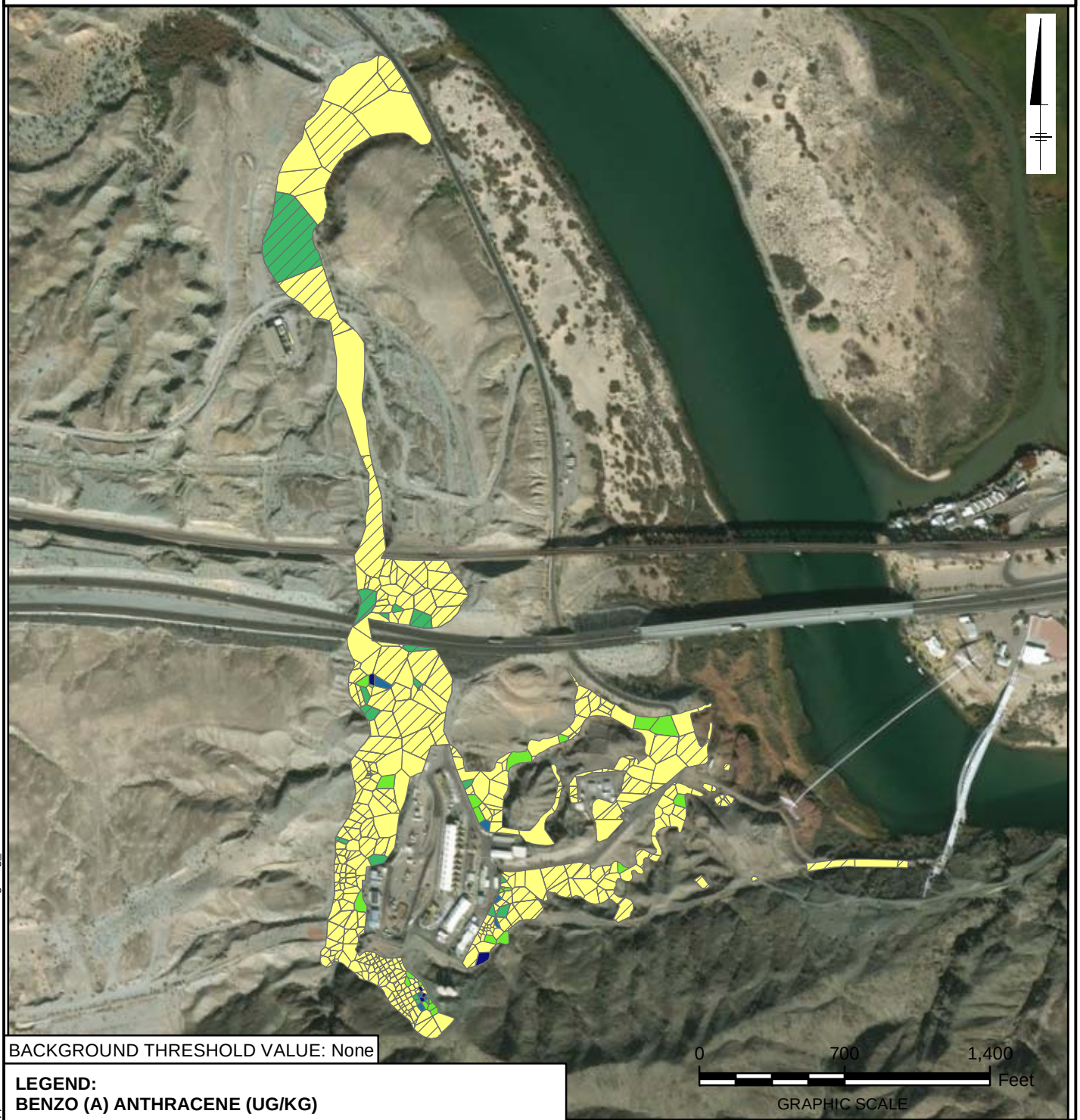
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.17-8

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 43.00
- ≥43.00 - 130.00
- ≥130.00 - 289.00
- ≥289.00 - 560.00
- ≥560.00 - 1000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

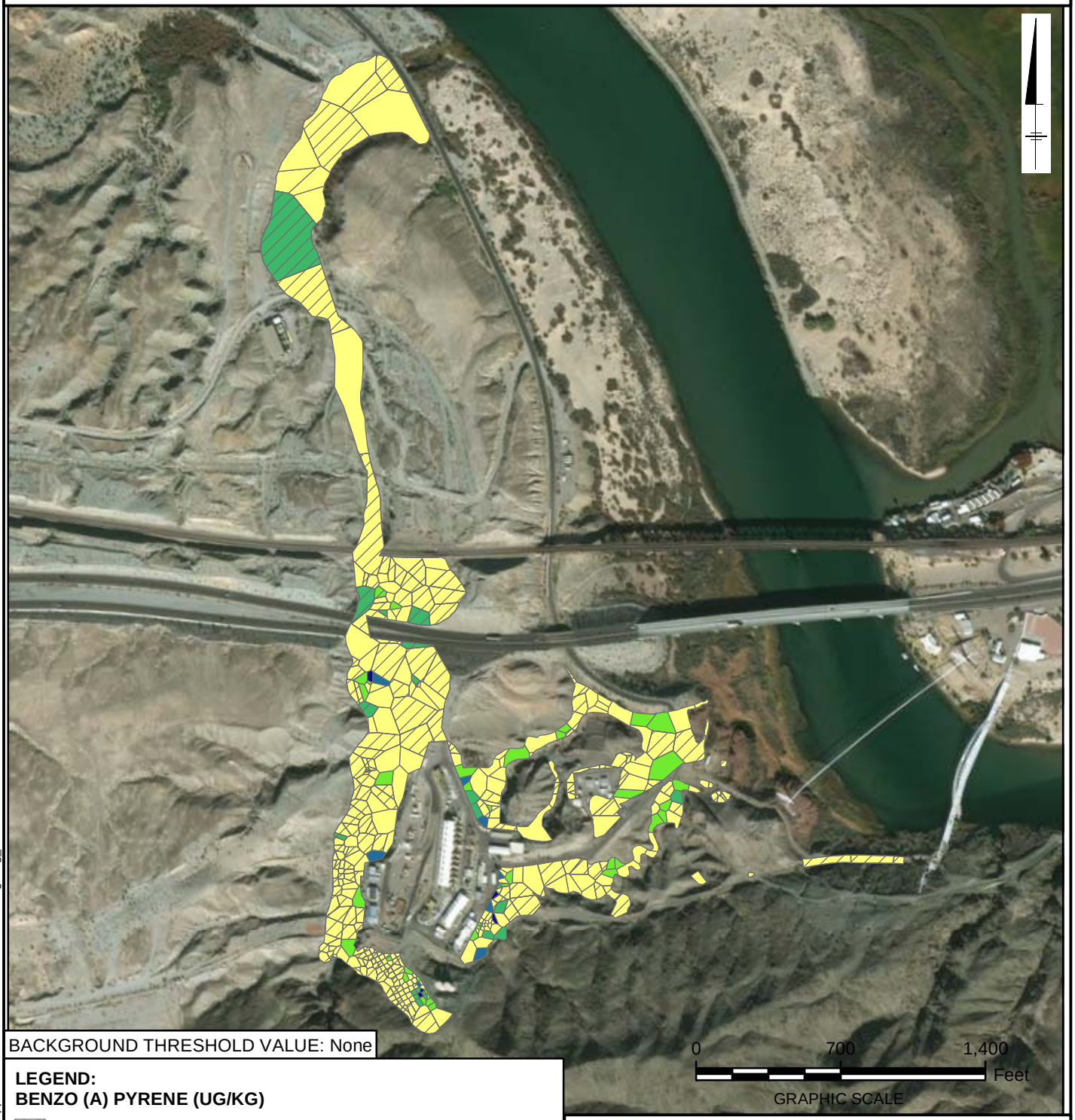
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.179

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 30.60
- ≥30.60 - 95.00
- ≥95.00 - 191.00
- ≥191.00 - 550.00
- ≥550.00 - 920.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

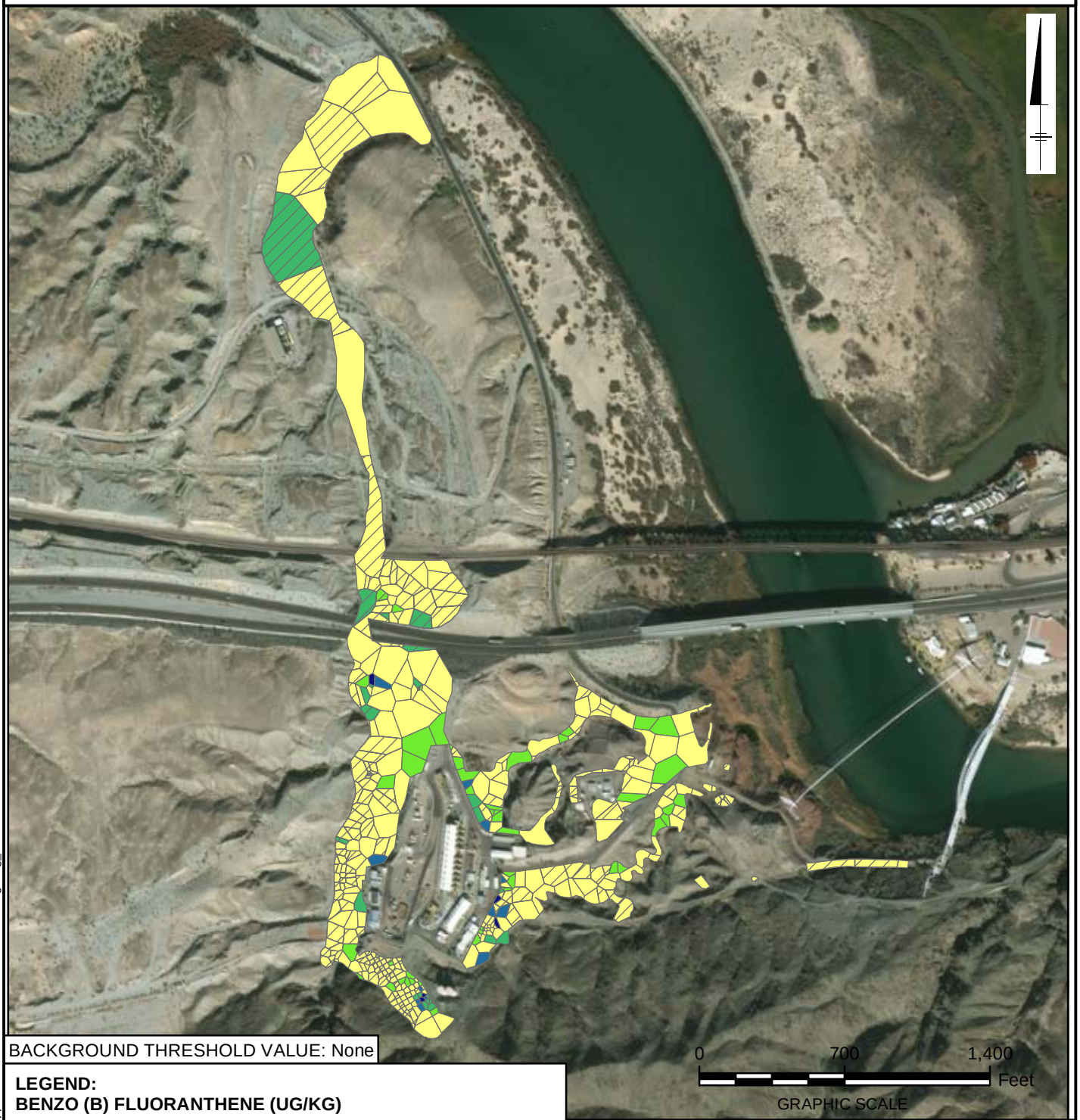
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.1.80

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 42.30
- ≥42.30 - 132.00
- ≥132.00 - 319.00
- ≥319.00 - 860.00
- ≥860.00 - 3000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

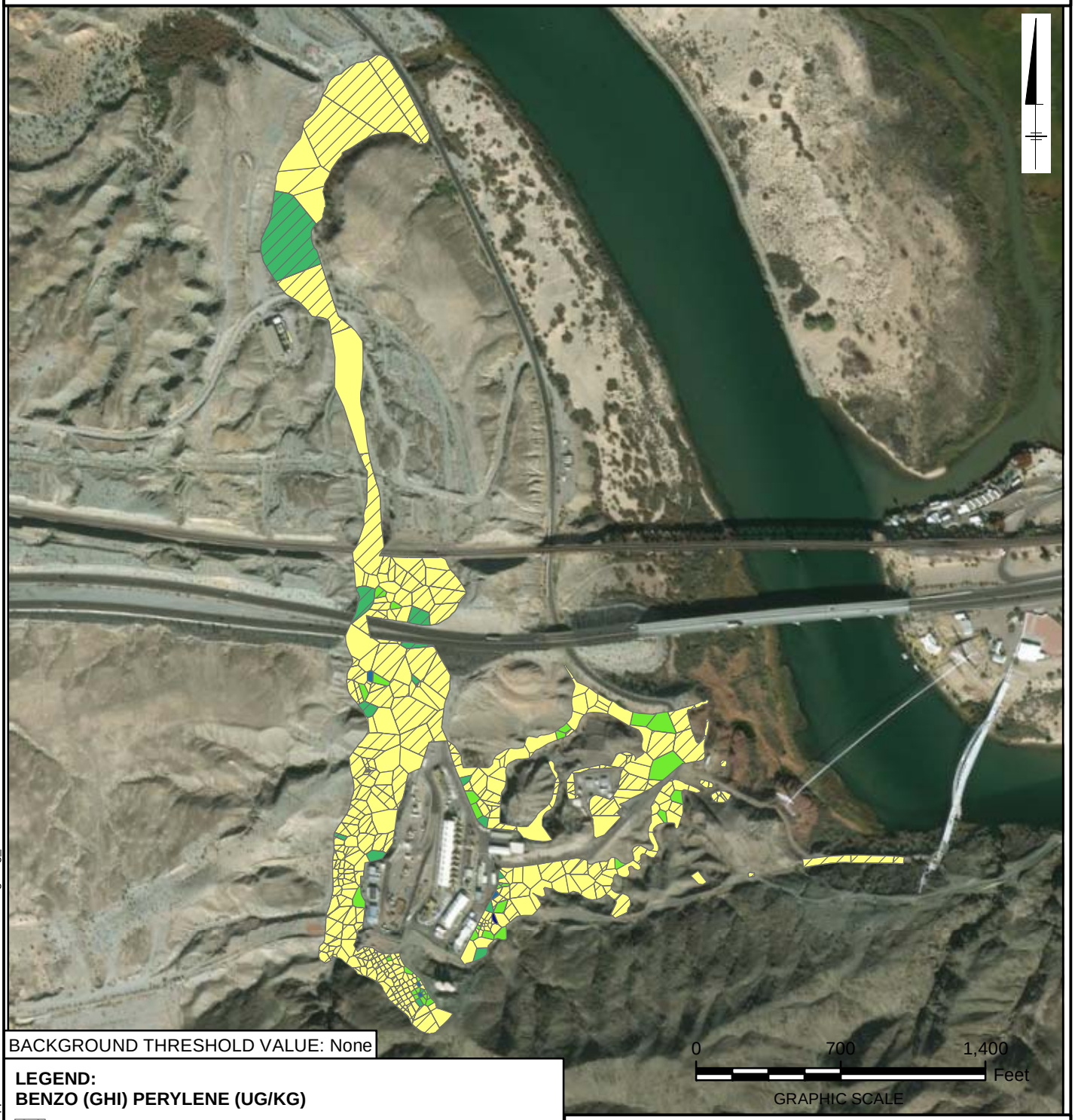
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.181

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 31.50
- ≥31.50 - 110.00
- ≥110.00 - 190.00
- ≥190.00 - 550.00
- ≥550.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

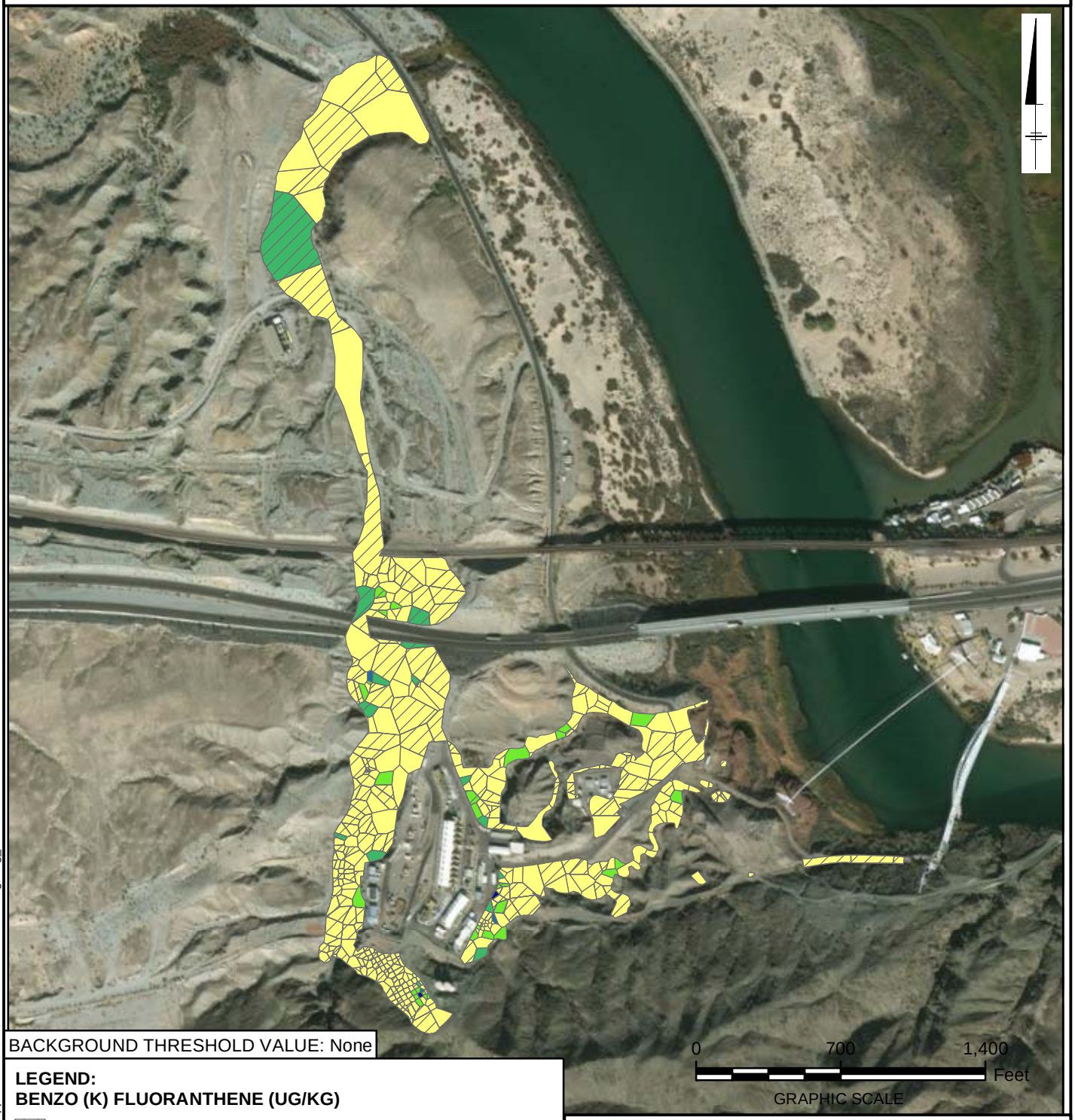
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.1.82

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 39.00
- ≥39.00 - 129.00
- ≥129.00 - 282.00
- ≥282.00 - 580.00
- ≥580.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

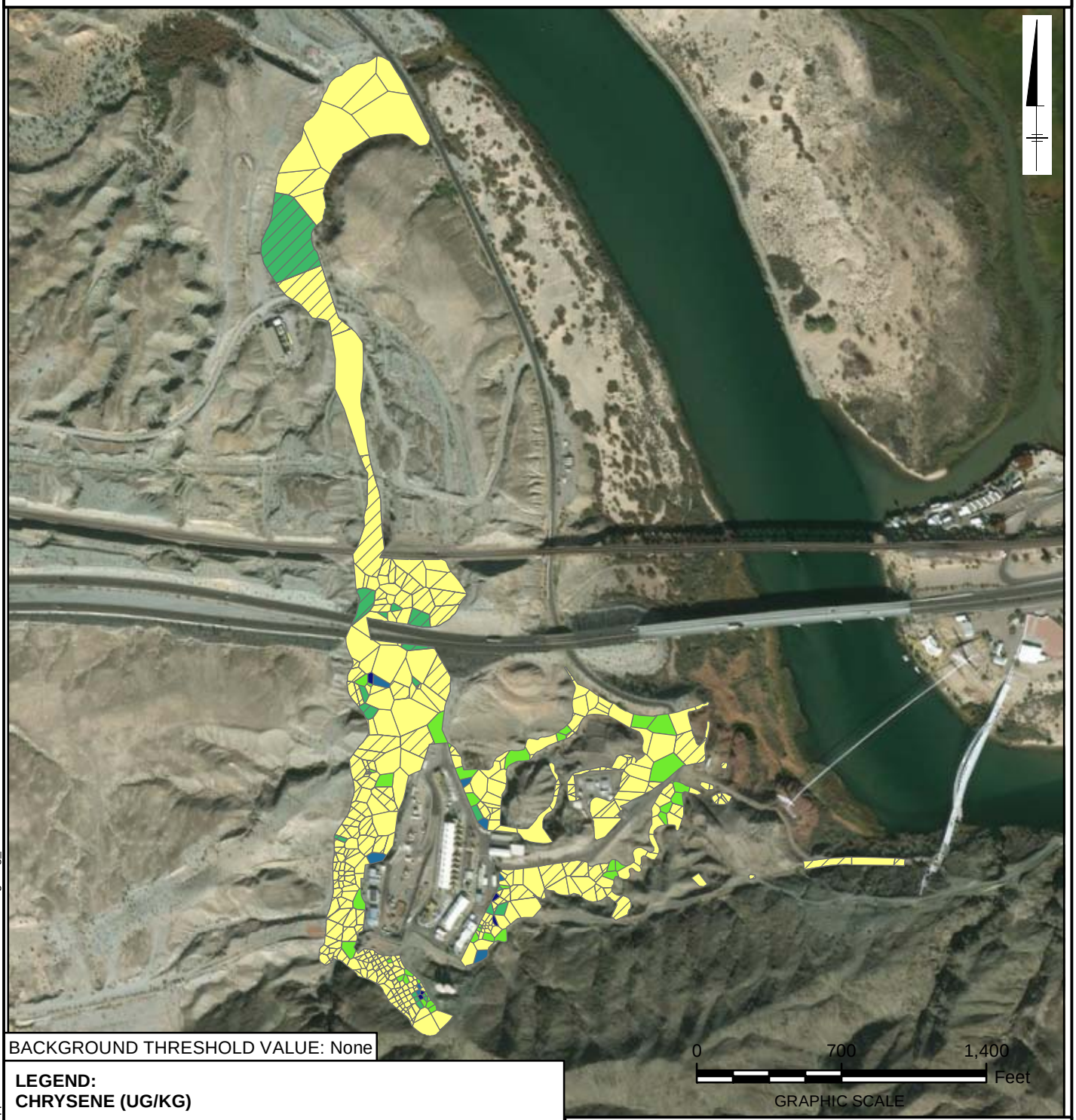
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.183

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 43.20
- ≥43.20 - 129.00
- ≥129.00 - 313.00
- ≥313.00 - 630.00
- ≥630.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

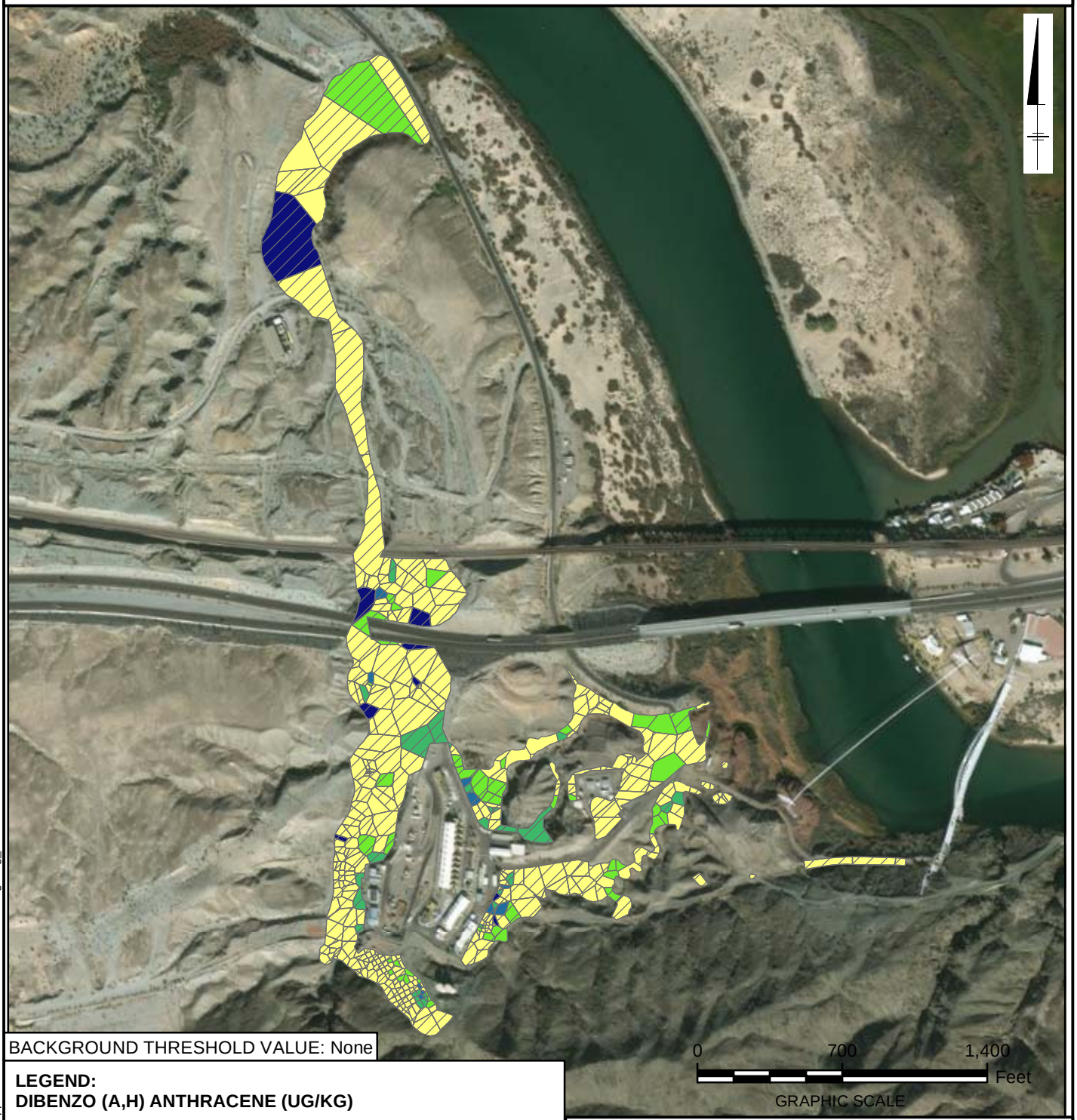
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.184

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.29
- ≥6.29 - 17.00
- ≥17.00 - 44.00
- ≥44.00 - 109.00
- ≥109.00 - 382.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

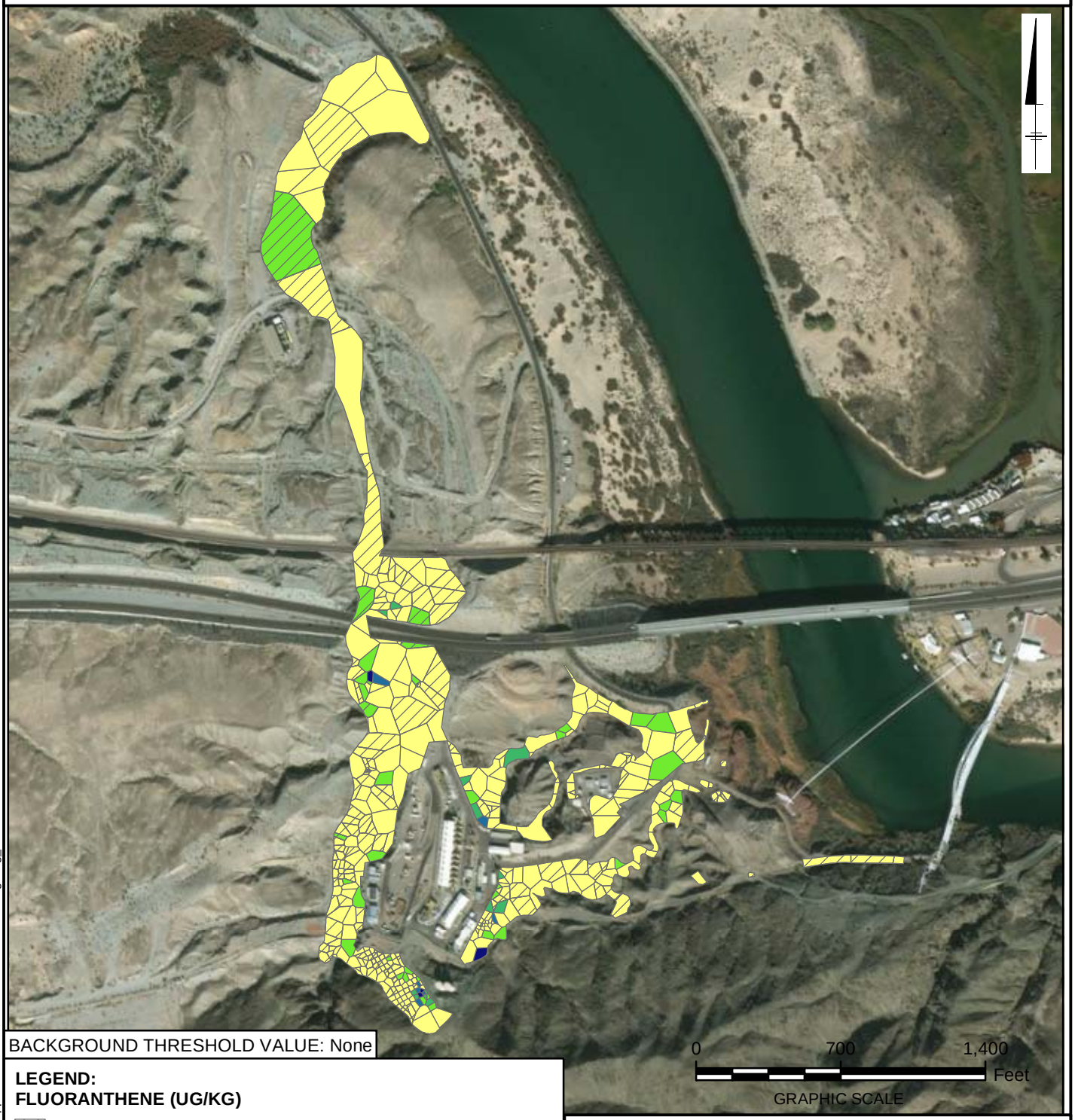
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.185

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 84.00
- ≥84.00 - 290.00
- ≥290.00 - 600.00
- ≥600.00 - 1200.00
- ≥1200.00 - 2400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

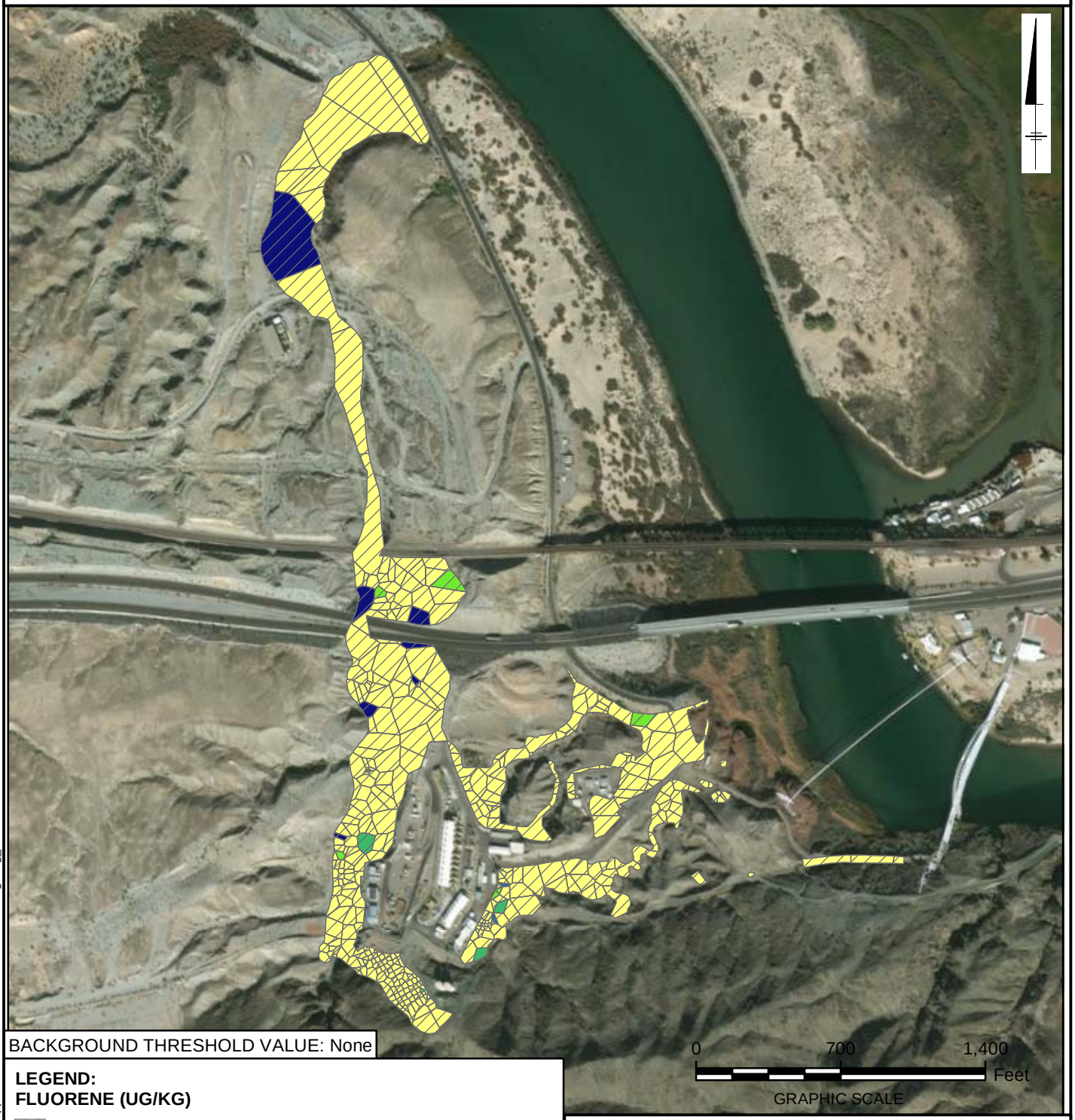
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.186

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.04
- ≥4.04 - 7.78
- ≥7.78 - 17.20
- ≥17.20 - 53.00
- ≥53.00 - 175.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

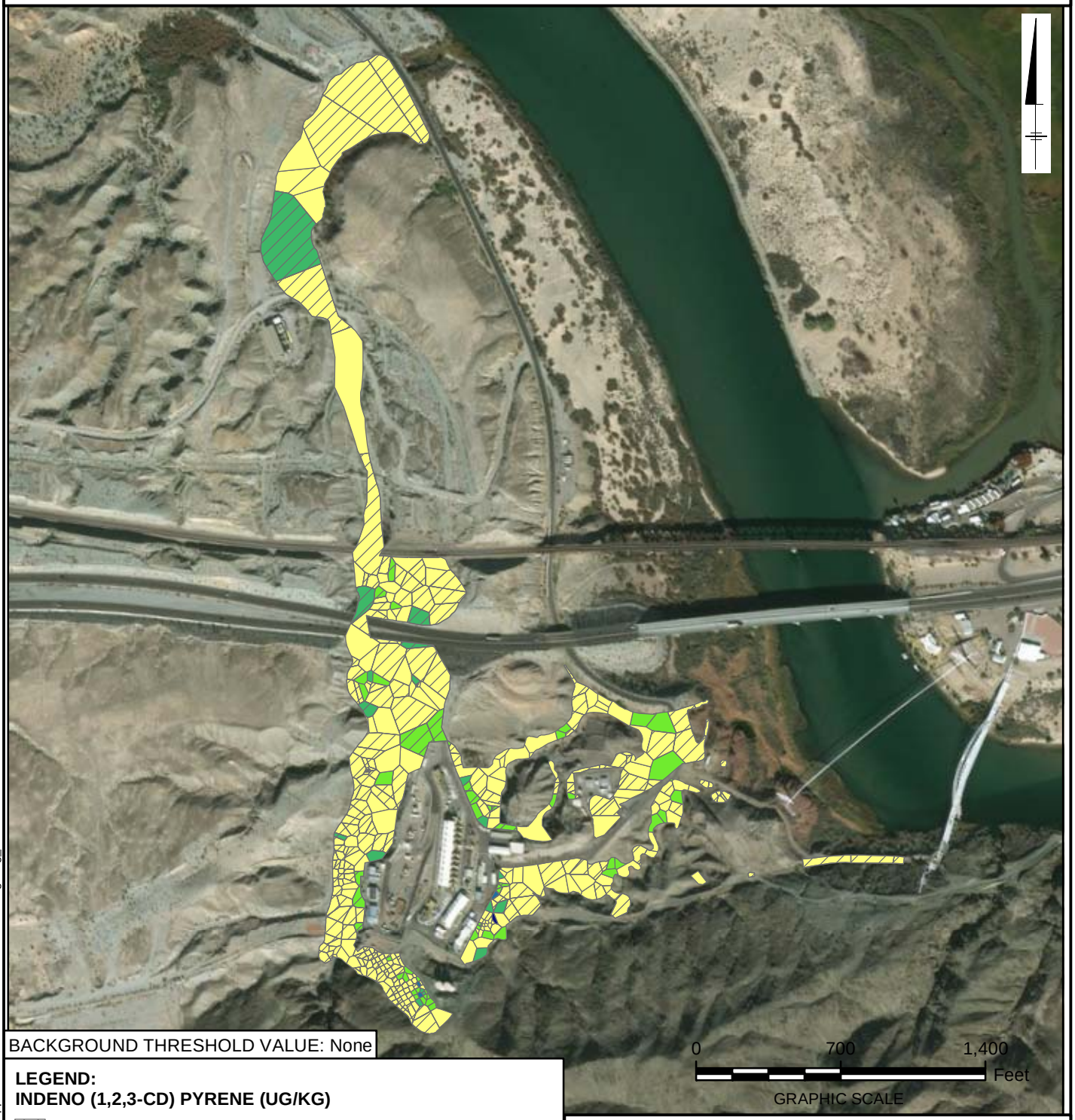
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.187

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 22.30
- ≥22.30 - 97.00
- ≥97.00 - 248.00
- ≥248.00 - 440.00
- ≥440.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

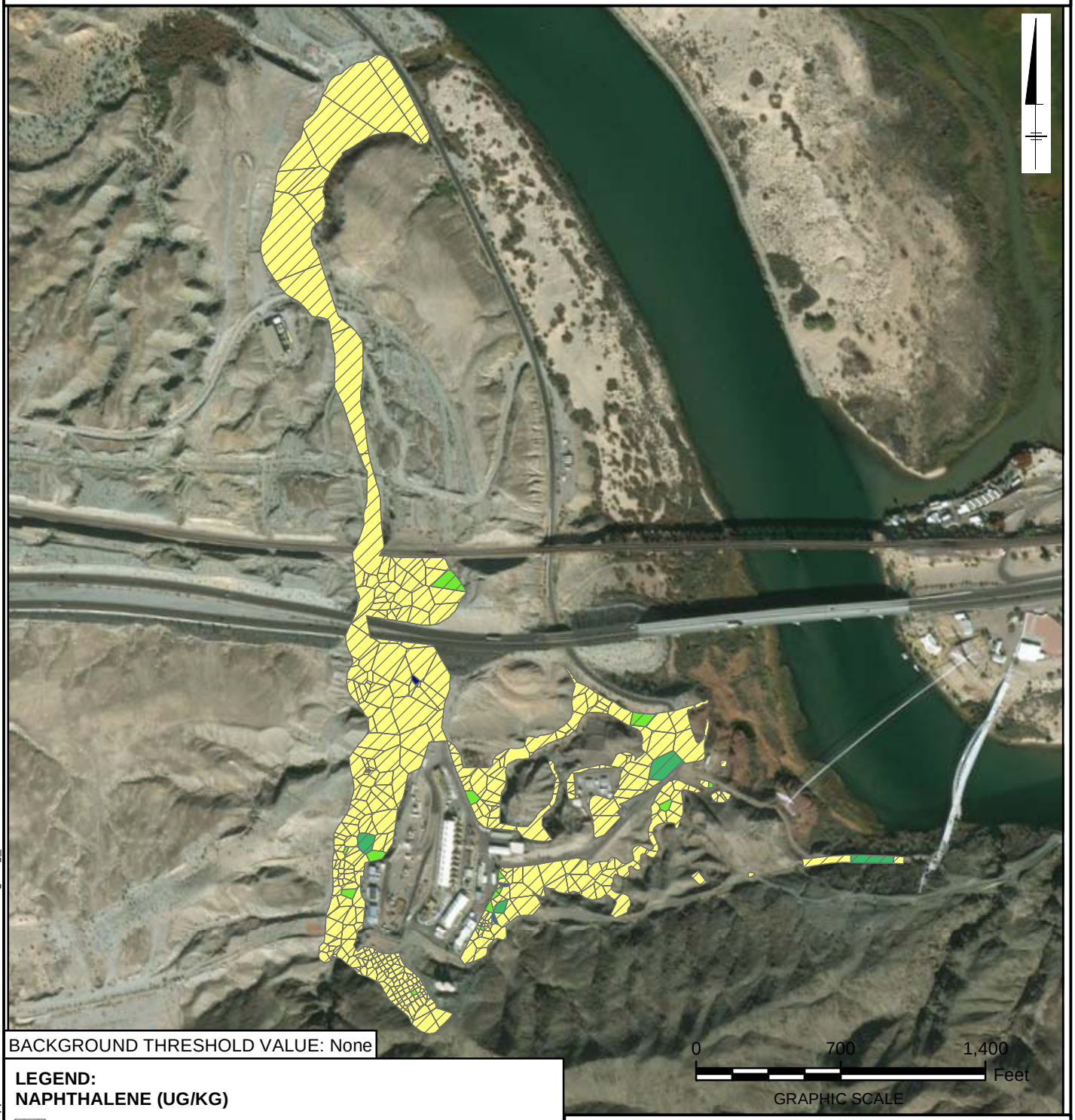
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.188

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.07 - 3.76
- ≥3.76 - 7.78
- ≥7.78 - 15.80
- ≥15.80 - 53.00
- ≥53.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

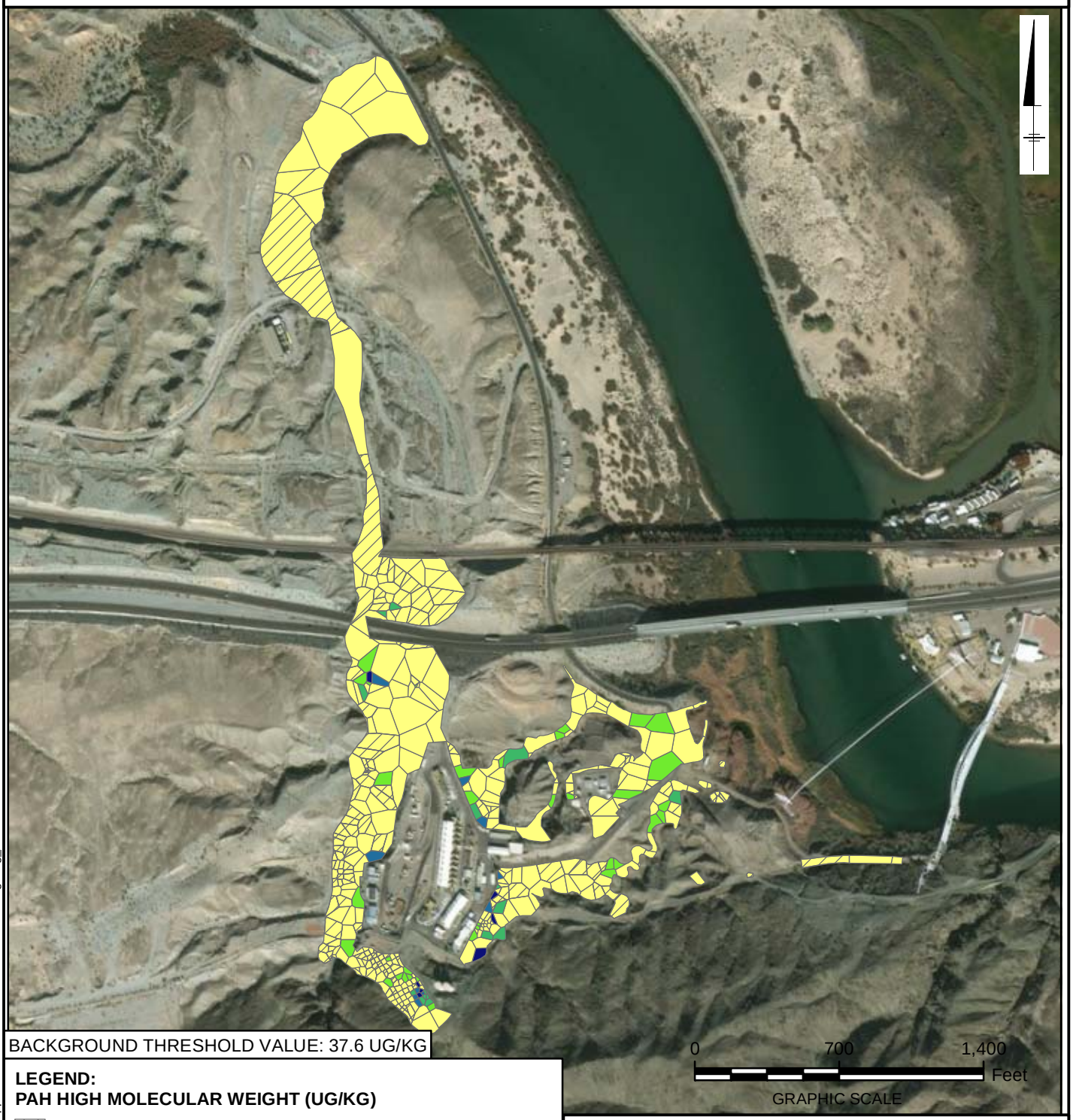
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.189

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 288.00
- ≥288.00 - 939.00
- ≥939.00 - 1990.00
- ≥1990.00 - 4320.00
- ≥4320.00 - 10200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

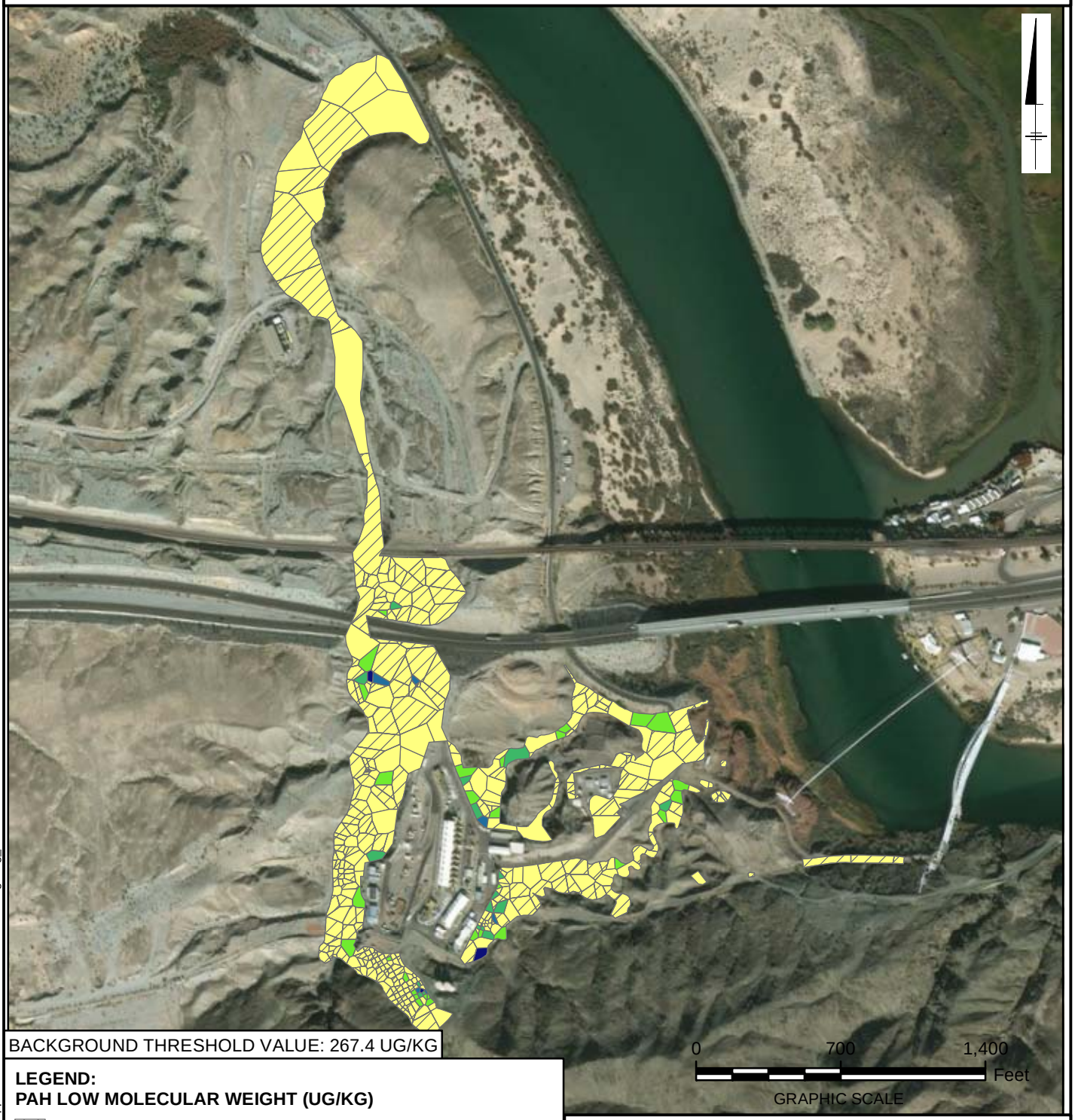
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.190

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 23.00
- ≥23.00 - 84.00
- ≥84.00 - 231.00
- ≥231.00 - 494.00
- ≥494.00 - 1340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

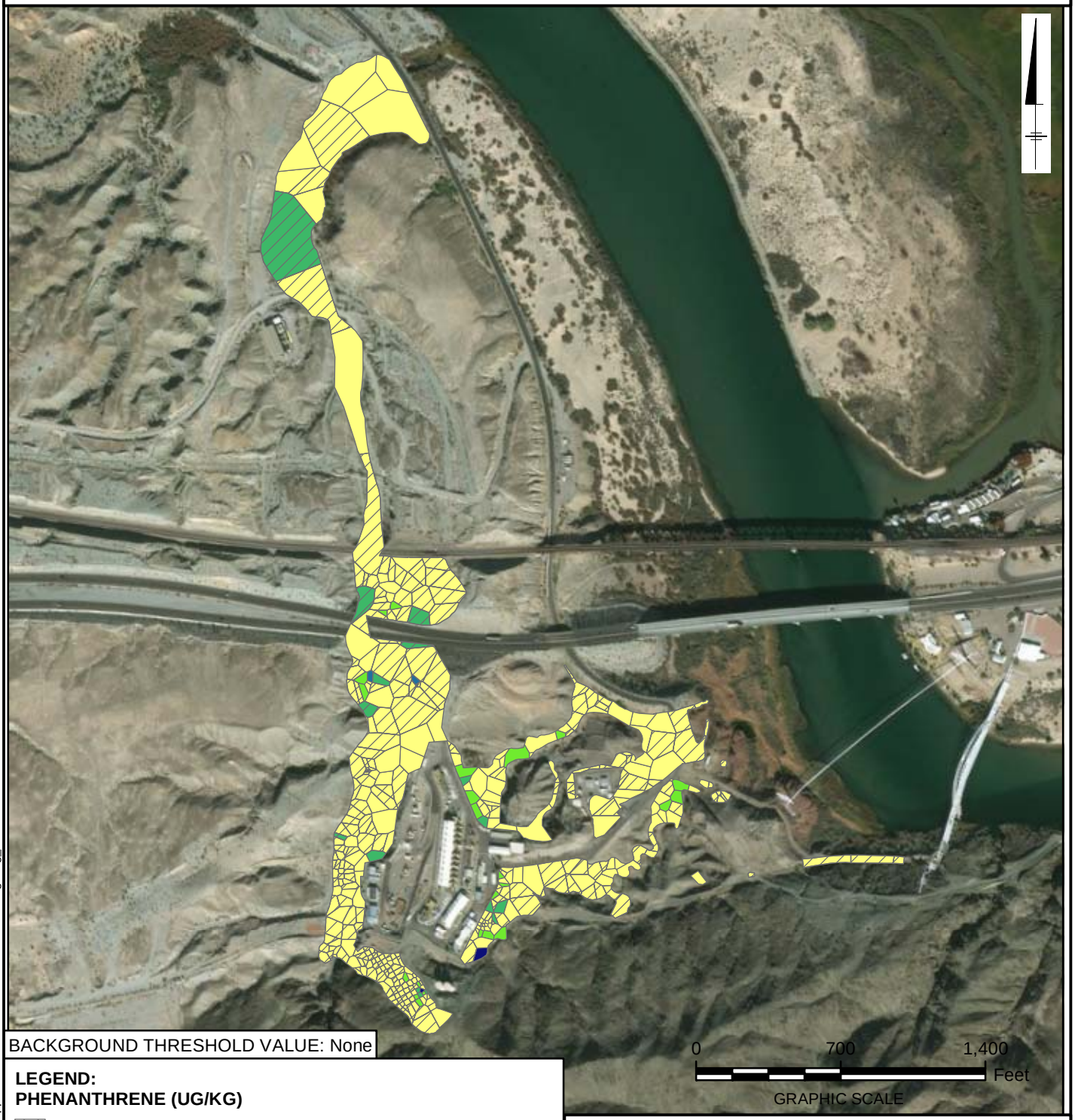
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.191

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 40.40
- ≥40.40 - 130.00
- ≥130.00 - 316.00
- ≥316.00 - 631.00
- ≥631.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

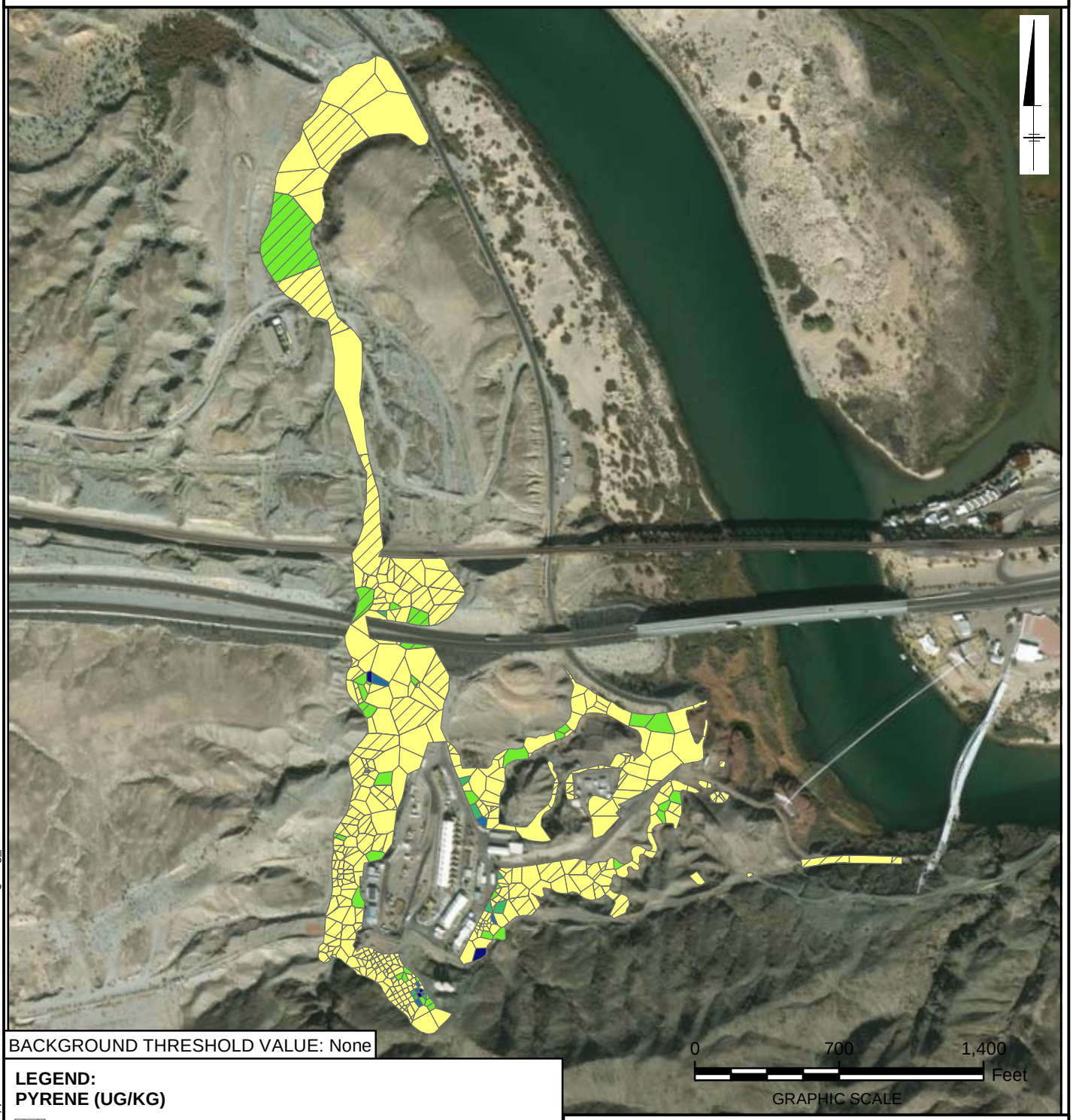
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.192

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 84.70
- ≥84.70 - 279.00
- ≥279.00 - 550.00
- ≥550.00 - 1100.00
- ≥1100.00 - 2200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

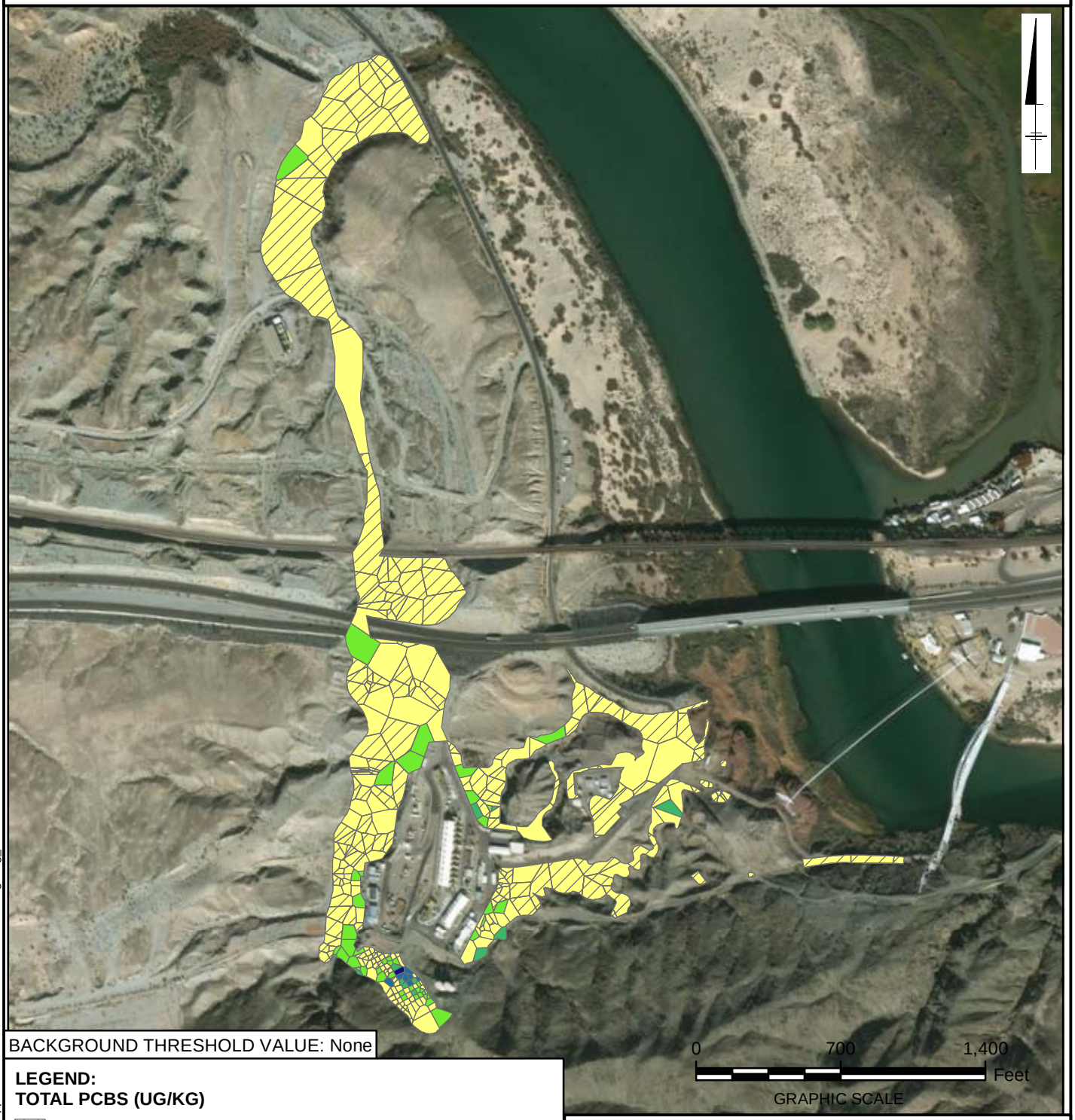
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.193

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 126.00
- ≥126.00 - 439.00
- ≥439.00 - 1470.00
- ≥1470.00 - 3160.00
- ≥3160.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

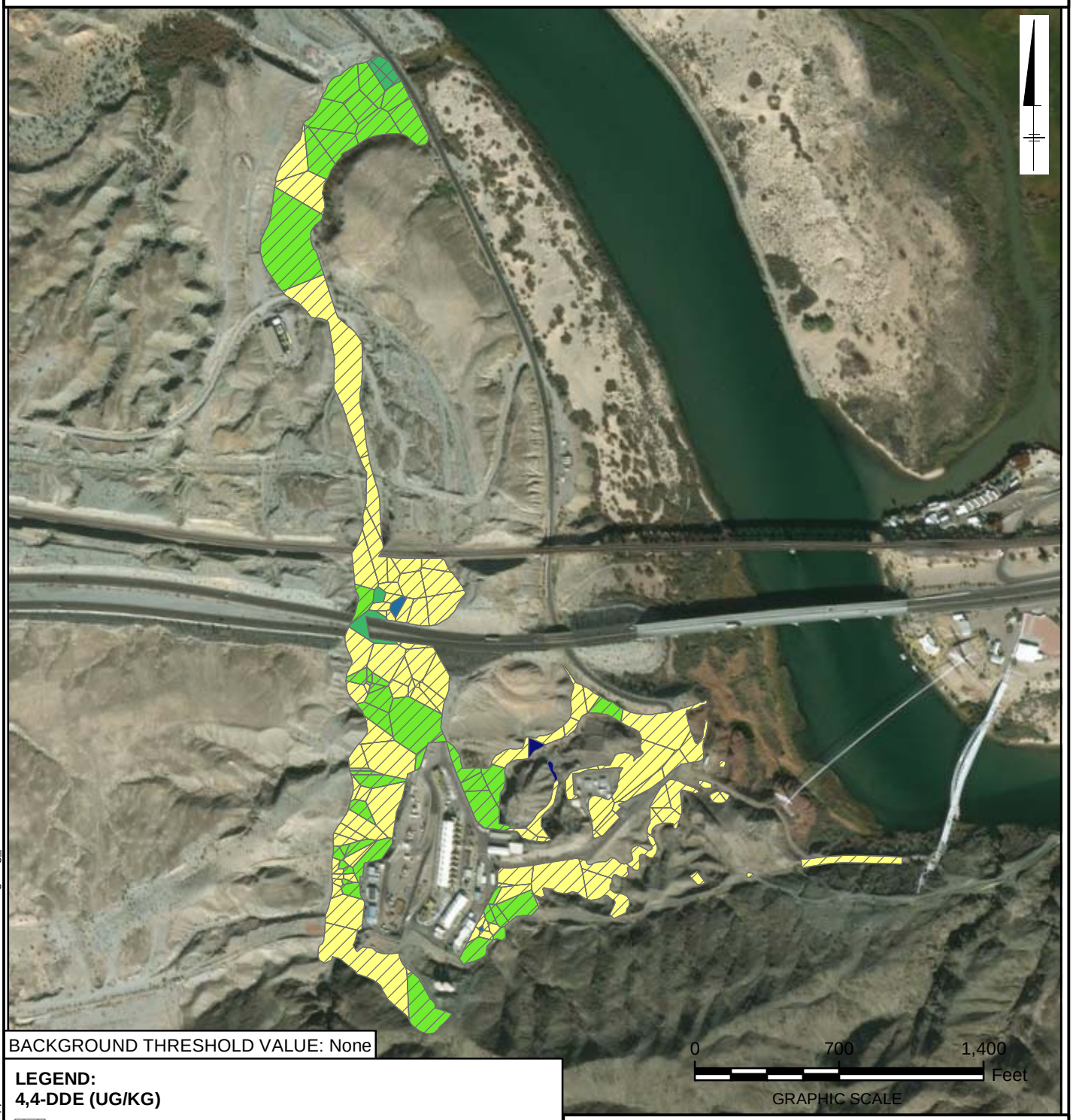
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.194

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
4,4-DDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
4,4-DDE (UG/KG)

- NOT DETECTED
- 1.00 - 1.03
- ≥1.03 - 1.20
- ≥1.20 - 2.06
- ≥2.06 - 3.20
- ≥3.20 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

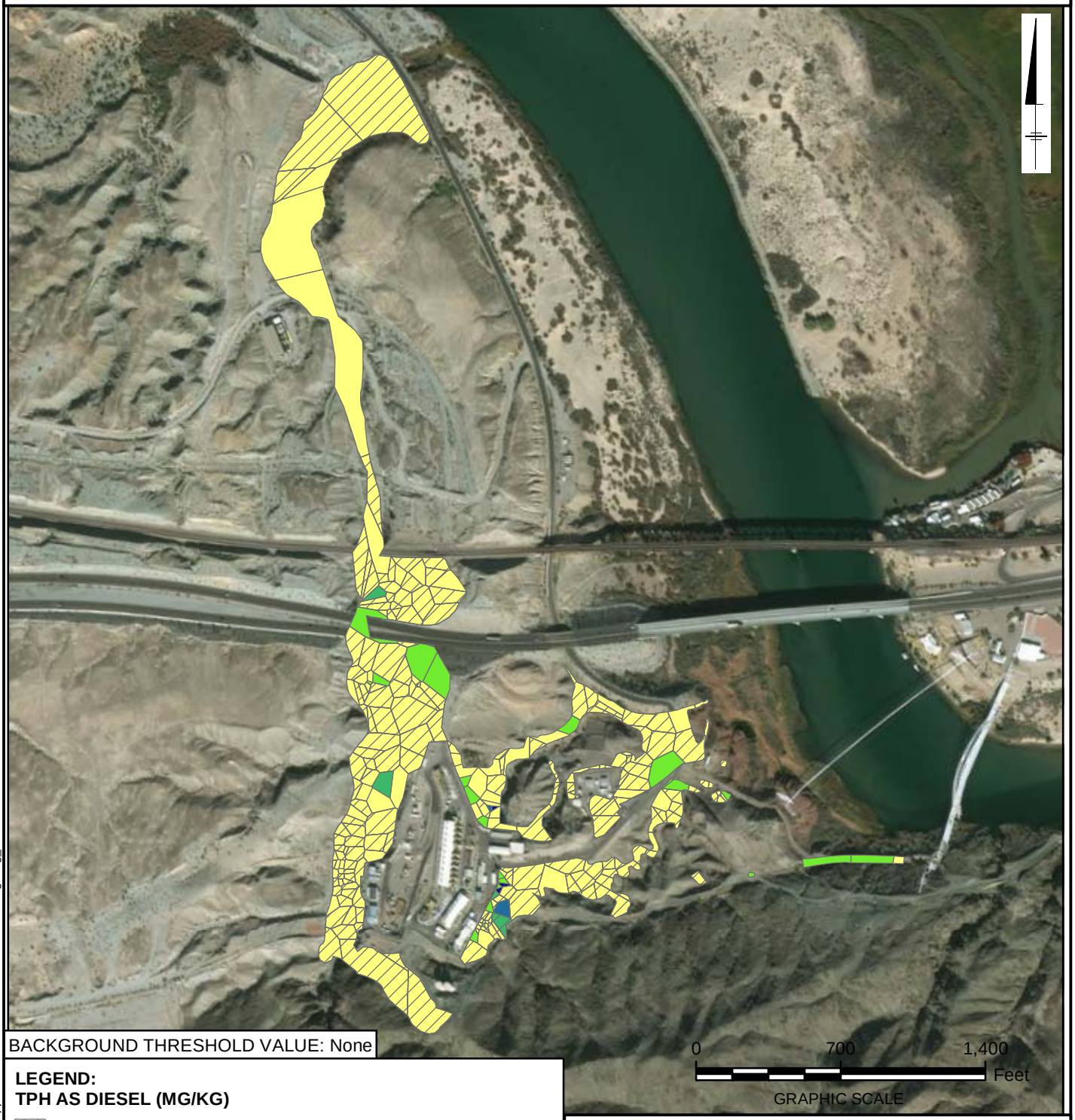
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.195

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 21.80
- ≥21.80 - 77.00
- ≥77.00 - 213.00
- ≥213.00 - 483.00
- ≥483.00 - 804.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

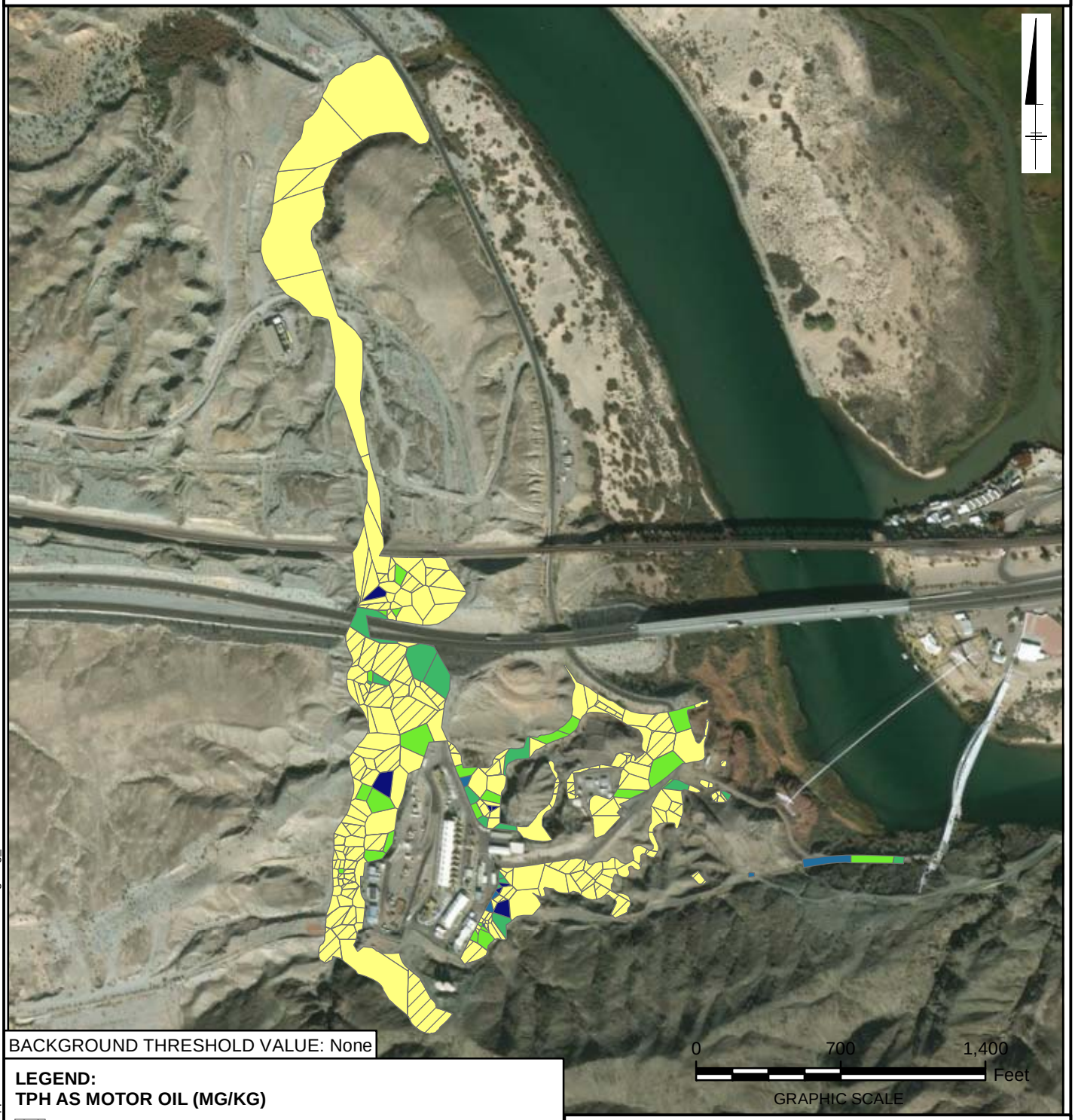
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCS-A3.196

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OUTSIDE THE COMPRESSOR STATION (INCLUDING BCW)
0 - 10 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 43.00
- ≥43.00 - 126.00
- ≥126.00 - 311.00
- ≥311.00 - 580.00
- ≥580.00 - 1790.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCS-1.1A AND OCS-1.1B.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCS-A3.197

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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ATTACHMENT B

Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at OCS Using Depth-Weighted EPCs and Area-Weighted EPCs

Attachment OCS-B1
Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at Areas Outside The Compressor Station Using Depth-Weighted EPCs

Tables

OCS-B1.1a Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCS-B1.1b Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCS-B1.1c Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper
OCS-B1.1d Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCS-B1.1e Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCS-B1.1f Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B1.1g Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User
OCS-B1.2a Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCS-B1.2b Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCS-B1.2c Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper
OCS-B1.2d Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCS-B1.2e Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCS-B1.2f Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B1.2g Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User
OCS-B1.3a Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCS-B1.3b Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCS-B1.3c Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User- Camper
OCS-B1.3d Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCS-B1.3e Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCS-B1.3f Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B1.3g Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User
OCS-B1.4a Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCS-B1.4b Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCS-B1.4c Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper
OCS-B1.4d Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCS-B1.4e Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCS-B1.4f Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B1.4g Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User
OCS-B1.5a Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCS-B1.5b Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCS-B1.5c Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)
OCS-B1.5d Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)

Attachment OCS-B1
Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at Areas Outside The Compressor Station Using Depth-Weighted EPCs

Tables (cont.)

OCS-B1.5e	Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Hiker)
OCS-B1.5f	Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPC: Recreational User (Hiker)
OCS-B1.5g	Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Depth-Weighted EPCs: Recreational User (Hunter)
OCS-B1.5h	Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)
OCS-B1.5i	Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPC: Recreational User (Off-Highway Vehicle Rider)

Table OCS-B1.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.7E-08	NV	NA	2.1E-07	1.2E-08	NV	NA	1.4E-07	6.6E-09	NV	NA	8.1E-08	4.6E-09	NV	NA	5.6E-08
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	6.1E-09	ND	ND	5.7E-12	6.1E-09	1.0E-10	7.1E-11	5.2E-12	6.1E-09	9.3E-11	6.4E-11	3.9E-12	6.1E-09	7.1E-11	4.9E-11
Isophorone	NC	NC	2.6E-08	1.8E-08	NC	NC	2.7E-07	1.8E-07	NC	NC	2.7E-07	1.8E-07	NC	NC	1.6E-07	1.1E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B1.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	1.0E-09	NV	1.9E-08	1.3E-08	9.2E-11	NV	1.7E-09	1.1E-09	1.0E-10	NV	1.9E-09	1.3E-09	1.0E-10	NV	1.8E-09	1.3E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.2E-07	8.3E-08
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	2.1E-12	1.6E-10	5.8E-11	2.6E-11	2.2E-12	1.6E-10	6.0E-11	2.8E-11	2.3E-12	1.6E-10	6.2E-11	2.8E-11	2.3E-12	1.6E-10	6.3E-11	2.9E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.4E-12	1.2E-10	3.8E-11	1.7E-11	1.4E-12	1.2E-10	3.8E-11	1.7E-11	1.3E-12	1.2E-10	3.5E-11	1.6E-11	1.3E-12	1.2E-10	3.6E-11	1.7E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	3.2E-12	1.5E-12	2.9E-11	3.9E-11	6.3E-13	1.5E-12	5.7E-12	7.8E-12	6.2E-13	1.5E-12	5.6E-12	7.6E-12	6.1E-13	1.5E-12	5.5E-12	7.6E-12
4,4-DDT	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11
alpha-Chlordane	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11
Dieldrin	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11
gamma-Chlordane	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11

Table OCS-B1.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	2.6E-10	1.9E-09	7.2E-09	3.3E-09	2.6E-10	1.9E-09	7.0E-09	3.2E-09	2.5E-10	1.9E-09	6.7E-09	3.1E-09	2.4E-10	1.9E-09	6.5E-09	3.0E-09
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	5.4E-14	1.2E-13	2.9E-13	6.7E-13	5.9E-14	1.2E-13	3.2E-13	7.4E-13	6.2E-14	1.2E-13	3.3E-13	7.6E-13	5.8E-14	1.2E-13	3.1E-13	7.2E-13

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.3E-07	NV	NA	1.6E-06	8.8E-08	NV	NA	1.1E-06	4.9E-08	NV	NA	6.1E-07	3.4E-08	NV	NA	4.2E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	8.3E-09	ND	ND	4.3E-11	8.3E-09	1.6E-09	5.3E-10	3.9E-11	8.3E-09	1.4E-09	4.8E-10	2.9E-11	8.3E-09	1.1E-09	3.6E-10
Isophorone	NC	NC	4.0E-07	1.4E-07	NC	NC	4.1E-06	1.4E-06	NC	NC	4.0E-06	1.4E-06	NC	NC	2.4E-06	8.3E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B1.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	7.8E-09	NV	2.8E-07	9.7E-08	6.9E-10	NV	2.5E-08	8.6E-09	7.7E-10	NV	2.8E-08	9.5E-09	7.6E-10	NV	2.8E-08	9.4E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.8E-06	6.2E-07
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.6E-11	2.2E-10	8.6E-10	2.0E-10	1.7E-11	2.2E-10	9.1E-10	2.1E-10	1.7E-11	2.2E-10	9.3E-10	2.1E-10	1.7E-11	2.2E-10	9.4E-10	2.1E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.0E-11	1.6E-10	5.7E-10	1.3E-10	1.0E-11	1.6E-10	5.6E-10	1.3E-10	9.7E-12	1.6E-10	5.3E-10	1.2E-10	1.0E-11	1.6E-10	5.5E-10	1.2E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	2.4E-11	2.1E-12	4.3E-10	3.0E-10	4.7E-12	2.1E-12	8.6E-11	5.9E-11	4.6E-12	2.1E-12	8.4E-11	5.7E-11	4.6E-12	2.1E-12	8.3E-11	5.7E-11
4,4-DDT	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10
alpha-Chlordane	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10
Dieldrin	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10
gamma-Chlordane	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10

Table OCS-B1.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	2.0E-09	2.5E-09	1.1E-07	2.4E-08	1.9E-09	2.5E-09	1.1E-07	2.4E-08	1.9E-09	2.5E-09	1.0E-07	2.3E-08	1.8E-09	2.5E-09	9.7E-08	2.2E-08
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	4.0E-13	1.7E-13	4.4E-12	5.0E-12	4.5E-13	1.7E-13	4.8E-12	5.5E-12	4.6E-13	1.7E-13	5.0E-12	5.7E-12	4.3E-13	1.7E-13	4.7E-12	5.4E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.1c
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	5.5E-10	NV	NA	5.0E-06	3.7E-10	NV	NA	3.3E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	1.9E-08	ND	ND	6.6E-14	1.9E-08	1.2E-10	3.6E-10
Isophorone	NC	NC	3.0E-08	9.2E-08	NC	NC	3.0E-07	9.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC

Table OCS-B1.1c
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	1.2E-11	NV	2.1E-08	6.6E-08	1.1E-12	NV	1.9E-09	5.8E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	2.4E-14	5.0E-10	6.5E-11	1.3E-10	2.6E-14	5.0E-10	6.8E-11	1.4E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.6E-14	3.5E-10	4.2E-11	8.7E-11	1.6E-14	3.5E-10	4.2E-11	8.7E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	3.7E-14	4.6E-12	3.2E-11	2.0E-10	7.2E-15	4.6E-12	6.4E-12	4.0E-11
4,4-DDT	1.8E-14	NV	1.6E-11	9.9E-11	1.8E-14	NV	1.6E-11	9.9E-11
alpha-Chlordane	7.2E-14	NV	6.3E-11	3.9E-10	7.2E-14	NV	6.3E-11	3.9E-10
Dieldrin	4.0E-14	NV	3.5E-11	2.2E-10	4.0E-14	NV	3.5E-11	2.2E-10
gamma-Chlordane	7.8E-14	NV	6.9E-11	4.3E-10	7.8E-14	NV	6.9E-11	4.3E-10

Table OCS-B1.1c
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls								
Total PCBs	3.0E-12	5.7E-09	8.0E-09	1.7E-08	3.0E-12	5.7E-09	7.9E-09	1.6E-08
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans								
TEQ Human	6.2E-16	3.7E-13	3.3E-13	3.4E-12	6.8E-16	3.7E-13	3.6E-13	3.7E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.1d
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.1E-09	NV	NA	9.9E-06	7.4E-10	NV	NA	6.7E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	3.7E-08	ND	ND	1.3E-13	3.7E-08	2.3E-10	7.2E-10
Isophorone	NC	NC	5.9E-08	1.8E-07	NC	NC	6.0E-07	1.9E-06
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC

Table OCS-B1.1d
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	2.4E-11	NV	4.2E-08	1.3E-07	2.1E-12	NV	3.7E-09	1.2E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	4.9E-14	1.0E-09	1.3E-10	2.7E-10	5.1E-14	1.0E-09	1.4E-10	2.8E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	3.2E-14	7.1E-10	8.4E-11	1.7E-10	3.2E-14	7.1E-10	8.4E-11	1.7E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-14	9.2E-12	6.4E-11	4.0E-10	1.4E-14	9.2E-12	1.3E-11	8.0E-11
4,4-DDT	3.6E-14	NV	3.2E-11	2.0E-10	3.6E-14	NV	3.2E-11	2.0E-10
alpha-Chlordane	1.4E-13	NV	1.3E-10	7.9E-10	1.4E-13	NV	1.3E-10	7.9E-10
Dieldrin	8.0E-14	NV	7.1E-11	4.4E-10	8.0E-14	NV	7.1E-11	4.4E-10
gamma-Chlordane	1.6E-13	NV	1.4E-10	8.5E-10	1.6E-13	NV	1.4E-10	8.5E-10

Table OCS-B1.1d
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls								
Total PCBs	6.0E-12	1.1E-08	1.6E-08	3.3E-08	6.0E-12	1.1E-08	1.6E-08	3.3E-08
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans								
TEQ Human	1.2E-15	7.5E-13	6.5E-13	6.8E-12	1.4E-15	7.5E-13	7.2E-13	7.5E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	2.0E-10	NV	NA	3.4E-07	1.3E-10	NV	NA	2.3E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	1.9E-08	ND	ND	6.6E-14	1.9E-08	4.7E-11	1.1E-10
Isophorone	NC	NC	1.2E-08	2.8E-08	NC	NC	1.2E-07	2.9E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC

Table OCS-B1.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	1.2E-11	NV	8.6E-09	2.0E-08	1.1E-12	NV	7.6E-10	1.8E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	2.4E-14	5.0E-10	2.6E-11	4.1E-11	2.6E-14	5.0E-10	2.7E-11	4.3E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.6E-14	3.5E-10	1.7E-11	2.7E-11	1.6E-14	3.5E-10	1.7E-11	2.7E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	3.7E-14	4.6E-12	1.3E-11	6.2E-11	7.2E-15	4.6E-12	2.6E-12	1.2E-11
4,4-DDT	1.8E-14	NV	6.4E-12	3.1E-11	1.8E-14	NV	6.4E-12	3.1E-11
alpha-Chlordane	7.2E-14	NV	2.6E-11	1.2E-10	7.2E-14	NV	2.6E-11	1.2E-10
Dieldrin	4.0E-14	NV	1.4E-11	6.8E-11	4.0E-14	NV	1.4E-11	6.8E-11
gamma-Chlordane	7.8E-14	NV	2.8E-11	1.3E-10	7.8E-14	NV	2.8E-11	1.3E-10

Table OCS-B1.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls								
Total PCBs	3.0E-12	5.7E-09	3.3E-09	5.1E-09	3.0E-12	5.7E-09	3.2E-09	5.1E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans								
TEQ Human	6.2E-16	3.7E-13	1.3E-13	1.0E-12	6.8E-16	3.7E-13	1.5E-13	1.2E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.1f

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	7.1E-08	NV	NA	5.8E-07	4.8E-08	NV	NA	3.9E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	2.3E-09	ND	ND	1.3E-11	2.3E-09	1.1E-09	9.2E-11
Isophorone	NC	NC	2.9E-07	2.3E-08	NC	NC	2.9E-06	2.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC

Table OCS-B1.1f

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	2.4E-09	NV	2.0E-07	1.7E-08	2.1E-10	NV	1.8E-08	1.5E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	4.9E-12	6.2E-11	6.2E-10	3.4E-11	5.1E-12	6.2E-11	6.5E-10	3.6E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	3.2E-12	4.4E-11	4.1E-10	2.2E-11	3.2E-12	4.4E-11	4.1E-10	2.2E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-12	5.7E-13	3.1E-10	5.1E-11	1.5E-12	5.7E-13	6.2E-11	1.0E-11
4,4-DDT	3.6E-12	NV	1.5E-10	2.5E-11	3.6E-12	NV	1.5E-10	2.5E-11
alpha-Chlordane	1.4E-11	NV	6.1E-10	1.0E-10	1.4E-11	NV	6.1E-10	1.0E-10
Dieldrin	8.0E-12	NV	3.4E-10	5.6E-11	8.0E-12	NV	3.4E-10	5.6E-11
gamma-Chlordane	1.6E-11	NV	6.6E-10	1.1E-10	1.6E-11	NV	6.6E-10	1.1E-10

Table OCS-B1.1f

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls								
Total PCBs	6.1E-10	7.1E-10	7.7E-08	4.2E-09	6.0E-10	7.1E-10	7.6E-08	4.2E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans								
TEQ Human	1.2E-13	4.7E-14	3.2E-12	8.6E-13	1.4E-13	4.7E-14	3.5E-12	9.5E-13

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.1g
Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Inorganics				
Antimony	NC	NC	NC	NC
Chromium, Hexavalent	5.7E-11	NV	3.9E-11	NV
Chromium, total	NC	NC	NC	NC
Copper	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC
Lead	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NC
Phosphate	NC	NC	NC	NC
Thallium	NC	NC	NC	NC
Zinc	NC	NC	NC	NC
Volatile Organic Compounds				
Bromomethane	ND	NC	NC	NC
Chloro methane	ND	NC	NC	NC
Chloroform	ND	3.5E-09	1.9E-14	3.5E-09
Isophorone	NC	NC	NC	NC
Methyl acetate	ND	NC	NC	NC

Table OCS-B1.1g
Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Semi-Volatile Organic Compounds				
4-Methylphenol	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	3.5E-12	NV	3.1E-13	NV
Butylbenzylphthalate	ND	NC	ND	NC
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	7.0E-15	9.5E-11	7.4E-15	9.5E-11
2-Methyl naphthalene	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC
Naphthalene	4.6E-15	6.7E-11	4.6E-15	6.7E-11
Phenanthrene	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC
Pesticides				
4,4-DDE	1.1E-14	8.7E-13	2.1E-15	8.7E-13
4,4-DDT	5.2E-15	NV	5.2E-15	NV
alpha-Chlordane	2.1E-14	NV	2.1E-14	NV
Dieldrin	1.2E-14	NV	1.2E-14	NV
gamma-Chlordane	2.2E-14	NV	2.2E-14	NV

Table OCS-B1.1g
Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Polychlorinated Biphenyls				
Total PCBs	8.7E-13	1.1E-09	8.6E-13	1.1E-09
Total Petroleum Hydrocarbons				
TPH as diesel	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC
Dioxins/Furans				
TEQ Human	1.8E-16	7.1E-14	2.0E-16	7.1E-14

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	4.3E-08	NV	7.9E-08	5.4E-07	1.7E-08	NV	3.2E-08	2.2E-07	1.5E-08	NV	2.8E-08	1.9E-07	1.4E-08	NV	2.5E-08	1.7E-07
Chromium, Hexavalent	1.2E-06	NV	NA	1.5E-05	8.2E-07	NV	NA	1.0E-05	4.6E-07	NV	NA	5.7E-06	3.2E-07	NV	NA	3.9E-06
Chromium, total	4.7E-06	NV	8.5E-06	5.8E-05	5.8E-06	NV	1.1E-05	7.2E-05	7.3E-06	NV	1.3E-05	9.0E-05	7.6E-06	NV	1.4E-05	9.4E-05
Copper	2.2E-06	NV	4.0E-06	2.7E-05	2.2E-06	NV	4.0E-06	2.7E-05	1.7E-06	NV	3.0E-06	2.1E-05	1.4E-06	NV	2.5E-06	1.7E-05
Cyanide	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.8E-08	NV	3.3E-08	2.3E-07	3.4E-08	NV	6.1E-08	4.2E-07	5.0E-08	NV	9.1E-08	6.2E-07	3.5E-08	NV	6.3E-08	4.3E-07
Nitrate	2.0E-06	NV	3.6E-06	2.4E-05	2.0E-06	NV	3.6E-06	2.4E-05	2.0E-06	NV	3.6E-06	2.4E-05	2.0E-06	NV	3.6E-06	2.4E-05
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	1.1E-05	NV	2.0E-05	1.4E-04
Phosphate	1.3E-05	NV	2.4E-05	1.6E-04	1.3E-05	NV	2.4E-05	1.6E-04	1.3E-05	NV	2.4E-05	1.6E-04	1.3E-05	NV	2.4E-05	1.6E-04
Thallium	8.8E-08	NV	1.6E-07	1.1E-06	1.9E-08	NV	3.5E-08	2.4E-07	2.0E-08	NV	3.7E-08	2.5E-07	1.9E-08	NV	3.5E-08	2.4E-07
Zinc	3.6E-06	NV	6.5E-06	4.4E-05	3.8E-06	NV	6.9E-06	4.7E-05	3.4E-06	NV	6.1E-06	4.2E-05	3.1E-06	NV	5.7E-06	3.9E-05
Volatile Organic Compounds																
Bromomethane	ND	1.9E-06	ND	ND	9.5E-10	1.9E-06	1.7E-08	1.2E-08	8.6E-10	1.9E-06	1.6E-08	1.1E-08	6.5E-10	1.9E-06	1.2E-08	8.0E-09
Chloro methane	ND	1.0E-06	ND	ND	4.0E-10	1.0E-06	7.3E-09	5.0E-09	3.7E-10	1.0E-06	6.7E-09	4.6E-09	2.9E-10	1.0E-06	5.2E-09	3.6E-09
Chloroform	ND	4.3E-07	ND	ND	4.0E-10	4.3E-07	7.3E-09	5.0E-09	3.6E-10	4.3E-07	6.5E-09	4.5E-09	2.8E-10	4.3E-07	5.0E-09	3.4E-09
Isophorone	1.0E-07	NV	1.9E-06	1.3E-06	1.0E-06	NV	1.9E-05	1.3E-05	1.0E-06	NV	1.9E-05	1.3E-05	6.2E-07	NV	1.1E-05	7.7E-06
Methyl acetate	ND	3.1E-07	ND	ND	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09

Table OCS-B1.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	1.6E-08	NV	2.8E-07	1.9E-07	1.3E-08	NV	2.3E-07	1.6E-07	1.1E-08	NV	2.1E-07	1.4E-07	9.3E-09	NV	1.7E-07	1.1E-07
bis (2-ethylhexyl) phthalate	7.3E-08	NV	1.3E-06	9.0E-07	6.5E-09	NV	1.2E-07	8.0E-08	7.2E-09	NV	1.3E-07	8.9E-08	7.1E-09	NV	1.3E-07	8.8E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	4.7E-07	NV	8.5E-06	5.8E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.5E-10	1.1E-08	4.0E-09	1.8E-09	1.6E-10	1.1E-08	4.2E-09	1.9E-09	1.6E-10	1.1E-08	4.4E-09	2.0E-09	1.6E-10	1.1E-08	4.4E-09	2.0E-09
2-Methyl naphthalene	1.9E-10	1.1E-08	5.0E-09	2.3E-09	2.0E-10	1.1E-08	5.3E-09	2.4E-09	1.6E-10	1.1E-08	4.4E-09	2.0E-09	1.7E-10	1.1E-08	4.5E-09	2.1E-09
Acenaphthene	9.9E-11	3.2E-09	2.7E-09	1.2E-09	9.8E-11	3.2E-09	2.7E-09	1.2E-09	1.1E-10	3.2E-09	3.0E-09	1.4E-09	1.1E-10	3.2E-09	3.1E-09	1.4E-09
Acenaphthylene	1.0E-10	NV	2.8E-09	1.3E-09	1.0E-10	NV	2.7E-09	1.2E-09	9.6E-11	NV	2.6E-09	1.2E-09	9.4E-11	NV	2.6E-09	1.2E-09
Anthracene	1.5E-10	1.1E-09	4.0E-09	1.8E-09	1.4E-10	1.1E-09	3.9E-09	1.8E-09	1.4E-10	1.1E-09	3.8E-09	1.7E-09	1.3E-10	1.1E-09	3.6E-09	1.7E-09
Benzo (ghi) perylene	2.3E-09	NV	6.2E-08	2.8E-08	1.9E-09	NV	5.2E-08	2.4E-08	1.5E-09	NV	4.2E-08	1.9E-08	1.4E-09	NV	3.7E-08	1.7E-08
Fluoranthene	9.7E-09	NV	2.6E-07	1.2E-07	7.6E-09	NV	2.1E-07	9.4E-08	5.6E-09	NV	1.5E-07	7.0E-08	4.7E-09	NV	1.3E-07	5.8E-08
Fluorene	9.8E-11	1.4E-09	2.7E-09	1.2E-09	9.7E-11	1.4E-09	2.6E-09	1.2E-09	9.6E-11	1.4E-09	2.6E-09	1.2E-09	1.0E-10	1.4E-09	2.8E-09	1.3E-09
Naphthalene	9.7E-11	8.1E-09	2.6E-09	1.2E-09	9.7E-11	8.1E-09	2.6E-09	1.2E-09	9.1E-11	8.1E-09	2.5E-09	1.1E-09	9.4E-11	8.1E-09	2.5E-09	1.2E-09
Phenanthrene	3.1E-09	NV	8.5E-08	3.9E-08	2.4E-09	NV	6.6E-08	3.0E-08	1.8E-09	NV	4.9E-08	2.2E-08	1.6E-09	NV	4.4E-08	2.0E-08
Pyrene	8.4E-09	6.9E-09	2.3E-07	1.0E-07	6.6E-09	6.9E-09	1.8E-07	8.2E-08	5.0E-09	6.9E-09	1.4E-07	6.2E-08	4.2E-09	6.9E-09	1.1E-07	5.2E-08
Pesticides																
4,4-DDE	2.2E-10	1.0E-10	2.0E-09	2.8E-09	4.4E-11	1.0E-10	4.0E-10	5.5E-10	4.3E-11	1.0E-10	3.9E-10	5.3E-10	4.3E-11	1.0E-10	3.9E-10	5.3E-10
4,4-DDT	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09
alpha-Chlordane	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09
Dieldrin	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09
gamma-Chlordane	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09

Table OCS-B1.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	1.8E-08	1.3E-07	5.0E-07	2.3E-07	1.8E-08	1.3E-07	4.9E-07	2.2E-07	1.7E-08	1.3E-07	4.7E-07	2.1E-07	1.7E-08	1.3E-07	4.5E-07	2.1E-07
Total Petroleum Hydrocarbons																
TPH as diesel	4.8E-06	3.6E-03	8.7E-05	6.0E-05	3.4E-06	3.6E-03	6.2E-05	4.2E-05	2.4E-06	3.6E-03	4.4E-05	3.0E-05	1.7E-06	3.6E-03	3.2E-05	2.2E-05
TPH as motor oil	1.2E-05	NV	2.1E-04	1.4E-04	8.7E-06	NV	1.6E-04	1.1E-04	7.1E-06	NV	1.3E-04	8.7E-05	5.5E-06	NV	1.0E-04	6.8E-05
Dioxins/Furans																
TEQ Human	3.8E-12	8.6E-12	2.0E-11	4.7E-11	4.2E-12	8.6E-12	2.3E-11	5.2E-11	4.3E-12	8.6E-12	2.3E-11	5.3E-11	4.1E-12	8.6E-12	2.2E-11	5.0E-11

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	1.1E-08	NV	3.9E-08	1.3E-07	4.4E-09	NV	1.6E-08	5.4E-08	3.9E-09	NV	1.4E-08	4.8E-08	3.5E-09	NV	1.3E-08	4.3E-08
Chromium, Hexavalent	3.0E-07	NV	NA	3.8E-06	2.0E-07	NV	NA	2.5E-06	1.2E-07	NV	NA	1.4E-06	8.0E-08	NV	NA	9.9E-07
Chromium, total	1.2E-06	NV	4.3E-06	1.5E-05	1.5E-06	NV	5.3E-06	1.8E-05	1.8E-06	NV	6.6E-06	2.2E-05	1.9E-06	NV	6.9E-06	2.4E-05
Copper	5.5E-07	NV	2.0E-06	6.8E-06	5.5E-07	NV	2.0E-06	6.8E-06	4.2E-07	NV	1.5E-06	5.2E-06	3.4E-07	NV	1.2E-06	4.3E-06
Cyanide	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	4.6E-09	NV	1.7E-08	5.7E-08	8.4E-09	NV	3.1E-08	1.0E-07	1.3E-08	NV	4.5E-08	1.5E-07	8.6E-09	NV	3.1E-08	1.1E-07
Nitrate	4.9E-07	NV	1.8E-06	6.1E-06	4.9E-07	NV	1.8E-06	6.1E-06	4.9E-07	NV	1.8E-06	6.1E-06	4.9E-07	NV	1.8E-06	6.1E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	2.8E-06	NV	1.0E-05	3.5E-05
Phosphate	3.3E-06	NV	1.2E-05	4.0E-05	3.3E-06	NV	1.2E-05	4.0E-05	3.3E-06	NV	1.2E-05	4.0E-05	3.3E-06	NV	1.2E-05	4.0E-05
Thallium	2.2E-08	NV	7.9E-08	2.7E-07	4.8E-09	NV	1.7E-08	5.9E-08	5.1E-09	NV	1.8E-08	6.3E-08	4.8E-09	NV	1.7E-08	6.0E-08
Zinc	9.0E-07	NV	3.2E-06	1.1E-05	9.5E-07	NV	3.4E-06	1.2E-05	8.4E-07	NV	3.0E-06	1.0E-05	7.8E-07	NV	2.8E-06	9.7E-06
Volatile Organic Compounds																
Bromomethane	ND	8.6E-08	ND	ND	2.4E-10	8.6E-08	8.6E-09	2.9E-09	2.1E-10	8.6E-08	7.8E-09	2.7E-09	1.6E-10	8.6E-08	5.9E-09	2.0E-09
Chloro methane	ND	4.6E-08	ND	ND	1.0E-10	4.6E-08	3.6E-09	1.2E-09	9.2E-11	4.6E-08	3.3E-09	1.1E-09	7.3E-11	4.6E-08	2.6E-09	9.0E-10
Chloroform	ND	1.9E-08	ND	ND	1.0E-10	1.9E-08	3.6E-09	1.2E-09	9.0E-11	1.9E-08	3.3E-09	1.1E-09	6.9E-11	1.9E-08	2.5E-09	8.5E-10
Isophorone	2.6E-08	NV	9.3E-07	3.2E-07	2.6E-07	NV	9.5E-06	3.2E-06	2.6E-07	NV	9.4E-06	3.2E-06	1.6E-07	NV	5.7E-06	1.9E-06
Methyl acetate	ND	1.4E-08	ND	ND	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09

Table OCS-B1.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	3.9E-09	NV	1.4E-07	4.9E-08	3.2E-09	NV	1.1E-07	3.9E-08	2.9E-09	NV	1.0E-07	3.5E-08	2.3E-09	NV	8.4E-08	2.9E-08
bis (2-ethylhexyl) phthalate	1.8E-08	NV	6.6E-07	2.3E-07	1.6E-09	NV	5.9E-08	2.0E-08	1.8E-09	NV	6.5E-08	2.2E-08	1.8E-09	NV	6.4E-08	2.2E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	1.2E-07	NV	4.3E-06	1.5E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	3.7E-11	5.2E-10	2.0E-09	4.6E-10	3.9E-11	5.2E-10	2.1E-09	4.8E-10	4.0E-11	5.2E-10	2.2E-09	5.0E-10	4.0E-11	5.2E-10	2.2E-09	5.0E-10
2-Methyl naphthalene	4.6E-11	5.2E-10	2.5E-09	5.8E-10	4.9E-11	5.2E-10	2.7E-09	6.1E-10	4.0E-11	5.2E-10	2.2E-09	5.0E-10	4.2E-11	5.2E-10	2.3E-09	5.1E-10
Acenaphthene	2.5E-11	1.5E-10	1.3E-09	3.1E-10	2.4E-11	1.5E-10	1.3E-09	3.0E-10	2.8E-11	1.5E-10	1.5E-09	3.4E-10	2.8E-11	1.5E-10	1.5E-09	3.5E-10
Acenaphthylene	2.6E-11	NV	1.4E-09	3.2E-10	2.5E-11	NV	1.4E-09	3.1E-10	2.4E-11	NV	1.3E-09	3.0E-10	2.4E-11	NV	1.3E-09	2.9E-10
Anthracene	3.7E-11	4.9E-11	2.0E-09	4.6E-10	3.6E-11	4.9E-11	1.9E-09	4.4E-10	3.5E-11	4.9E-11	1.9E-09	4.3E-10	3.4E-11	4.9E-11	1.8E-09	4.2E-10
Benzo (ghi) perylene	5.7E-10	NV	3.1E-08	7.1E-09	4.8E-10	NV	2.6E-08	5.9E-09	3.9E-10	NV	2.1E-08	4.8E-09	3.4E-10	NV	1.9E-08	4.3E-09
Fluoranthene	2.4E-09	NV	1.3E-07	3.0E-08	1.9E-09	NV	1.0E-07	2.4E-08	1.4E-09	NV	7.6E-08	1.7E-08	1.2E-09	NV	6.4E-08	1.5E-08
Fluorene	2.5E-11	6.6E-11	1.3E-09	3.0E-10	2.4E-11	6.6E-11	1.3E-09	3.0E-10	2.4E-11	6.6E-11	1.3E-09	3.0E-10	2.6E-11	6.6E-11	1.4E-09	3.2E-10
Naphthalene	2.4E-11	3.7E-10	1.3E-09	3.0E-10	2.4E-11	3.7E-10	1.3E-09	3.0E-10	2.3E-11	3.7E-10	1.2E-09	2.8E-10	2.3E-11	3.7E-10	1.3E-09	2.9E-10
Phenanthrene	7.8E-10	NV	4.3E-08	9.7E-09	6.1E-10	NV	3.3E-08	7.6E-09	4.5E-10	NV	2.5E-08	5.6E-09	4.0E-10	NV	2.2E-08	5.0E-09
Pyrene	2.1E-09	3.2E-10	1.1E-07	2.6E-08	1.7E-09	3.2E-10	9.0E-08	2.1E-08	1.3E-09	3.2E-10	6.8E-08	1.5E-08	1.1E-09	3.2E-10	5.7E-08	1.3E-08
Pesticides																
4,4-DDE	5.6E-11	4.8E-12	1.0E-09	6.9E-10	1.1E-11	4.8E-12	2.0E-10	1.4E-10	1.1E-11	4.8E-12	2.0E-10	1.3E-10	1.1E-11	4.8E-12	1.9E-10	1.3E-10
4,4-DDT	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10
alpha-Chlordane	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09
Dieldrin	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10
gamma-Chlordane	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09

Table OCS-B1.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	4.6E-09	5.9E-09	2.5E-07	5.7E-08	4.5E-09	5.9E-09	2.5E-07	5.6E-08	4.3E-09	5.9E-09	2.3E-07	5.3E-08	4.2E-09	5.9E-09	2.3E-07	5.2E-08
Total Petroleum Hydrocarbons																
TPH as diesel	1.2E-06	1.6E-04	4.4E-05	1.5E-05	8.5E-07	1.6E-04	3.1E-05	1.1E-05	6.1E-07	1.6E-04	2.2E-05	7.5E-06	4.4E-07	1.6E-04	1.6E-05	5.4E-06
TPH as motor oil	2.9E-06	NV	1.0E-04	3.6E-05	2.2E-06	NV	7.8E-05	2.7E-05	1.8E-06	NV	6.4E-05	2.2E-05	1.4E-06	NV	5.0E-05	1.7E-05
Dioxins/Furans																
TEQ Human	9.4E-13	3.9E-13	1.0E-11	1.2E-11	1.0E-12	3.9E-13	1.1E-11	1.3E-11	1.1E-12	3.9E-13	1.2E-11	1.3E-11	1.0E-12	3.9E-13	1.1E-11	1.3E-11

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	1.9E-11	NV	1.0E-08	3.5E-07	1.9E-11	NV	1.4E-09	3.3E-08	7.7E-12	NV	4.0E-09	1.4E-07	7.7E-12	NV	5.5E-10	1.3E-08
Chromium, Hexavalent	5.4E-10	NV	NA	9.7E-06	5.4E-10	NV	NA	9.1E-07	3.6E-10	NV	NA	6.5E-06	3.6E-10	NV	NA	6.1E-07
Chromium, total	2.1E-09	NV	1.1E-06	3.8E-05	2.1E-09	NV	1.5E-07	3.5E-06	2.6E-09	NV	1.3E-06	4.6E-05	2.6E-09	NV	1.8E-07	4.4E-06
Copper	9.7E-10	NV	5.1E-07	1.8E-05	9.7E-10	NV	6.9E-08	1.6E-06	9.7E-10	NV	5.1E-07	1.8E-05	9.7E-10	NV	6.9E-08	1.6E-06
Cyanide	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	8.1E-12	NV	4.3E-09	1.5E-07	8.1E-12	NV	5.8E-10	1.4E-08	1.5E-11	NV	7.8E-09	2.7E-07	1.5E-11	NV	1.1E-09	2.5E-08
Nitrate	8.7E-10	NV	4.6E-07	1.6E-05	8.7E-10	NV	6.2E-08	1.5E-06	8.7E-10	NV	4.6E-07	1.6E-05	8.7E-10	NV	6.2E-08	1.5E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	5.8E-09	NV	3.0E-06	1.0E-04	5.8E-09	NV	4.1E-07	9.8E-06	5.8E-09	NV	3.0E-06	1.0E-04	5.8E-09	NV	4.1E-07	9.8E-06
Thallium	3.9E-11	NV	2.0E-08	7.0E-07	3.9E-11	NV	2.8E-09	6.6E-08	8.5E-12	NV	4.4E-09	1.5E-07	8.5E-12	NV	6.1E-10	1.4E-08
Zinc	1.6E-09	NV	8.3E-07	2.9E-05	1.6E-09	NV	1.1E-07	2.7E-06	1.7E-09	NV	8.8E-07	3.0E-05	1.7E-09	NV	1.2E-07	2.8E-06
Volatile Organic Compounds																
Bromomethane	ND	2.2E-07	ND	ND	ND	2.2E-07	ND	ND	4.2E-13	2.2E-07	2.2E-09	7.6E-09	4.2E-13	2.2E-07	3.0E-10	7.1E-10
Chloro methane	ND	1.2E-07	ND	ND	ND	1.2E-07	ND	ND	1.8E-13	1.2E-07	9.3E-10	3.2E-09	1.8E-13	1.2E-07	1.3E-10	3.0E-10
Chloroform	ND	5.0E-08	ND	ND	ND	5.0E-08	ND	ND	1.8E-13	5.0E-08	9.3E-10	3.2E-09	1.8E-13	5.0E-08	1.3E-10	3.0E-10
Isophorone	4.5E-11	NV	2.4E-07	8.2E-07	4.5E-11	NV	3.2E-08	7.7E-08	4.6E-10	NV	2.4E-06	8.4E-06	4.6E-10	NV	3.3E-07	7.8E-07
Methyl acetate	ND	3.6E-08	ND	ND	ND	3.6E-08	ND	ND	2.7E-13	3.6E-08	1.4E-09	5.0E-09	2.7E-13	3.6E-08	2.0E-10	4.7E-10

Table OCS-B1.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	6.9E-12	NV	3.6E-08	1.3E-07	6.9E-12	NV	5.0E-09	1.2E-08	5.6E-12	NV	2.9E-08	1.0E-07	5.6E-12	NV	4.0E-09	9.5E-09
bis (2-ethylhexyl) phthalate	3.2E-11	NV	1.7E-07	5.8E-07	3.2E-11	NV	2.3E-08	5.5E-08	2.9E-12	NV	1.5E-08	5.2E-08	2.9E-12	NV	2.0E-09	4.8E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	6.6E-14	1.3E-09	5.2E-10	1.2E-09	6.6E-14	1.3E-09	7.1E-11	1.1E-10	6.9E-14	1.3E-09	5.4E-10	1.2E-09	6.9E-14	1.3E-09	7.4E-11	1.2E-10
2-Methyl naphthalene	8.2E-14	1.3E-09	6.5E-10	1.5E-09	8.2E-14	1.3E-09	8.8E-11	1.4E-10	8.7E-14	1.3E-09	6.8E-10	1.6E-09	8.7E-14	1.3E-09	9.3E-11	1.5E-10
Acenaphthene	4.4E-14	3.8E-10	3.5E-10	7.9E-10	4.4E-14	3.8E-10	4.7E-11	7.5E-11	4.3E-14	3.8E-10	3.4E-10	7.8E-10	4.3E-14	3.8E-10	4.7E-11	7.3E-11
Acenaphthylene	4.6E-14	NV	3.6E-10	8.3E-10	4.6E-14	NV	4.9E-11	7.8E-11	4.4E-14	NV	3.5E-10	8.0E-10	4.4E-14	NV	4.7E-11	7.5E-11
Anthracene	6.5E-14	1.3E-10	5.1E-10	1.2E-09	6.5E-14	1.3E-10	7.0E-11	1.1E-10	6.3E-14	1.3E-10	5.0E-10	1.1E-09	6.3E-14	1.3E-10	6.8E-11	1.1E-10
Benzo (ghi) perylene	1.0E-12	NV	7.9E-09	1.8E-08	1.0E-12	NV	1.1E-09	1.7E-09	8.4E-13	NV	6.6E-09	1.5E-08	8.4E-13	NV	9.1E-10	1.4E-09
Fluoranthene	4.3E-12	NV	3.4E-08	7.7E-08	4.3E-12	NV	4.6E-09	7.3E-09	3.4E-12	NV	2.6E-08	6.1E-08	3.4E-12	NV	3.6E-09	5.7E-09
Fluorene	4.3E-14	1.7E-10	3.4E-10	7.9E-10	4.3E-14	1.7E-10	4.7E-11	7.4E-11	4.3E-14	1.7E-10	3.4E-10	7.7E-10	4.3E-14	1.7E-10	4.6E-11	7.3E-11
Naphthalene	4.3E-14	9.5E-10	3.4E-10	7.8E-10	4.3E-14	9.5E-10	4.6E-11	7.3E-11	4.3E-14	9.5E-10	3.4E-10	7.7E-10	4.3E-14	9.5E-10	4.6E-11	7.3E-11
Phenanthrene	1.4E-12	NV	1.1E-08	2.5E-08	1.4E-12	NV	1.5E-09	2.4E-09	1.1E-12	NV	8.5E-09	2.0E-08	1.1E-12	NV	1.2E-09	1.8E-09
Pyrene	3.7E-12	8.2E-10	2.9E-08	6.7E-08	3.7E-12	8.2E-10	4.0E-09	6.3E-09	2.9E-12	8.2E-10	2.3E-08	5.3E-08	2.9E-12	8.2E-10	3.2E-09	5.0E-09
Pesticides																
4,4-DDE	9.8E-14	1.2E-11	2.6E-10	1.8E-09	9.8E-14	1.2E-11	3.5E-11	1.7E-10	2.0E-14	1.2E-11	5.1E-11	3.5E-10	2.0E-14	1.2E-11	7.0E-12	3.3E-11
4,4-DDT	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11
alpha-Chlordane	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10
Dieldrin	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10
gamma-Chlordane	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10

Table OCS-B1.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	8.1E-12	1.5E-08	6.4E-08	1.5E-07	8.1E-12	1.5E-08	8.8E-09	1.4E-08	8.0E-12	1.5E-08	6.3E-08	1.5E-07	8.0E-12	1.5E-08	8.6E-09	1.4E-08
Total Petroleum Hydrocarbons																
TPH as diesel	2.1E-09	4.2E-04	1.1E-05	3.9E-05	2.1E-09	4.2E-04	1.5E-06	3.6E-06	1.5E-09	4.2E-04	7.9E-06	2.7E-05	1.5E-09	4.2E-04	1.1E-06	2.6E-06
TPH as motor oil	5.1E-09	NV	2.7E-05	9.2E-05	5.1E-09	NV	3.6E-06	8.6E-06	3.8E-09	NV	2.0E-05	6.9E-05	3.8E-09	NV	2.7E-06	6.5E-06
Dioxins/Furans																
TEQ Human	1.7E-15	1.0E-12	2.6E-12	3.0E-11	1.7E-15	1.0E-12	3.6E-13	2.8E-12	1.8E-15	1.0E-12	2.9E-12	3.3E-11	1.8E-15	1.0E-12	4.0E-13	3.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	3.8E-11	NV	2.0E-08	7.0E-07	3.8E-11	NV	2.8E-09	6.5E-08	1.5E-11	NV	8.1E-09	2.8E-07	1.5E-11	NV	1.1E-09	2.6E-08
Chromium, Hexavalent	1.1E-09	NV	NA	1.9E-05	1.1E-09	NV	NA	1.8E-06	7.2E-10	NV	NA	1.3E-05	7.2E-10	NV	NA	1.2E-06
Chromium, total	4.2E-09	NV	2.2E-06	7.5E-05	4.2E-09	NV	3.0E-07	7.1E-06	5.1E-09	NV	2.7E-06	9.3E-05	5.1E-09	NV	3.7E-07	8.7E-06
Copper	1.9E-09	NV	1.0E-06	3.5E-05	1.9E-09	NV	1.4E-07	3.3E-06	1.9E-09	NV	1.0E-06	3.5E-05	1.9E-09	NV	1.4E-07	3.3E-06
Cyanide	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.6E-11	NV	8.5E-09	2.9E-07	1.6E-11	NV	1.2E-09	2.8E-08	3.0E-11	NV	1.6E-08	5.4E-07	3.0E-11	NV	2.1E-09	5.1E-08
Nitrate	1.7E-09	NV	9.2E-07	3.2E-05	1.7E-09	NV	1.2E-07	3.0E-06	1.7E-09	NV	9.2E-07	3.2E-05	1.7E-09	NV	1.2E-07	3.0E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	1.2E-08	NV	6.1E-06	2.1E-04	1.2E-08	NV	8.3E-07	2.0E-05	1.2E-08	NV	6.1E-06	2.1E-04	1.2E-08	NV	8.3E-07	2.0E-05
Thallium	7.7E-11	NV	4.1E-08	1.4E-06	7.7E-11	NV	5.6E-09	1.3E-07	1.7E-11	NV	8.9E-09	3.1E-07	1.7E-11	NV	1.2E-09	2.9E-08
Zinc	3.2E-09	NV	1.7E-06	5.7E-05	3.2E-09	NV	2.3E-07	5.4E-06	3.4E-09	NV	1.8E-06	6.1E-05	3.4E-09	NV	2.4E-07	5.7E-06
Volatile Organic Compounds																
Bromomethane	ND	4.5E-07	ND	ND	ND	4.5E-07	ND	ND	8.4E-13	4.5E-07	4.4E-09	1.5E-08	8.4E-13	4.5E-07	6.0E-10	1.4E-09
Chloro methane	ND	2.4E-07	ND	ND	ND	2.4E-07	ND	ND	3.5E-13	2.4E-07	1.9E-09	6.4E-09	3.5E-13	2.4E-07	2.5E-10	6.0E-10
Chloroform	ND	1.0E-07	ND	ND	ND	1.0E-07	ND	ND	3.5E-13	1.0E-07	1.9E-09	6.4E-09	3.5E-13	1.0E-07	2.5E-10	6.0E-10
Isophorone	9.0E-11	NV	4.7E-07	1.6E-06	9.0E-11	NV	6.5E-08	1.5E-07	9.2E-10	NV	4.8E-06	1.7E-05	9.2E-10	NV	6.6E-07	1.6E-06
Methyl acetate	ND	7.3E-08	ND	ND	ND	7.3E-08	ND	ND	5.5E-13	7.3E-08	2.9E-09	9.9E-09	5.5E-13	7.3E-08	3.9E-10	9.3E-10

Table OCS-B1.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-11	NV	7.3E-08	2.5E-07	1.4E-11	NV	9.9E-09	2.4E-08	1.1E-11	NV	5.8E-08	2.0E-07	1.1E-11	NV	8.0E-09	1.9E-08
bis (2-ethylhexyl) phthalate	6.4E-11	NV	3.4E-07	1.2E-06	6.4E-11	NV	4.6E-08	1.1E-07	5.7E-12	NV	3.0E-08	1.0E-07	5.7E-12	NV	4.1E-09	9.7E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.3E-13	2.7E-09	1.0E-09	2.4E-09	1.3E-13	2.7E-09	1.4E-10	2.2E-10	1.4E-13	2.7E-09	1.1E-09	2.5E-09	1.4E-13	2.7E-09	1.5E-10	2.3E-10
2-Methyl naphthalene	1.6E-13	2.7E-09	1.3E-09	3.0E-09	1.6E-13	2.7E-09	1.8E-10	2.8E-10	1.7E-13	2.7E-09	1.4E-09	3.1E-09	1.7E-13	2.7E-09	1.9E-10	2.9E-10
Acenaphthene	8.8E-14	7.5E-10	6.9E-10	1.6E-09	8.8E-14	7.5E-10	9.4E-11	1.5E-10	8.6E-14	7.5E-10	6.8E-10	1.6E-09	8.6E-14	7.5E-10	9.3E-11	1.5E-10
Acenaphthylene	9.2E-14	NV	7.2E-10	1.7E-09	9.2E-14	NV	9.9E-11	1.6E-10	8.8E-14	NV	6.9E-10	1.6E-09	8.8E-14	NV	9.5E-11	1.5E-10
Anthracene	1.3E-13	2.5E-10	1.0E-09	2.4E-09	1.3E-13	2.5E-10	1.4E-10	2.2E-10	1.3E-13	2.5E-10	1.0E-09	2.3E-09	1.3E-13	2.5E-10	1.4E-10	2.1E-10
Benzo (ghi) perylene	2.0E-12	NV	1.6E-08	3.7E-08	2.0E-12	NV	2.2E-09	3.4E-09	1.7E-12	NV	1.3E-08	3.1E-08	1.7E-12	NV	1.8E-09	2.9E-09
Fluoranthene	8.5E-12	NV	6.7E-08	1.5E-07	8.5E-12	NV	9.2E-09	1.5E-08	6.7E-12	NV	5.3E-08	1.2E-07	6.7E-12	NV	7.2E-09	1.1E-08
Fluorene	8.7E-14	3.4E-10	6.8E-10	1.6E-09	8.7E-14	3.4E-10	9.3E-11	1.5E-10	8.5E-14	3.4E-10	6.7E-10	1.5E-09	8.5E-14	3.4E-10	9.2E-11	1.5E-10
Naphthalene	8.6E-14	1.9E-09	6.8E-10	1.6E-09	8.6E-14	1.9E-09	9.2E-11	1.5E-10	8.5E-14	1.9E-09	6.7E-10	1.5E-09	8.5E-14	1.9E-09	9.2E-11	1.5E-10
Phenanthrene	2.8E-12	NV	2.2E-08	5.0E-08	2.8E-12	NV	3.0E-09	4.7E-09	2.2E-12	NV	1.7E-08	3.9E-08	2.2E-12	NV	2.3E-09	3.7E-09
Pyrene	7.4E-12	1.6E-09	5.8E-08	1.3E-07	7.4E-12	1.6E-09	8.0E-09	1.3E-08	5.9E-12	1.6E-09	4.6E-08	1.1E-07	5.9E-12	1.6E-09	6.3E-09	1.0E-08
Pesticides																
4,4-DDE	2.0E-13	2.5E-11	5.2E-10	3.6E-09	2.0E-13	2.5E-11	7.1E-11	3.3E-10	3.9E-14	2.5E-11	1.0E-10	7.1E-10	3.9E-14	2.5E-11	1.4E-11	6.6E-11
4,4-DDT	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10
alpha-Chlordane	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10
Dieldrin	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10
gamma-Chlordane	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10

Table OCS-B1.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	1.6E-11	3.1E-08	1.3E-07	3.0E-07	1.6E-11	3.1E-08	1.8E-08	2.8E-08	1.6E-11	3.1E-08	1.3E-07	2.9E-07	1.6E-11	3.1E-08	1.7E-08	2.7E-08
Total Petroleum Hydrocarbons																
TPH as diesel	4.3E-09	8.5E-04	2.2E-05	7.7E-05	4.3E-09	8.5E-04	3.1E-06	7.2E-06	3.0E-09	8.5E-04	1.6E-05	5.5E-05	3.0E-09	8.5E-04	2.2E-06	5.1E-06
TPH as motor oil	1.0E-08	NV	5.3E-05	1.8E-04	1.0E-08	NV	7.3E-06	1.7E-05	7.6E-09	NV	4.0E-05	1.4E-04	7.6E-09	NV	5.5E-06	1.3E-05
Dioxins/Furans																
TEQ Human	3.3E-15	2.0E-12	5.2E-12	6.0E-11	3.3E-15	2.0E-12	7.1E-13	5.6E-12	3.7E-15	2.0E-12	5.8E-12	6.7E-11	3.7E-15	2.0E-12	7.9E-13	6.2E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2e
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	1.9E-11	NV	1.4E-09	3.3E-08	7.7E-12	NV	5.5E-10	1.3E-08
Chromium, Hexavalent	5.4E-10	NV	NA	9.1E-07	3.6E-10	NV	NA	6.1E-07
Chromium, total	2.1E-09	NV	1.5E-07	3.5E-06	2.6E-09	NV	1.8E-07	4.4E-06
Copper	9.7E-10	NV	6.9E-08	1.6E-06	9.7E-10	NV	6.9E-08	1.6E-06
Cyanide	3.5E-12	NV	2.5E-10	6.0E-09	3.5E-12	NV	2.5E-10	6.0E-09
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	8.1E-12	NV	5.8E-10	1.4E-08	1.5E-11	NV	1.1E-09	2.5E-08
Nitrate	8.7E-10	NV	6.2E-08	1.5E-06	8.7E-10	NV	6.2E-08	1.5E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	5.8E-09	NV	4.1E-07	9.8E-06	5.8E-09	NV	4.1E-07	9.8E-06
Thallium	3.9E-11	NV	2.8E-09	6.6E-08	8.5E-12	NV	6.1E-10	1.4E-08
Zinc	1.6E-09	NV	1.1E-07	2.7E-06	1.7E-09	NV	1.2E-07	2.8E-06
Volatile Organic Compounds								
Bromomethane	ND	2.2E-07	ND	ND	4.2E-13	2.2E-07	3.0E-10	7.1E-10
Chloro methane	ND	1.2E-07	ND	ND	1.8E-13	1.2E-07	1.3E-10	3.0E-10
Chloroform	ND	5.0E-08	ND	ND	1.8E-13	5.0E-08	1.3E-10	3.0E-10
Isophorone	4.5E-11	NV	3.2E-08	7.7E-08	4.6E-10	NV	3.3E-07	7.8E-07
Methyl acetate	ND	3.6E-08	ND	ND	2.7E-13	3.6E-08	2.0E-10	4.7E-10

Table OCS-B1.2e
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds								
4-Methylphenol	6.9E-12	NV	5.0E-09	1.2E-08	5.6E-12	NV	4.0E-09	9.5E-09
bis (2-ethylhexyl) phthalate	3.2E-11	NV	2.3E-08	5.5E-08	2.9E-12	NV	2.0E-09	4.8E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	6.6E-14	1.3E-09	7.1E-11	1.1E-10	6.9E-14	1.3E-09	7.4E-11	1.2E-10
2-Methyl naphthalene	8.2E-14	1.3E-09	8.8E-11	1.4E-10	8.7E-14	1.3E-09	9.3E-11	1.5E-10
Acenaphthene	4.4E-14	3.8E-10	4.7E-11	7.5E-11	4.3E-14	3.8E-10	4.7E-11	7.3E-11
Acenaphthylene	4.6E-14	NV	4.9E-11	7.8E-11	4.4E-14	NV	4.7E-11	7.5E-11
Anthracene	6.5E-14	1.3E-10	7.0E-11	1.1E-10	6.3E-14	1.3E-10	6.8E-11	1.1E-10
Benzo (ghi) perylene	1.0E-12	NV	1.1E-09	1.7E-09	8.4E-13	NV	9.1E-10	1.4E-09
Fluoranthene	4.3E-12	NV	4.6E-09	7.3E-09	3.4E-12	NV	3.6E-09	5.7E-09
Fluorene	4.3E-14	1.7E-10	4.7E-11	7.4E-11	4.3E-14	1.7E-10	4.6E-11	7.3E-11
Naphthalene	4.3E-14	9.5E-10	4.6E-11	7.3E-11	4.3E-14	9.5E-10	4.6E-11	7.3E-11
Phenanthrene	1.4E-12	NV	1.5E-09	2.4E-09	1.1E-12	NV	1.2E-09	1.8E-09
Pyrene	3.7E-12	8.2E-10	4.0E-09	6.3E-09	2.9E-12	8.2E-10	3.2E-09	5.0E-09
Pesticides								
4,4-DDE	9.8E-14	1.2E-11	3.5E-11	1.7E-10	2.0E-14	1.2E-11	7.0E-12	3.3E-11
4,4-DDT	4.8E-14	NV	1.7E-11	8.2E-11	4.8E-14	NV	1.7E-11	8.2E-11
alpha-Chlordane	1.9E-13	NV	6.9E-11	3.3E-10	1.9E-13	NV	6.9E-11	3.3E-10
Dieldrin	1.1E-13	NV	3.9E-11	1.8E-10	1.1E-13	NV	3.9E-11	1.8E-10
gamma-Chlordane	2.1E-13	NV	7.5E-11	3.6E-10	2.1E-13	NV	7.5E-11	3.6E-10

Table OCS-B1.2e
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls								
Total PCBs	8.1E-12	1.5E-08	8.8E-09	1.4E-08	8.0E-12	1.5E-08	8.6E-09	1.4E-08
Total Petroleum Hydrocarbons								
TPH as diesel	2.1E-09	4.2E-04	1.5E-06	3.6E-06	1.5E-09	4.2E-04	1.1E-06	2.6E-06
TPH as motor oil	5.1E-09	NV	3.6E-06	8.6E-06	3.8E-09	NV	2.7E-06	6.5E-06
Dioxins/Furans								
TEQ Human	1.7E-15	1.0E-12	3.6E-13	2.8E-12	1.8E-15	1.0E-12	4.0E-13	3.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2f
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	3.8E-09	NV	3.7E-08	4.9E-08	3.8E-09	NV	3.1E-08	2.0E-08	1.5E-09	NV	1.5E-08	2.0E-08	1.5E-09	NV	1.3E-08	8.1E-09
Chromium, Hexavalent	1.1E-07	NV	NA	1.4E-06	1.1E-07	NV	NA	5.6E-07	7.2E-08	NV	NA	9.2E-07	7.2E-08	NV	NA	3.8E-07
Chromium, total	4.2E-07	NV	4.0E-06	5.3E-06	4.2E-07	NV	3.4E-06	2.2E-06	5.1E-07	NV	4.9E-06	6.5E-06	5.1E-07	NV	4.2E-06	2.7E-06
Copper	1.9E-07	NV	1.8E-06	2.5E-06	1.9E-07	NV	1.6E-06	1.0E-06	1.9E-07	NV	1.8E-06	2.5E-06	1.9E-07	NV	1.6E-06	1.0E-06
Cyanide	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.6E-09	NV	1.5E-08	2.1E-08	1.6E-09	NV	1.3E-08	8.5E-09	3.0E-09	NV	2.8E-08	3.8E-08	3.0E-09	NV	2.4E-08	1.6E-08
Nitrate	1.7E-07	NV	1.7E-06	2.2E-06	1.7E-07	NV	1.4E-06	9.2E-07	1.7E-07	NV	1.7E-06	2.2E-06	1.7E-07	NV	1.4E-06	9.2E-07
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	1.2E-06	NV	1.1E-05	1.5E-05	1.2E-06	NV	9.5E-06	6.1E-06	1.2E-06	NV	1.1E-05	1.5E-05	1.2E-06	NV	9.5E-06	6.1E-06
Thallium	7.8E-09	NV	7.4E-08	9.9E-08	7.8E-09	NV	6.3E-08	4.1E-08	1.7E-09	NV	1.6E-08	2.2E-08	1.7E-09	NV	1.4E-08	8.9E-09
Zinc	3.2E-07	NV	3.0E-06	4.0E-06	3.2E-07	NV	2.6E-06	1.7E-06	3.4E-07	NV	3.2E-06	4.3E-06	3.4E-07	NV	2.7E-06	1.8E-06
Volatile Organic Compounds																
Bromomethane	ND	2.8E-08	ND	ND	ND	2.8E-08	ND	ND	8.4E-11	2.8E-08	8.0E-09	1.1E-09	8.4E-11	2.8E-08	6.9E-09	4.4E-10
Chloro methane	ND	1.5E-08	ND	ND	ND	1.5E-08	ND	ND	3.6E-11	1.5E-08	3.4E-09	4.5E-10	3.6E-11	1.5E-08	2.9E-09	1.9E-10
Chloroform	ND	6.3E-09	ND	ND	ND	6.3E-09	ND	ND	3.6E-11	6.3E-09	3.4E-09	4.5E-10	3.6E-11	6.3E-09	2.9E-09	1.9E-10
Isophorone	9.1E-09	NV	8.6E-07	1.2E-07	9.1E-09	NV	7.4E-07	4.7E-08	9.3E-08	NV	8.8E-06	1.2E-06	9.3E-08	NV	7.6E-06	4.8E-07
Methyl acetate	ND	4.6E-09	ND	ND	ND	4.6E-09	ND	ND	5.5E-11	4.6E-09	5.2E-09	7.0E-10	5.5E-11	4.6E-09	4.5E-09	2.9E-10

Table OCS-B1.2f
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-09	NV	1.3E-07	1.8E-08	1.4E-09	NV	1.1E-07	7.3E-09	1.1E-09	NV	1.1E-07	1.4E-08	1.1E-09	NV	9.1E-08	5.8E-09
bis (2-ethylhexyl) phthalate	6.5E-09	NV	6.2E-07	8.2E-08	6.5E-09	NV	5.3E-07	3.4E-08	5.7E-10	NV	5.5E-08	7.3E-09	5.7E-10	NV	4.7E-08	3.0E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.3E-11	1.7E-10	1.9E-09	1.7E-10	1.3E-11	1.7E-10	1.6E-09	6.9E-11	1.4E-11	1.7E-10	2.0E-09	1.8E-10	1.4E-11	1.7E-10	1.7E-09	7.2E-11
2-Methyl naphthalene	1.6E-11	1.7E-10	2.4E-09	2.1E-10	1.6E-11	1.7E-10	2.0E-09	8.6E-11	1.7E-11	1.7E-10	2.5E-09	2.2E-10	1.7E-11	1.7E-10	2.1E-09	9.1E-11
Acenaphthene	8.8E-12	4.7E-11	1.3E-09	1.1E-10	8.8E-12	4.7E-11	1.1E-09	4.6E-11	8.7E-12	4.7E-11	1.2E-09	1.1E-10	8.7E-12	4.7E-11	1.1E-09	4.5E-11
Acenaphthylene	9.2E-12	NV	1.3E-09	1.2E-10	9.2E-12	NV	1.1E-09	4.8E-11	8.8E-12	NV	1.3E-09	1.1E-10	8.8E-12	NV	1.1E-09	4.6E-11
Anthracene	1.3E-11	1.6E-11	1.9E-09	1.7E-10	1.3E-11	1.6E-11	1.6E-09	6.8E-11	1.3E-11	1.6E-11	1.8E-09	1.6E-10	1.3E-11	1.6E-11	1.6E-09	6.6E-11
Benzo (ghi) perylene	2.0E-10	NV	2.9E-08	2.6E-09	2.0E-10	NV	2.5E-08	1.1E-09	1.7E-10	NV	2.4E-08	2.1E-09	1.7E-10	NV	2.1E-08	8.8E-10
Fluoranthene	8.6E-10	NV	1.2E-07	1.1E-08	8.6E-10	NV	1.1E-07	4.5E-09	6.7E-10	NV	9.6E-08	8.5E-09	6.7E-10	NV	8.2E-08	3.5E-09
Fluorene	8.7E-12	2.1E-11	1.2E-09	1.1E-10	8.7E-12	2.1E-11	1.1E-09	4.6E-11	8.6E-12	2.1E-11	1.2E-09	1.1E-10	8.6E-12	2.1E-11	1.1E-09	4.5E-11
Naphthalene	8.6E-12	1.2E-10	1.2E-09	1.1E-10	8.6E-12	1.2E-10	1.1E-09	4.5E-11	8.6E-12	1.2E-10	1.2E-09	1.1E-10	8.6E-12	1.2E-10	1.1E-09	4.5E-11
Phenanthrene	2.8E-10	NV	4.0E-08	3.5E-09	2.8E-10	NV	3.4E-08	1.5E-09	2.2E-10	NV	3.1E-08	2.8E-09	2.2E-10	NV	2.7E-08	1.1E-09
Pyrene	7.4E-10	1.0E-10	1.1E-07	9.5E-09	7.4E-10	1.0E-10	9.1E-08	3.9E-09	5.9E-10	1.0E-10	8.4E-08	7.5E-09	5.9E-10	1.0E-10	7.2E-08	3.1E-09
Pesticides																
4,4-DDE	2.0E-11	1.5E-12	9.4E-10	2.5E-10	2.0E-11	1.5E-12	8.1E-10	1.0E-10	3.9E-12	1.5E-12	1.9E-10	5.0E-11	3.9E-12	1.5E-12	1.6E-10	2.1E-11
4,4-DDT	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11
alpha-Chlordane	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10
Dieldrin	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10
gamma-Chlordane	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10

Table OCS-B1.2f
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polychlorinated Biphenyls																
Total PCBs	1.6E-09	1.9E-09	2.3E-07	2.1E-08	1.6E-09	1.9E-09	2.0E-07	8.6E-09	1.6E-09	1.9E-09	2.3E-07	2.0E-08	1.6E-09	1.9E-09	2.0E-07	8.4E-09
Total Petroleum Hydrocarbons																
TPH as diesel	4.3E-07	5.3E-05	4.1E-05	5.4E-06	4.3E-07	5.3E-05	3.5E-05	2.2E-06	3.0E-07	5.3E-05	2.9E-05	3.8E-06	3.0E-07	5.3E-05	2.5E-05	1.6E-06
TPH as motor oil	1.0E-06	NV	9.7E-05	1.3E-05	1.0E-06	NV	8.3E-05	5.3E-06	7.7E-07	NV	7.3E-05	9.7E-06	7.7E-07	NV	6.3E-05	4.0E-06
Dioxins/Furans																
TEQ Human	3.3E-13	1.3E-13	9.5E-12	4.2E-12	3.3E-13	1.3E-13	8.2E-12	1.7E-12	3.7E-13	1.3E-13	1.1E-11	4.7E-12	3.7E-13	1.3E-13	9.0E-12	1.9E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.2g
Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Inorganics				
Antimony	2.4E-12	NV	9.6E-13	NV
Chromium, Hexavalent	6.7E-11	NV	4.5E-11	NV
Chromium, total	2.6E-10	NV	3.2E-10	NV
Copper	1.2E-10	NV	1.2E-10	NV
Cyanide	4.4E-13	NV	4.4E-13	NV
Lead	na	na	na	na
Mercury (inorganic)	1.0E-12	NV	1.9E-12	NV
Nitrate	1.1E-10	NV	1.1E-10	NV
Orthophosphate	NS	NV	NS	NV
Phosphate	7.2E-10	NV	7.2E-10	NV
Thallium	4.8E-12	NV	1.1E-12	NV
Zinc	2.0E-10	NV	2.1E-10	NV
Volatile Organic Compounds				
Bromomethane	ND	1.8E-08	5.2E-14	1.8E-08
Chloro methane	ND	9.8E-09	2.2E-14	9.8E-09
Chloroform	ND	4.1E-09	2.2E-14	4.1E-09
Isophorone	5.6E-12	NV	5.8E-11	NV
Methyl acetate	ND	3.0E-09	3.4E-14	3.0E-09

Table OCS-B1.2g
Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Semi-Volatile Organic Compounds				
4-Methylphenol	8.7E-13	NV	7.0E-13	NV
bis (2-ethylhexyl) phthalate	4.0E-12	NV	3.6E-13	NV
Butylbenzylphthalate	ND	NV	ND	NV
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	8.2E-15	1.1E-10	8.6E-15	1.1E-10
2-Methyl naphthalene	1.0E-14	1.1E-10	1.1E-14	1.1E-10
Acenaphthene	5.5E-15	3.1E-11	5.4E-15	3.1E-11
Acenaphthylene	5.7E-15	NV	5.5E-15	NV
Anthracene	8.1E-15	1.0E-11	7.9E-15	1.0E-11
Benzo (ghi) perylene	1.3E-13	NV	1.1E-13	NV
Fluoranthene	5.3E-13	NV	4.2E-13	NV
Fluorene	5.4E-15	1.4E-11	5.3E-15	1.4E-11
Naphthalene	5.4E-15	7.8E-11	5.3E-15	7.8E-11
Phenanthrene	1.7E-13	NV	1.3E-13	NV
Pyrene	4.6E-13	6.7E-11	3.7E-13	6.7E-11
Pesticides				
4,4-DDE	1.2E-14	1.0E-12	2.4E-15	1.0E-12
4,4-DDT	6.0E-15	NV	6.0E-15	NV
alpha-Chlordane	2.4E-14	NV	2.4E-14	NV
Dieldrin	1.3E-14	NV	1.3E-14	NV
gamma-Chlordane	2.6E-14	NV	2.6E-14	NV

Table OCS-B1.2g
Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Polychlorinated Biphenyls				
Total PCBs	1.0E-12	1.3E-09	1.0E-12	1.3E-09
Total Petroleum Hydrocarbons				
TPH as diesel	2.7E-10	3.5E-05	1.9E-10	3.5E-05
TPH as motor oil	6.3E-10	NV	4.8E-10	NV
Dioxins/Furans				
TEQ Human	2.1E-16	8.3E-14	2.3E-16	8.3E-14

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3a
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	2.6E-06	NV	NA	1.1E-07	2.7E-06	1.8E-06	NV	NA	7.2E-08	1.8E-06	9.9E-07	NV	NA	4.1E-08	1.0E-06	6.8E-07	NV	NA	2.8E-08	7.1E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.4E-10	ND	ND	1.4E-10	1.3E-13	1.4E-10	3.2E-12	2.2E-12	1.5E-10	1.2E-13	1.4E-10	2.9E-12	2.0E-12	1.4E-10	9.0E-14	1.4E-10	2.2E-12	1.5E-12	1.4E-10
Isophorone	NC	NC	2.5E-11	1.7E-11	4.2E-11	NC	NC	2.6E-10	1.8E-10	4.3E-10	NC	NC	2.5E-10	1.7E-10	4.3E-10	NC	NC	1.5E-10	1.0E-10	2.6E-10
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B1.3a
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	2.5E-12	NV	2.6E-10	1.8E-10	4.5E-10	2.2E-13	NV	2.3E-11	1.6E-11	4.0E-11	2.5E-13	NV	2.6E-11	1.8E-11	4.4E-11	2.4E-13	NV	2.6E-11	1.8E-11	4.4E-11
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	2.3E-10	1.6E-10	3.9E-10
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.5E-14	1.2E-12	1.7E-12	7.6E-13	3.6E-12	1.6E-14	1.2E-12	1.7E-12	8.0E-13	3.7E-12	1.7E-14	1.2E-12	1.8E-12	8.2E-13	3.8E-12	1.7E-14	1.2E-12	1.8E-12	8.3E-13	3.8E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	4.7E-14	3.9E-12	4.5E-12	2.1E-12	1.1E-11	4.7E-14	3.9E-12	4.5E-12	2.1E-12	1.1E-11	4.4E-14	3.9E-12	4.2E-12	1.9E-12	1.0E-11	4.6E-14	3.9E-12	4.4E-12	2.0E-12	1.0E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	3.1E-13	1.5E-13	9.8E-12	1.3E-11	2.4E-11	6.1E-14	1.5E-13	1.9E-12	2.7E-12	4.8E-12	6.0E-14	1.5E-13	1.9E-12	2.6E-12	4.7E-12	5.9E-14	1.5E-13	1.9E-12	2.6E-12	4.7E-12
4,4-DDT	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11
alpha-Chlordane	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10
Dieldrin	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09
gamma-Chlordane	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10

Table OCS-B1.3a
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polychlorinated Biphenyls																				
Total PCBs	1.5E-10	1.1E-09	1.4E-08	6.5E-09	2.2E-08	1.5E-10	1.1E-09	1.4E-08	6.4E-09	2.2E-08	1.4E-10	1.1E-09	1.3E-08	6.1E-09	2.1E-08	1.4E-10	1.1E-09	1.3E-08	5.9E-09	2.0E-08
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	2.0E-09	4.6E-09	3.8E-08	8.6E-08	1.3E-07	2.3E-09	4.6E-09	4.2E-08	9.6E-08	1.4E-07	2.3E-09	4.6E-09	4.3E-08	9.9E-08	1.5E-07	2.2E-09	4.6E-09	4.1E-08	9.3E-08	1.4E-07
Cumulative ILCR	**3E-06**	**6E-09**	**5E-08**	**2E-07**	**3E-06**	**2E-06**	**6E-09**	**6E-08**	**2E-07**	**2E-06**	**1E-06**	**6E-09**	**6E-08**	**1E-07**	**1E-06**	**7E-07**	**6E-09**	**5E-08**	**1E-07**	**9E-07**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3b
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.9E-05	NV	NA	8.0E-07	2.0E-05	1.3E-05	NV	NA	5.4E-07	1.4E-05	7.4E-06	NV	NA	3.1E-07	7.7E-06	5.1E-06	NV	NA	2.1E-07	5.3E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.9E-10	ND	ND	1.9E-10	9.9E-13	1.9E-10	4.8E-11	1.7E-11	2.6E-10	8.9E-13	1.9E-10	4.3E-11	1.5E-11	2.5E-10	6.8E-13	1.9E-10	3.3E-11	1.1E-11	2.4E-10
Isophorone	NC	NC	3.8E-10	1.3E-10	5.1E-10	NC	NC	3.8E-09	1.3E-09	5.2E-09	NC	NC	3.8E-09	1.3E-09	5.1E-09	NC	NC	2.3E-09	7.9E-10	3.1E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B1.3b
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	1.9E-11	NV	4.0E-09	1.4E-09	5.3E-09	1.7E-12	NV	3.5E-10	1.2E-10	4.7E-10	1.9E-12	NV	3.9E-10	1.3E-10	5.3E-10	1.8E-12	NV	3.9E-10	1.3E-10	5.2E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	3.5E-09	1.2E-09	4.7E-09
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.2E-13	1.6E-12	2.5E-11	5.7E-12	3.3E-11	1.2E-13	1.6E-12	2.6E-11	6.0E-12	3.4E-11	1.2E-13	1.6E-12	2.7E-11	6.2E-12	3.5E-11	1.3E-13	1.6E-12	2.7E-11	6.2E-12	3.5E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	3.5E-13	5.4E-12	6.8E-11	1.5E-11	8.9E-11	3.5E-13	5.4E-12	6.8E-11	1.5E-11	8.9E-11	3.3E-13	5.4E-12	6.3E-11	1.4E-11	8.4E-11	3.4E-13	5.4E-12	6.6E-11	1.5E-11	8.6E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	2.3E-12	2.0E-13	1.5E-10	1.0E-10	2.5E-10	4.6E-13	2.0E-13	2.9E-11	2.0E-11	5.0E-11	4.5E-13	2.0E-13	2.8E-11	1.9E-11	4.8E-11	4.4E-13	2.0E-13	2.8E-11	1.9E-11	4.8E-11
4,4-DDT	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10
alpha-Chlordane	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09
Dieldrin	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08
gamma-Chlordane	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09

Table OCS-B1.3b
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polychlorinated Biphenyls																				
Total PCBs	1.1E-09	1.4E-09	2.1E-07	4.9E-08	2.7E-07	1.1E-09	1.4E-09	2.1E-07	4.8E-08	2.6E-07	1.1E-09	1.4E-09	2.0E-07	4.6E-08	2.5E-07	1.0E-09	1.4E-09	1.9E-07	4.4E-08	2.4E-07
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	1.5E-08	6.4E-09	5.7E-07	6.5E-07	1.2E-06	1.7E-08	6.4E-09	6.3E-07	7.2E-07	1.4E-06	1.8E-08	6.4E-09	6.5E-07	7.4E-07	1.4E-06	1.7E-08	6.4E-09	6.1E-07	7.0E-07	1.3E-06
Cumulative ILCR	**2E-05**	**8E-09**	**8E-07**	**2E-06**	**2E-05**	**1E-05**	**8E-09**	**9E-07**	**1E-06**	**2E-05**	**7E-06**	**8E-09**	**9E-07**	**1E-06**	**9E-06**	**5E-06**	**8E-09**	**8E-07**	**1E-06**	**7E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3c
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	8.3E-08	NV	NA	2.5E-06	2.6E-06	5.6E-08	NV	NA	1.7E-06	1.7E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	4.3E-10	ND	ND	4.3E-10	1.5E-15	4.3E-10	3.6E-12	1.1E-11	4.4E-10
Isophorone	NC	NC	2.8E-11	8.7E-11	1.2E-10	NC	NC	2.9E-10	8.9E-10	1.2E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--

Table OCS-B1.3c
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	2.9E-14	NV	3.0E-10	9.2E-10	1.2E-09	2.5E-15	NV	2.6E-11	8.1E-11	1.1E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	1.8E-16	3.6E-12	1.9E-12	3.9E-12	9.4E-12	1.8E-16	3.6E-12	2.0E-12	4.1E-12	9.6E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	5.4E-16	1.2E-11	5.1E-12	1.0E-11	2.8E-11	5.4E-16	1.2E-11	5.0E-12	1.0E-11	2.8E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	3.5E-15	4.4E-13	1.1E-11	6.8E-11	8.0E-11	7.0E-16	4.4E-13	2.2E-12	1.4E-11	1.6E-11
4,4-DDT	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11
alpha-Chlordane	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10
Dieldrin	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09
gamma-Chlordane	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10

Table OCS-B1.3c
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polychlorinated Biphenyls										
Total PCBs	1.7E-12	3.2E-09	1.6E-08	3.3E-08	5.2E-08	1.7E-12	3.2E-09	1.6E-08	3.3E-08	5.2E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans										
TEQ Human	2.3E-11	1.4E-08	4.2E-08	4.4E-07	5.0E-07	2.6E-11	1.4E-08	4.7E-08	4.9E-07	5.5E-07
Cumulative ILCR	**8E-08**	**2E-08**	**6E-08**	**3E-06**	**3E-06**	**6E-08**	**2E-08**	**6E-08**	**2E-06**	**2E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3d
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.7E-07	NV	NA	5.0E-06	5.1E-06	1.1E-07	NV	NA	3.3E-06	3.5E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	8.5E-10	ND	ND	8.5E-10	3.0E-15	8.5E-10	7.2E-12	2.2E-11	8.8E-10
Isophorone	NC	NC	5.6E-11	1.7E-10	2.3E-10	NC	NC	5.7E-10	1.8E-09	2.4E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--

Table OCS-B1.3d
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	5.7E-14	NV	5.9E-10	1.8E-09	2.4E-09	5.1E-15	NV	5.2E-11	1.6E-10	2.2E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	3.5E-16	7.2E-12	3.7E-12	7.8E-12	1.9E-11	3.7E-16	7.2E-12	3.9E-12	8.1E-12	1.9E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.1E-15	2.4E-11	1.0E-11	2.1E-11	5.5E-11	1.1E-15	2.4E-11	1.0E-11	2.1E-11	5.5E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-15	8.9E-13	2.2E-11	1.4E-10	1.6E-10	1.4E-15	8.9E-13	4.3E-12	2.7E-11	3.2E-11
4,4-DDT	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11
alpha-Chlordane	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09
Dieldrin	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09
gamma-Chlordane	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09

Table OCS-B1.3d
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polychlorinated Biphenyls										
Total PCBs	3.4E-12	6.5E-09	3.2E-08	6.6E-08	1.0E-07	3.4E-12	6.5E-09	3.2E-08	6.5E-08	1.0E-07
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans										
TEQ Human	4.7E-11	2.8E-08	8.5E-08	8.8E-07	9.9E-07	5.2E-11	2.8E-08	9.4E-08	9.7E-07	1.1E-06
Cumulative ILCR	**2E-07**	**4E-08**	**1E-07**	**6E-06**	**6E-06**	**1E-07**	**4E-08**	**1E-07**	**4E-06**	**5E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3e
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	3.0E-08	NV	NA	1.7E-07	2.0E-07	2.0E-08	NV	NA	1.1E-07	1.3E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	4.3E-10	ND	ND	4.3E-10	1.5E-15	4.3E-10	1.5E-12	3.5E-12	4.3E-10
Isophorone	NC	NC	1.1E-11	2.7E-11	3.8E-11	NC	NC	1.2E-10	2.8E-10	3.9E-10
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--

Table OCS-B1.3e
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	2.9E-14	NV	1.2E-10	2.8E-10	4.1E-10	2.5E-15	NV	1.1E-11	2.5E-11	3.6E-11
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	1.8E-16	3.6E-12	7.6E-13	1.2E-12	5.6E-12	1.8E-16	3.6E-12	8.0E-13	1.3E-12	5.7E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	5.4E-16	1.2E-11	2.1E-12	3.2E-12	1.7E-11	5.4E-16	1.2E-11	2.0E-12	3.2E-12	1.7E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	3.5E-15	4.4E-13	4.5E-12	2.1E-11	2.6E-11	7.0E-16	4.4E-13	8.8E-13	4.2E-12	5.5E-12
4,4-DDT	1.7E-15	NV	2.2E-12	1.0E-11	1.3E-11	1.7E-15	NV	2.2E-12	1.0E-11	1.3E-11
alpha-Chlordane	2.4E-14	NV	3.4E-11	1.6E-10	1.9E-10	2.4E-14	NV	3.4E-11	1.6E-10	1.9E-10
Dieldrin	1.8E-13	NV	2.3E-10	1.1E-09	1.3E-09	1.8E-13	NV	2.3E-10	1.1E-09	1.3E-09
gamma-Chlordane	2.6E-14	NV	3.6E-11	1.7E-10	2.1E-10	2.6E-14	NV	3.6E-11	1.7E-10	2.1E-10

Table OCS-B1.3e
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polychlorinated Biphenyls										
Total PCBs	1.7E-12	3.2E-09	6.5E-09	1.0E-08	2.0E-08	1.7E-12	3.2E-09	6.4E-09	1.0E-08	2.0E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans										
TEQ Human	2.3E-11	1.4E-08	1.7E-08	1.4E-07	1.7E-07	2.6E-11	1.4E-08	1.9E-08	1.5E-07	1.8E-07
Cumulative ILCR	**3E-08**	**2E-08**	**2E-08**	**3E-07**	**4E-07**	**2E-08**	**2E-08**	**3E-08**	**3E-07**	**3E-07**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3f
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.1E-05	NV	NA	2.9E-07	1.1E-05	7.1E-06	NV	NA	1.9E-07	7.3E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	5.3E-11	ND	ND	5.3E-11	3.0E-13	5.3E-11	3.5E-11	2.9E-12	9.1E-11
Isophorone	NC	NC	2.7E-10	2.2E-11	2.9E-10	NC	NC	2.8E-09	2.3E-10	3.0E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--

Table OCS-B1.3f
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	5.8E-12	NV	2.9E-09	2.3E-10	3.1E-09	5.1E-13	NV	2.5E-10	2.1E-11	2.7E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	3.5E-14	4.5E-13	1.8E-11	9.9E-13	2.0E-11	3.7E-14	4.5E-13	1.9E-11	1.0E-12	2.0E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.1E-13	1.5E-12	4.9E-11	2.7E-12	5.3E-11	1.1E-13	1.5E-12	4.9E-11	2.7E-12	5.3E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-13	5.6E-14	1.1E-10	1.7E-11	1.2E-10	1.4E-13	5.6E-14	2.1E-11	3.4E-12	2.5E-11
4,4-DDT	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11
alpha-Chlordane	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10
Dieldrin	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09
gamma-Chlordane	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09

Table OCS-B1.3f
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polychlorinated Biphenyls										
Total PCBs	3.5E-10	4.0E-10	1.5E-07	8.4E-09	1.6E-07	3.4E-10	4.0E-10	1.5E-07	8.3E-09	1.6E-07
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans										
TEQ Human	4.7E-09	1.8E-09	4.1E-07	1.1E-07	5.3E-07	5.2E-09	1.8E-09	4.5E-07	1.2E-07	5.8E-07
Cumulative ILCR	**1E-05**	**2E-09**	**6E-07**	**4E-07**	**1E-05**	**7E-06**	**2E-09**	**6E-07**	**3E-07**	**8E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.3g
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk
Inorganics						
Antimony	NC	NC	--	NC	NC	--
Chromium, Hexavalent	8.6E-09	NV	8.6E-09	5.8E-09	NV	5.8E-09
Chromium, total	NC	NC	--	NC	NC	--
Copper	NC	NC	--	NC	NC	--
Cyanide	NC	NC	--	NC	NC	--
Lead	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	--	NC	NC	--
Nitrate	NC	NC	--	NC	NC	--
Orthophosphate	NS	NC	--	NS	NC	--
Phosphate	NC	NC	--	NC	NC	--
Thallium	NC	NC	--	NC	NC	--
Zinc	NC	NC	--	NC	NC	--
Volatile Organic Compounds						
Bromomethane	ND	NC	--	NC	NC	--
Chloro methane	ND	NC	--	NC	NC	--
Chloroform	ND	8.1E-11	8.1E-11	4.4E-16	8.1E-11	8.1E-11
Isophorone	NC	NC	--	NC	NC	--
Methyl acetate	ND	NC	--	NC	NC	--

Table OCS-B1.3g
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk
Semi-Volatile Organic Compounds						
4-Methylphenol	NC	NC	--	NC	NC	--
bis (2-ethylhexyl) phthalate	8.3E-15	NV	8.3E-15	7.3E-16	NV	7.3E-16
Butylbenzylphthalate	ND	NC	--	ND	NC	--
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	5.1E-17	6.9E-13	6.9E-13	5.3E-17	6.9E-13	6.9E-13
2-Methyl naphthalene	NC	NC	--	NC	NC	--
Acenaphthene	NC	NC	--	NC	NC	--
Acenaphthylene	NC	NC	--	NC	NC	--
Anthracene	NC	NC	--	NC	NC	--
Benzo (ghi) perylene	NC	NC	--	NC	NC	--
Fluoranthene	NC	NC	--	NC	NC	--
Fluorene	NC	NC	--	NC	NC	--
Naphthalene	1.6E-16	2.3E-12	2.3E-12	1.6E-16	2.3E-12	2.3E-12
Phenanthrene	NC	NC	--	NC	NC	--
Pyrene	NC	NC	--	NC	NC	--
Pesticides						
4,4-DDE	1.0E-15	8.4E-14	8.5E-14	2.0E-16	8.4E-14	8.5E-14
4,4-DDT	5.0E-16	NV	5.0E-16	5.0E-16	NV	5.0E-16
alpha-Chlordane	7.0E-15	NV	7.0E-15	7.0E-15	NV	7.0E-15
Dieldrin	5.3E-14	NV	5.3E-14	5.3E-14	NV	5.3E-14
gamma-Chlordane	7.6E-15	NV	7.6E-15	7.6E-15	NV	7.6E-15

Table OCS-B1.3g
Baseline Scenario ILCRs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk
Polychlorinated Biphenyls						
Total PCBs	5.0E-13	6.1E-10	6.2E-10	4.9E-13	6.1E-10	6.2E-10
Total Petroleum Hydrocarbons						
TPH as diesel	NC	NC	--	NC	NC	--
TPH as motor oil	NC	NC	--	NC	NC	--
Dioxins/Furans						
TEQ Human	6.8E-12	2.7E-09	2.7E-09	7.5E-12	2.7E-09	2.7E-09
Cumulative ILCR	**9E-09**	**3E-09**	**1E-08**	**6E-09**	**3E-09**	**9E-09**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4a
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.7E-04	NV	2.0E-03	1.3E-02	1.6E-02	1.1E-04	NV	7.9E-04	5.4E-03	6.3E-03	9.6E-05	NV	7.0E-04	4.8E-03	5.6E-03	8.7E-05	NV	6.3E-04	4.3E-03	5.0E-03
Chromium, Hexavalent	1.2E-02	NV	NA	5.0E-03	1.7E-02	8.2E-03	NV	NA	3.4E-03	1.2E-02	4.6E-03	NV	NA	1.9E-03	6.5E-03	3.2E-03	NV	NA	1.3E-03	4.5E-03
Chromium, total	7.9E-07	NV	5.7E-06	3.9E-05	4.5E-05	9.7E-07	NV	7.0E-06	4.8E-05	5.6E-05	1.2E-06	NV	8.8E-06	6.0E-05	7.0E-05	1.3E-06	NV	9.2E-06	6.3E-05	7.3E-05
Copper	1.4E-05	NV	9.9E-05	6.8E-04	7.9E-04	1.4E-05	NV	9.9E-05	6.8E-04	7.9E-04	1.0E-05	NV	7.6E-05	5.2E-04	6.0E-04	8.6E-06	NV	6.2E-05	4.3E-04	5.0E-04
Cyanide	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	6.1E-04	NV	2.1E-04	1.4E-03	2.2E-03	1.1E-03	NV	3.8E-04	2.6E-03	4.1E-03	1.7E-03	NV	5.7E-04	3.9E-03	6.1E-03	1.2E-03	NV	3.9E-04	2.7E-03	4.2E-03
Nitrate	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	5.8E-08	NV	4.2E-07	2.9E-06	3.3E-06
Phosphate	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06
Thallium	2.2E-03	NV	1.6E-02	1.1E-01	1.3E-01	4.8E-04	NV	3.5E-03	2.4E-02	2.8E-02	5.1E-04	NV	3.7E-03	2.5E-02	2.9E-02	4.8E-04	NV	3.5E-03	2.4E-02	2.8E-02
Zinc	3.0E-06	NV	2.2E-05	1.5E-04	1.7E-04	3.2E-06	NV	2.3E-05	1.6E-04	1.8E-04	2.8E-06	NV	2.0E-05	1.4E-04	1.6E-04	2.6E-06	NV	1.9E-05	1.3E-04	1.5E-04
Volatile Organic Compounds																				
Bromomethane	ND	1.0E-05	ND	ND	1.0E-05	5.0E-09	1.0E-05	5.7E-06	3.9E-06	2.0E-05	4.5E-09	1.0E-05	5.2E-06	3.5E-06	1.9E-05	3.4E-09	1.0E-05	3.9E-06	2.7E-06	1.7E-05
Chloro methane	ND	2.5E-06	ND	ND	2.5E-06	9.8E-10	2.5E-06	7.1E-08	4.9E-08	2.6E-06	9.0E-10	2.5E-06	6.5E-08	4.5E-08	2.6E-06	7.1E-10	2.5E-06	5.1E-08	3.5E-08	2.6E-06
Chloroform	ND	1.8E-06	ND	ND	1.8E-06	1.7E-09	1.8E-06	7.3E-08	5.0E-08	1.9E-06	1.5E-09	1.8E-06	6.5E-08	4.5E-08	1.9E-06	1.1E-09	1.8E-06	5.0E-08	3.4E-08	1.9E-06
Isophorone	5.1E-08	NV	6.2E-07	4.2E-07	1.1E-06	5.2E-07	NV	6.3E-06	4.3E-06	1.1E-05	5.2E-07	NV	6.2E-06	4.3E-06	1.1E-05	3.1E-07	NV	3.8E-06	2.6E-06	6.7E-06
Methyl acetate	ND	3.1E-06	ND	ND	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06

Table OCS-B1.4a
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.6E-08	NV	2.8E-06	1.9E-06	4.8E-06	2.1E-08	NV	2.3E-06	1.6E-06	3.9E-06	1.9E-08	NV	2.1E-06	1.4E-06	3.5E-06	1.5E-08	NV	1.7E-06	1.1E-06	2.8E-06
bis (2-ethylhexyl) phthalate	9.1E-07	NV	1.3E-05	9.0E-06	2.3E-05	8.1E-08	NV	1.2E-06	8.0E-07	2.1E-06	9.0E-08	NV	1.3E-06	8.9E-07	2.3E-06	8.9E-08	NV	1.3E-06	8.8E-07	2.3E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.9E-08	NV	4.3E-06	2.9E-06	7.2E-06
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	5.3E-10	4.1E-08	5.8E-08	2.6E-08	1.3E-07	5.6E-10	4.1E-08	6.0E-08	2.8E-08	1.3E-07	5.7E-10	4.1E-08	6.2E-08	2.8E-08	1.3E-07	5.8E-10	4.1E-08	6.3E-08	2.9E-08	1.3E-07
2-Methyl naphthalene	1.2E-08	7.1E-07	1.3E-06	5.8E-07	2.6E-06	1.2E-08	7.1E-07	1.3E-06	6.1E-07	2.7E-06	1.0E-08	7.1E-07	1.1E-06	5.0E-07	2.3E-06	1.0E-08	7.1E-07	1.1E-06	5.1E-07	2.4E-06
Acenaphthene	4.1E-11	1.3E-09	4.5E-09	2.0E-09	7.9E-09	4.1E-11	1.3E-09	4.4E-09	2.0E-09	7.8E-09	4.6E-11	1.3E-09	5.0E-09	2.3E-09	8.6E-09	4.7E-11	1.3E-09	5.1E-09	2.3E-09	8.9E-09
Acenaphthylene	4.3E-11	NV	4.7E-09	2.1E-09	6.9E-09	4.2E-11	NV	4.5E-09	2.1E-09	6.6E-09	4.0E-11	NV	4.3E-09	2.0E-09	6.4E-09	3.9E-11	NV	4.3E-09	1.9E-09	6.2E-09
Anthracene	3.7E-12	2.7E-11	4.0E-10	1.8E-10	6.1E-10	3.6E-12	2.7E-11	3.9E-10	1.8E-10	6.0E-10	3.5E-12	2.7E-11	3.8E-10	1.7E-10	5.8E-10	3.4E-12	2.7E-11	3.6E-10	1.7E-10	5.6E-10
Benzo (ghi) perylene	1.9E-08	NV	2.1E-06	9.4E-07	3.0E-06	1.6E-08	NV	1.7E-06	7.9E-07	2.5E-06	1.3E-08	NV	1.4E-06	6.4E-07	2.0E-06	1.1E-08	NV	1.2E-06	5.7E-07	1.8E-06
Fluoranthene	6.1E-09	NV	6.6E-07	3.0E-07	9.6E-07	4.7E-09	NV	5.2E-07	2.4E-07	7.6E-07	3.5E-09	NV	3.8E-07	1.7E-07	5.6E-07	2.9E-09	NV	3.2E-07	1.5E-07	4.7E-07
Fluorene	6.1E-11	9.0E-10	6.7E-09	3.0E-09	1.1E-08	6.1E-11	9.0E-10	6.6E-09	3.0E-09	1.1E-08	6.0E-11	9.0E-10	6.5E-09	3.0E-09	1.0E-08	6.4E-11	9.0E-10	7.0E-09	3.2E-09	1.1E-08
Naphthalene	3.2E-08	2.7E-06	4.4E-09	2.0E-09	2.7E-06	3.2E-08	2.7E-06	4.4E-09	2.0E-09	2.7E-06	3.0E-08	2.7E-06	4.1E-09	1.9E-09	2.7E-06	3.1E-08	2.7E-06	4.2E-09	1.9E-09	2.7E-06
Phenanthrene	7.8E-11	NV	8.5E-09	3.9E-09	1.2E-08	6.1E-11	NV	6.6E-09	3.0E-09	9.7E-09	4.5E-11	NV	4.9E-09	2.2E-09	7.2E-09	4.0E-11	NV	4.4E-09	2.0E-09	6.4E-09
Pyrene	7.0E-09	5.8E-09	7.6E-07	3.5E-07	1.1E-06	5.5E-09	5.8E-09	6.0E-07	2.7E-07	8.9E-07	4.2E-09	5.8E-09	4.5E-07	2.1E-07	6.7E-07	3.5E-09	5.8E-09	3.8E-07	1.7E-07	5.6E-07
Pesticides																				
4,4-DDE	1.1E-07	5.2E-08	4.0E-06	5.5E-06	9.7E-06	2.2E-08	5.2E-08	8.0E-07	1.1E-06	2.0E-06	2.2E-08	5.2E-08	7.8E-07	1.1E-06	1.9E-06	2.1E-08	5.2E-08	7.7E-07	1.1E-06	1.9E-06
4,4-DDT	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06
alpha-Chlordane	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05
Dieldrin	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05
gamma-Chlordane	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05

Table OCS-B1.4a
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polychlorinated Biphenyls																				
Total PCBs	2.3E-04	1.6E-03	2.5E-02	1.1E-02	3.8E-02	2.3E-04	1.6E-03	2.5E-02	1.1E-02	3.8E-02	2.2E-04	1.6E-03	2.3E-02	1.1E-02	3.6E-02	2.1E-04	1.6E-03	2.3E-02	1.0E-02	3.5E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	3.7E-05	2.8E-02	4.4E-03	3.0E-03	3.5E-02	2.6E-05	2.8E-02	3.1E-03	2.1E-03	3.3E-02	1.9E-05	2.8E-02	2.2E-03	1.5E-03	3.1E-02	1.3E-05	2.8E-02	1.6E-03	1.1E-03	3.0E-02
TPH as motor oil	1.7E-05	NV	1.2E-03	8.4E-04	2.1E-03	1.3E-05	NV	9.2E-04	6.3E-04	1.6E-03	1.0E-05	NV	7.5E-04	5.1E-04	1.3E-03	8.1E-06	NV	5.9E-04	4.0E-04	1.0E-03
Dioxins/Furans																				
TEQ Human	9.4E-05	2.1E-04	1.0E-03	2.3E-03	3.7E-03	1.0E-04	2.1E-04	1.1E-03	2.6E-03	4.0E-03	1.1E-04	2.1E-04	1.2E-03	2.7E-03	4.2E-03	1.0E-04	2.1E-04	1.1E-03	2.5E-03	3.9E-03
Total Hazard Index	**2E-02**	**3E-02**	**5E-02**	**1E-01**	**2E-01**	**1E-02**	**3E-02**	**3E-02**	**5E-02**	**1E-01**	**7E-03**	**3E-02**	**3E-02**	**5E-02**	**1E-01**	**5E-03**	**3E-02**	**3E-02**	**5E-02**	**1E-01**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4b
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	6.8E-06	NV	9.8E-05	3.4E-04	4.4E-04	2.7E-06	NV	3.9E-05	1.3E-04	1.8E-04	2.4E-06	NV	3.5E-05	1.2E-04	1.6E-04	2.2E-06	NV	3.1E-05	1.1E-04	1.4E-04
Chromium, Hexavalent	3.0E-03	NV	NA	1.3E-03	4.3E-03	2.0E-03	NV	NA	8.4E-04	2.9E-03	1.2E-03	NV	NA	4.7E-04	1.6E-03	8.0E-04	NV	NA	3.3E-04	1.1E-03
Chromium, total	2.0E-07	NV	2.8E-06	9.7E-06	1.3E-05	2.4E-07	NV	3.5E-06	1.2E-05	1.6E-05	3.0E-07	NV	4.4E-06	1.5E-05	2.0E-05	3.2E-07	NV	4.6E-06	1.6E-05	2.1E-05
Copper	3.4E-06	NV	5.0E-05	1.7E-04	2.2E-04	3.4E-06	NV	4.9E-05	1.7E-04	2.2E-04	2.6E-06	NV	3.8E-05	1.3E-04	1.7E-04	2.2E-06	NV	3.1E-05	1.1E-04	1.4E-04
Cyanide	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.5E-04	NV	1.0E-04	3.5E-04	6.1E-04	2.8E-04	NV	1.9E-04	6.5E-04	1.1E-03	4.2E-04	NV	2.8E-04	9.7E-04	1.7E-03	2.9E-04	NV	2.0E-04	6.7E-04	1.2E-03
Nitrate	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	1.4E-08	NV	2.1E-07	7.1E-07	9.4E-07
Phosphate	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06
Thallium	5.5E-04	NV	7.9E-03	2.7E-02	3.6E-02	1.2E-04	NV	1.7E-03	5.9E-03	7.8E-03	1.3E-04	NV	1.8E-03	6.3E-03	8.2E-03	1.2E-04	NV	1.7E-03	6.0E-03	7.8E-03
Zinc	7.5E-07	NV	1.1E-05	3.7E-05	4.9E-05	7.9E-07	NV	1.1E-05	3.9E-05	5.1E-05	7.0E-07	NV	1.0E-05	3.5E-05	4.5E-05	6.5E-07	NV	9.4E-06	3.2E-05	4.2E-05
Volatile Organic Compounds																				
Bromomethane	ND	1.7E-05	ND	ND	1.7E-05	4.7E-08	1.7E-05	6.1E-06	2.1E-06	2.6E-05	4.3E-08	1.7E-05	5.5E-06	1.9E-06	2.5E-05	3.2E-08	1.7E-05	4.2E-06	1.4E-06	2.3E-05
Chloro methane	ND	5.1E-07	ND	ND	5.1E-07	1.1E-09	5.1E-07	1.6E-07	5.5E-08	7.3E-07	1.0E-09	5.1E-07	1.5E-07	5.1E-08	7.1E-07	8.1E-10	5.1E-07	1.2E-07	4.0E-08	6.7E-07
Chloroform	ND	2.0E-07	ND	ND	2.0E-07	1.0E-09	2.0E-07	3.6E-07	1.2E-07	6.9E-07	9.2E-10	2.0E-07	3.3E-07	1.1E-07	6.4E-07	7.0E-10	2.0E-07	2.5E-07	8.5E-08	5.3E-07
Isophorone	1.3E-08	NV	4.6E-06	1.6E-06	6.2E-06	1.3E-07	NV	4.7E-05	1.6E-05	6.4E-05	1.3E-07	NV	4.7E-05	1.6E-05	6.3E-05	7.8E-08	NV	2.8E-05	9.7E-06	3.8E-05
Methyl acetate	ND	3.5E-09	ND	ND	3.5E-09	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08

Table OCS-B1.4b
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Semi-Volatile Organic Compounds																				
4-Methylphenol	6.5E-09	NV	1.4E-06	4.9E-07	1.9E-06	5.3E-09	NV	1.1E-06	3.9E-07	1.5E-06	4.8E-09	NV	1.0E-06	3.5E-07	1.4E-06	3.9E-09	NV	8.4E-07	2.9E-07	1.1E-06
bis (2-ethylhexyl) phthalate	2.3E-07	NV	3.3E-05	1.1E-05	4.5E-05	2.0E-08	NV	2.9E-06	1.0E-06	3.9E-06	2.2E-08	NV	3.3E-06	1.1E-06	4.4E-06	2.2E-08	NV	3.2E-06	1.1E-06	4.3E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	1.5E-07	NV	2.1E-05	7.3E-06	2.9E-05
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.3E-10	1.9E-09	2.9E-08	6.6E-09	3.7E-08	1.4E-10	1.9E-09	3.0E-08	6.9E-09	3.9E-08	1.4E-10	1.9E-09	3.1E-08	7.1E-09	4.0E-08	1.4E-10	1.9E-09	3.1E-08	7.1E-09	4.0E-08
2-Methyl naphthalene	2.9E-09	3.2E-08	6.3E-07	1.4E-07	8.1E-07	3.1E-09	3.2E-08	6.7E-07	1.5E-07	8.5E-07	2.5E-09	3.2E-08	5.5E-07	1.2E-07	7.1E-07	2.6E-09	3.2E-08	5.6E-07	1.3E-07	7.3E-07
Acenaphthene	1.0E-10	6.1E-10	2.2E-08	5.1E-09	2.8E-08	1.0E-10	6.1E-10	2.2E-08	5.0E-09	2.8E-08	1.1E-10	6.1E-10	2.5E-08	5.7E-09	3.1E-08	1.2E-10	6.1E-10	2.6E-08	5.9E-09	3.2E-08
Acenaphthylene	1.1E-10	NV	2.3E-08	5.3E-09	2.9E-08	1.0E-10	NV	2.3E-08	5.1E-09	2.8E-08	1.0E-10	NV	2.2E-08	5.0E-09	2.7E-08	9.8E-11	NV	2.1E-08	4.9E-09	2.6E-08
Anthracene	3.1E-11	4.0E-11	6.7E-09	1.5E-09	8.2E-09	3.0E-11	4.0E-11	6.5E-09	1.5E-09	8.0E-09	2.9E-11	4.0E-11	6.3E-09	1.4E-09	7.8E-09	2.8E-11	4.0E-11	6.1E-09	1.4E-09	7.5E-09
Benzo (ghi) perylene	4.8E-09	NV	1.0E-06	2.4E-07	1.3E-06	4.0E-09	NV	8.6E-07	2.0E-07	1.1E-06	3.2E-09	NV	7.0E-07	1.6E-07	8.6E-07	2.9E-09	NV	6.2E-07	1.4E-07	7.7E-07
Fluoranthene	1.5E-08	NV	3.3E-06	7.5E-07	4.0E-06	1.2E-08	NV	2.6E-06	5.9E-07	3.2E-06	8.8E-09	NV	1.9E-06	4.4E-07	2.4E-06	7.4E-09	NV	1.6E-06	3.6E-07	2.0E-06
Fluorene	1.5E-10	4.1E-10	3.3E-08	7.6E-09	4.2E-08	1.5E-10	4.1E-10	3.3E-08	7.5E-09	4.1E-08	1.5E-10	4.1E-10	3.3E-08	7.4E-09	4.1E-08	1.6E-10	4.1E-10	3.5E-08	7.9E-09	4.3E-08
Naphthalene	8.1E-09	1.2E-07	6.6E-08	1.5E-08	2.1E-07	8.1E-09	1.2E-07	6.6E-08	1.5E-08	2.1E-07	7.6E-09	1.2E-07	6.2E-08	1.4E-08	2.1E-07	7.8E-09	1.2E-07	6.4E-08	1.5E-08	2.1E-07
Phenanthrene	6.5E-10	NV	1.4E-07	3.2E-08	1.7E-07	5.1E-10	NV	1.1E-07	2.5E-08	1.4E-07	3.8E-10	NV	8.2E-08	1.9E-08	1.0E-07	3.3E-10	NV	7.3E-08	1.7E-08	8.9E-08
Pyrene	1.8E-08	2.6E-09	3.8E-06	8.7E-07	4.7E-06	1.4E-08	2.6E-09	3.0E-06	6.9E-07	3.7E-06	1.0E-08	2.6E-09	2.3E-06	5.2E-07	2.8E-06	8.8E-09	2.6E-09	1.9E-06	4.3E-07	2.3E-06
Pesticides																				
4,4-DDE	2.8E-08	2.4E-09	2.0E-06	1.4E-06	3.4E-06	5.5E-09	2.4E-09	4.0E-07	2.7E-07	6.8E-07	5.4E-09	2.4E-09	3.9E-07	2.7E-07	6.6E-07	5.3E-09	2.4E-09	3.9E-07	2.6E-07	6.6E-07
4,4-DDT	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06
alpha-Chlordane	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06
Dieldrin	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05
gamma-Chlordane	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06

Table OCS-B1.4b
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polychlorinated Biphenyls																				
Total PCBs	5.8E-05	7.4E-05	1.3E-02	2.9E-03	1.6E-02	5.7E-05	7.4E-05	1.2E-02	2.8E-03	1.5E-02	5.4E-05	7.4E-05	1.2E-02	2.7E-03	1.5E-02	5.2E-05	7.4E-05	1.1E-02	2.6E-03	1.4E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	9.3E-06	1.3E-03	2.2E-03	7.5E-04	4.2E-03	6.6E-06	1.3E-03	1.5E-03	5.3E-04	3.3E-03	4.7E-06	1.3E-03	1.1E-03	3.8E-04	2.7E-03	3.4E-06	1.3E-03	7.9E-04	2.7E-04	2.3E-03
TPH as motor oil	4.2E-06	NV	6.1E-04	2.1E-04	8.3E-04	3.2E-06	NV	4.6E-04	1.6E-04	6.2E-04	2.6E-06	NV	3.8E-04	1.3E-04	5.1E-04	2.0E-06	NV	2.9E-04	1.0E-04	4.0E-04
Dioxins/Furans																				
TEQ Human	2.4E-05	9.8E-06	1.5E-02	1.7E-02	3.1E-02	2.6E-05	9.8E-06	1.6E-02	1.8E-02	3.5E-02	2.7E-05	9.8E-06	1.7E-02	1.9E-02	3.6E-02	2.5E-05	9.8E-06	1.6E-02	1.8E-02	3.4E-02
Total Hazard Index	**4E-03**	**1E-03**	**4E-02**	**5E-02**	**9E-02**	**3E-03**	**1E-03**	**3E-02**	**3E-02**	**7E-02**	**2E-03**	**1E-03**	**3E-02**	**3E-02**	**7E-02**	**1E-03**	**1E-03**	**3E-02**	**3E-02**	**6E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4c
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	1.2E-08	NV	2.5E-05	8.7E-04	8.9E-04	1.2E-08	NV	3.4E-06	8.2E-05	8.5E-05	4.8E-09	NV	1.0E-05	3.5E-04	3.6E-04	4.8E-09	NV	1.4E-06	3.3E-05	3.4E-05
Chromium, Hexavalent	5.4E-06	NV	NA	3.2E-03	3.2E-03	5.4E-06	NV	NA	3.0E-04	3.1E-04	3.6E-06	NV	NA	2.2E-03	2.2E-03	3.6E-06	NV	NA	2.0E-04	2.1E-04
Chromium, total	3.5E-10	NV	7.3E-07	2.5E-05	2.6E-05	3.5E-10	NV	9.9E-08	2.4E-06	2.5E-06	4.3E-10	NV	9.0E-07	3.1E-05	3.2E-05	4.3E-10	NV	1.2E-07	2.9E-06	3.0E-06
Copper	6.0E-09	NV	1.3E-05	4.4E-04	4.5E-04	6.0E-09	NV	1.7E-06	4.1E-05	4.3E-05	6.0E-09	NV	1.3E-05	4.4E-04	4.5E-04	6.0E-09	NV	1.7E-06	4.1E-05	4.3E-05
Cyanide	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.7E-07	NV	2.7E-05	9.2E-04	9.4E-04	2.7E-07	NV	3.6E-06	8.6E-05	9.0E-05	5.0E-07	NV	4.9E-05	1.7E-03	1.7E-03	5.0E-07	NV	6.7E-06	1.6E-04	1.7E-04
Nitrate	1.4E-10	NV	2.9E-07	9.9E-06	1.0E-05	1.4E-10	NV	3.9E-08	9.2E-07	9.6E-07	1.4E-10	NV	2.9E-07	9.9E-06	1.0E-05	1.4E-10	NV	3.9E-08	9.2E-07	9.6E-07
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	2.9E-11	NV	6.2E-08	2.1E-06	2.2E-06	2.9E-11	NV	8.5E-09	2.0E-07	2.1E-07	2.9E-11	NV	6.2E-08	2.1E-06	2.2E-06	2.9E-11	NV	8.5E-09	2.0E-07	2.1E-07
Thallium	9.7E-07	NV	2.0E-03	7.0E-02	7.2E-02	9.7E-07	NV	2.8E-04	6.6E-03	6.9E-03	2.1E-07	NV	4.4E-04	1.5E-02	1.6E-02	2.1E-07	NV	6.1E-05	1.4E-03	1.5E-03
Zinc	1.3E-09	NV	2.8E-06	9.6E-05	9.8E-05	1.3E-09	NV	3.8E-07	9.0E-06	9.3E-06	1.4E-09	NV	2.9E-06	1.0E-04	1.0E-04	1.4E-09	NV	4.0E-07	9.5E-06	9.9E-06
Volatile Organic Compounds																				
Bromomethane	ND	4.5E-05	ND	ND	4.5E-05	ND	4.5E-05	ND	ND	4.5E-05	8.4E-11	4.5E-05	1.6E-06	5.4E-06	5.2E-05	8.4E-11	4.5E-05	2.1E-07	5.1E-07	4.5E-05
Chloro methane	ND	1.3E-06	ND	ND	1.3E-06	ND	1.3E-06	ND	ND	1.3E-06	2.0E-12	1.3E-06	4.1E-08	1.4E-07	1.5E-06	2.0E-12	1.3E-06	5.7E-09	1.3E-08	1.3E-06
Chloroform	ND	5.1E-07	ND	ND	5.1E-07	ND	5.1E-07	ND	ND	5.1E-07	1.8E-12	5.1E-07	9.3E-08	3.2E-07	9.3E-07	1.8E-12	5.1E-07	1.3E-08	3.0E-08	5.5E-07
Isophorone	2.3E-11	NV	1.2E-06	4.1E-06	5.3E-06	2.3E-11	NV	1.6E-07	3.8E-07	5.5E-07	2.3E-10	NV	1.2E-05	4.2E-05	5.4E-05	2.3E-10	NV	1.7E-06	3.9E-06	5.6E-06
Methyl acetate	ND	9.1E-09	ND	ND	9.1E-09	ND	9.1E-09	ND	ND	9.1E-09	6.8E-14	9.1E-09	1.4E-09	5.0E-09	1.6E-08	6.8E-14	9.1E-09	2.0E-10	4.7E-10	9.8E-09

Table OCS-B1.4c
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Semi-Volatile Organic Compounds																				
4-Methylphenol	1.2E-11	NV	3.6E-07	1.3E-06	1.6E-06	1.2E-11	NV	5.0E-08	1.2E-07	1.7E-07	9.3E-12	NV	2.9E-07	1.0E-06	1.3E-06	9.3E-12	NV	4.0E-08	9.5E-08	1.3E-07
bis (2-ethylhexyl) phthalate	4.0E-10	NV	8.5E-06	2.9E-05	3.8E-05	4.0E-10	NV	1.2E-06	2.7E-06	3.9E-06	3.6E-11	NV	7.5E-07	2.6E-06	3.3E-06	3.6E-11	NV	1.0E-07	2.4E-07	3.4E-07
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	2.3E-13	4.8E-09	7.4E-09	1.7E-08	2.9E-08	2.3E-13	4.8E-09	1.0E-09	1.6E-09	7.4E-09	2.5E-13	4.8E-09	7.7E-09	1.8E-08	3.0E-08	2.5E-13	4.8E-09	1.1E-09	1.7E-09	7.5E-09
2-Methyl naphthalene	5.1E-12	8.3E-08	1.6E-07	3.7E-07	6.2E-07	5.1E-12	8.3E-08	2.2E-08	3.5E-08	1.4E-07	5.4E-12	8.3E-08	1.7E-07	3.9E-07	6.5E-07	5.4E-12	8.3E-08	2.3E-08	3.7E-08	1.4E-07
Acenaphthene	1.8E-13	1.6E-09	5.8E-09	1.3E-08	2.1E-08	1.8E-13	1.6E-09	7.9E-10	1.2E-09	3.6E-09	1.8E-13	1.6E-09	5.7E-09	1.3E-08	2.0E-08	1.8E-13	1.6E-09	7.8E-10	1.2E-09	3.6E-09
Acenaphthylene	1.9E-13	NV	6.0E-09	1.4E-08	2.0E-08	1.9E-13	NV	8.2E-10	1.3E-09	2.1E-09	1.8E-13	NV	5.8E-09	1.3E-08	1.9E-08	1.8E-13	NV	7.9E-10	1.2E-09	2.0E-09
Anthracene	5.4E-14	1.0E-10	1.7E-09	3.9E-09	5.7E-09	5.4E-14	1.0E-10	2.3E-10	3.7E-10	7.1E-10	5.3E-14	1.0E-10	1.7E-09	3.8E-09	5.6E-09	5.3E-14	1.0E-10	2.3E-10	3.6E-10	6.9E-10
Benzo (ghi) perylene	8.4E-12	NV	2.6E-07	6.1E-07	8.7E-07	8.4E-12	NV	3.6E-08	5.7E-08	9.3E-08	7.0E-12	NV	2.2E-07	5.1E-07	7.3E-07	7.0E-12	NV	3.0E-08	4.8E-08	7.8E-08
Fluoranthene	2.7E-11	NV	8.4E-07	1.9E-06	2.8E-06	2.7E-11	NV	1.1E-07	1.8E-07	3.0E-07	2.1E-11	NV	6.6E-07	1.5E-06	2.2E-06	2.1E-11	NV	9.0E-08	1.4E-07	2.3E-07
Fluorene	2.7E-13	1.1E-09	8.5E-09	2.0E-08	2.9E-08	2.7E-13	1.1E-09	1.2E-09	1.8E-09	4.1E-09	2.7E-13	1.1E-09	8.4E-09	1.9E-08	2.9E-08	2.7E-13	1.1E-09	1.1E-09	1.8E-09	4.0E-09
Naphthalene	1.4E-11	3.2E-07	1.7E-08	3.9E-08	3.7E-07	1.4E-11	3.2E-07	2.3E-09	3.6E-09	3.2E-07	1.4E-11	3.2E-07	1.7E-08	3.9E-08	3.7E-07	1.4E-11	3.2E-07	2.3E-09	3.6E-09	3.2E-07
Phenanthrene	1.2E-12	NV	3.6E-08	8.4E-08	1.2E-07	1.2E-12	NV	5.0E-09	7.8E-09	1.3E-08	9.0E-13	NV	2.8E-08	6.5E-08	9.4E-08	9.0E-13	NV	3.9E-09	6.1E-09	1.0E-08
Pyrene	3.1E-11	6.8E-09	9.7E-07	2.2E-06	3.2E-06	3.1E-11	6.8E-09	1.3E-07	2.1E-07	3.5E-07	2.4E-11	6.8E-09	7.7E-07	1.8E-06	2.6E-06	2.4E-11	6.8E-09	1.1E-07	1.7E-07	2.8E-07
Pesticides																				
4,4-DDE	8.2E-11	1.0E-08	8.6E-07	5.9E-06	6.8E-06	8.2E-11	1.0E-08	1.2E-07	5.6E-07	6.9E-07	1.6E-11	1.0E-08	1.7E-07	1.2E-06	1.4E-06	1.6E-11	1.0E-08	2.3E-08	1.1E-07	1.4E-07
4,4-DDT	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07
alpha-Chlordane	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07
Dieldrin	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06
gamma-Chlordane	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07

Table OCS-B1.4c
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polychlorinated Biphenyls																				
Total PCBs	1.0E-07	1.9E-04	3.2E-03	7.4E-03	1.1E-02	1.0E-07	1.9E-04	4.4E-04	6.9E-04	1.3E-03	1.0E-07	1.9E-04	3.2E-03	7.3E-03	1.1E-02	1.0E-07	1.9E-04	4.3E-04	6.8E-04	1.3E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	1.6E-08	3.3E-03	5.6E-04	1.9E-03	5.7E-03	1.6E-08	3.3E-03	7.6E-05	1.8E-04	3.5E-03	1.2E-08	3.3E-03	4.0E-04	1.4E-03	5.0E-03	1.2E-08	3.3E-03	5.4E-05	1.3E-04	3.4E-03
TPH as motor oil	7.5E-09	NV	1.6E-04	5.4E-04	7.0E-04	7.5E-09	NV	2.1E-05	5.1E-05	7.2E-05	5.6E-09	NV	1.2E-04	4.1E-04	5.3E-04	5.6E-09	NV	1.6E-05	3.8E-05	5.4E-05
Dioxins/Furans																				
TEQ Human	4.1E-08	2.5E-05	3.7E-03	4.3E-02	4.7E-02	4.1E-08	2.5E-05	5.1E-04	4.0E-03	4.6E-03	4.6E-08	2.5E-05	4.1E-03	4.8E-02	5.2E-02	4.6E-08	2.5E-05	5.7E-04	4.5E-03	5.1E-03
Total Hazard Index	**7E-06**	**4E-03**	**1E-02**	**1E-01**	**1E-01**	**7E-06**	**4E-03**	**1E-03**	**1E-02**	**2E-02**	**5E-06**	**4E-03**	**8E-03**	**8E-02**	**9E-02**	**5E-06**	**4E-03**	**1E-03**	**7E-03**	**1E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4d
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.4E-08	NV	5.0E-05	1.7E-03	1.8E-03	2.4E-08	NV	6.9E-06	1.6E-04	1.7E-04	9.6E-09	NV	2.0E-05	7.0E-04	7.2E-04	9.6E-09	NV	2.8E-06	6.5E-05	6.8E-05
Chromium, Hexavalent	1.1E-05	NV	NA	6.5E-03	6.5E-03	1.1E-05	NV	NA	6.1E-04	6.2E-04	7.2E-06	NV	NA	4.4E-03	4.4E-03	7.2E-06	NV	NA	4.1E-04	4.2E-04
Chromium, total	6.9E-10	NV	1.5E-06	5.0E-05	5.2E-05	6.9E-10	NV	2.0E-07	4.7E-06	4.9E-06	8.5E-10	NV	1.8E-06	6.2E-05	6.4E-05	8.5E-10	NV	2.5E-07	5.8E-06	6.1E-06
Copper	1.2E-08	NV	2.5E-05	8.8E-04	9.0E-04	1.2E-08	NV	3.5E-06	8.2E-05	8.6E-05	1.2E-08	NV	2.5E-05	8.8E-04	9.0E-04	1.2E-08	NV	3.5E-06	8.2E-05	8.6E-05
Cyanide	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	5.4E-07	NV	5.3E-05	1.8E-03	1.9E-03	5.4E-07	NV	7.3E-06	1.7E-04	1.8E-04	9.9E-07	NV	9.8E-05	3.4E-03	3.5E-03	9.9E-07	NV	1.3E-05	3.2E-04	3.3E-04
Nitrate	2.7E-10	NV	5.7E-07	2.0E-05	2.0E-05	2.7E-10	NV	7.8E-08	1.8E-06	1.9E-06	2.7E-10	NV	5.7E-07	2.0E-05	2.0E-05	2.7E-10	NV	7.8E-08	1.8E-06	1.9E-06
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	5.9E-11	NV	1.2E-07	4.3E-06	4.4E-06	5.9E-11	NV	1.7E-08	4.0E-07	4.2E-07	5.9E-11	NV	1.2E-07	4.3E-06	4.4E-06	5.9E-11	NV	1.7E-08	4.0E-07	4.2E-07
Thallium	1.9E-06	NV	4.1E-03	1.4E-01	1.4E-01	1.9E-06	NV	5.6E-04	1.3E-02	1.4E-02	4.2E-07	NV	8.9E-04	3.1E-02	3.2E-02	4.2E-07	NV	1.2E-04	2.9E-03	3.0E-03
Zinc	2.6E-09	NV	5.5E-06	1.9E-04	2.0E-04	2.6E-09	NV	7.6E-07	1.8E-05	1.9E-05	2.8E-09	NV	5.9E-06	2.0E-04	2.1E-04	2.8E-09	NV	8.0E-07	1.9E-05	2.0E-05
Volatile Organic Compounds																				
Bromomethane	ND	8.9E-05	ND	ND	8.9E-05	ND	8.9E-05	ND	ND	8.9E-05	1.7E-10	8.9E-05	3.1E-06	1.1E-05	1.0E-04	1.7E-10	8.9E-05	4.3E-07	1.0E-06	9.1E-05
Chloro methane	ND	2.6E-06	ND	ND	2.6E-06	ND	2.6E-06	ND	ND	2.6E-06	3.9E-12	2.6E-06	8.3E-08	2.9E-07	3.0E-06	3.9E-12	2.6E-06	1.1E-08	2.7E-08	2.7E-06
Chloroform	ND	1.0E-06	ND	ND	1.0E-06	ND	1.0E-06	ND	ND	1.0E-06	3.6E-12	1.0E-06	1.9E-07	6.4E-07	1.9E-06	3.6E-12	1.0E-06	2.5E-08	6.0E-08	1.1E-06
Isophorone	4.5E-11	NV	2.4E-06	8.2E-06	1.1E-05	4.5E-11	NV	3.2E-07	7.7E-07	1.1E-06	4.6E-10	NV	2.4E-05	8.4E-05	1.1E-04	4.6E-10	NV	3.3E-06	7.8E-06	1.1E-05
Methyl acetate	ND	1.8E-08	ND	ND	1.8E-08	ND	1.8E-08	ND	ND	1.8E-08	1.4E-13	1.8E-08	2.9E-09	9.9E-09	3.1E-08	1.4E-13	1.8E-08	3.9E-10	9.3E-10	2.0E-08

Table OCS-B1.4d
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-11	NV	7.3E-07	2.5E-06	3.2E-06	2.3E-11	NV	9.9E-08	2.4E-07	3.4E-07	1.9E-11	NV	5.8E-07	2.0E-06	2.6E-06	1.9E-11	NV	8.0E-08	1.9E-07	2.7E-07
bis (2-ethylhexyl) phthalate	8.1E-10	NV	1.7E-05	5.8E-05	7.5E-05	8.1E-10	NV	2.3E-06	5.5E-06	7.8E-06	7.1E-11	NV	1.5E-06	5.2E-06	6.7E-06	7.1E-11	NV	2.0E-07	4.8E-07	6.9E-07
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	4.7E-13	9.6E-09	1.5E-08	3.4E-08	5.8E-08	4.7E-13	9.6E-09	2.0E-09	3.2E-09	1.5E-08	4.9E-13	9.6E-09	1.5E-08	3.6E-08	6.1E-08	4.9E-13	9.6E-09	2.1E-09	3.3E-09	1.5E-08
2-Methyl naphthalene	1.0E-11	1.7E-07	3.2E-07	7.4E-07	1.2E-06	1.0E-11	1.7E-07	4.4E-08	7.0E-08	2.8E-07	1.1E-11	1.7E-07	3.4E-07	7.8E-07	1.3E-06	1.1E-11	1.7E-07	4.7E-08	7.4E-08	2.9E-07
Acenaphthene	3.7E-13	3.1E-09	1.2E-08	2.6E-08	4.1E-08	3.7E-13	3.1E-09	1.6E-09	2.5E-09	7.2E-09	3.6E-13	3.1E-09	1.1E-08	2.6E-08	4.1E-08	3.6E-13	3.1E-09	1.6E-09	2.4E-09	7.1E-09
Acenaphthylene	3.8E-13	NV	1.2E-08	2.8E-08	4.0E-08	3.8E-13	NV	1.6E-09	2.6E-09	4.2E-09	3.7E-13	NV	1.2E-08	2.7E-08	3.8E-08	3.7E-13	NV	1.6E-09	2.5E-09	4.1E-09
Anthracene	1.1E-13	2.1E-10	3.4E-09	7.9E-09	1.1E-08	1.1E-13	2.1E-10	4.7E-10	7.4E-10	1.4E-09	1.1E-13	2.1E-10	3.3E-09	7.6E-09	1.1E-08	1.1E-13	2.1E-10	4.5E-10	7.2E-10	1.4E-09
Benzo (ghi) perylene	1.7E-11	NV	5.3E-07	1.2E-06	1.7E-06	1.7E-11	NV	7.2E-08	1.1E-07	1.9E-07	1.4E-11	NV	4.4E-07	1.0E-06	1.5E-06	1.4E-11	NV	6.0E-08	9.5E-08	1.6E-07
Fluoranthene	5.3E-11	NV	1.7E-06	3.9E-06	5.6E-06	5.3E-11	NV	2.3E-07	3.6E-07	5.9E-07	4.2E-11	NV	1.3E-06	3.0E-06	4.4E-06	4.2E-11	NV	1.8E-07	2.8E-07	4.7E-07
Fluorene	5.4E-13	2.1E-09	1.7E-08	3.9E-08	5.9E-08	5.4E-13	2.1E-09	2.3E-09	3.7E-09	8.1E-09	5.3E-13	2.1E-09	1.7E-08	3.9E-08	5.8E-08	5.3E-13	2.1E-09	2.3E-09	3.6E-09	8.1E-09
Naphthalene	2.9E-11	6.3E-07	3.4E-08	7.8E-08	7.5E-07	2.9E-11	6.3E-07	4.6E-09	7.3E-09	6.5E-07	2.8E-11	6.3E-07	3.4E-08	7.7E-08	7.5E-07	2.8E-11	6.3E-07	4.6E-09	7.3E-09	6.5E-07
Phenanthrene	2.3E-12	NV	7.3E-08	1.7E-07	2.4E-07	2.3E-12	NV	9.9E-09	1.6E-08	2.6E-08	1.8E-12	NV	5.7E-08	1.3E-07	1.9E-07	1.8E-12	NV	7.8E-09	1.2E-08	2.0E-08
Pyrene	6.2E-11	1.4E-08	1.9E-06	4.5E-06	6.4E-06	6.2E-11	1.4E-08	2.7E-07	4.2E-07	7.0E-07	4.9E-11	1.4E-08	1.5E-06	3.5E-06	5.1E-06	4.9E-11	1.4E-08	2.1E-07	3.3E-07	5.6E-07
Pesticides																				
4,4-DDE	1.6E-10	2.1E-08	1.7E-06	1.2E-05	1.4E-05	1.6E-10	2.1E-08	2.4E-07	1.1E-06	1.4E-06	3.3E-11	2.1E-08	3.4E-07	2.4E-06	2.7E-06	3.3E-11	2.1E-08	4.7E-08	2.2E-07	2.9E-07
4,4-DDT	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07
alpha-Chlordane	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06
Dieldrin	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06
gamma-Chlordane	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06

Table OCS-B1.4d
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polychlorinated Biphenyls																				
Total PCBs	2.0E-07	3.8E-04	6.4E-03	1.5E-02	2.2E-02	2.0E-07	3.8E-04	8.8E-04	1.4E-03	2.6E-03	2.0E-07	3.8E-04	6.3E-03	1.5E-02	2.1E-02	2.0E-07	3.8E-04	8.6E-04	1.4E-03	2.6E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	3.3E-08	6.5E-03	1.1E-03	3.9E-03	1.1E-02	3.3E-08	6.5E-03	1.5E-04	3.6E-04	7.0E-03	2.3E-08	6.5E-03	7.9E-04	2.7E-03	1.0E-02	2.3E-08	6.5E-03	1.1E-04	2.6E-04	6.9E-03
TPH as motor oil	1.5E-08	NV	3.1E-04	1.1E-03	1.4E-03	1.5E-08	NV	4.3E-05	1.0E-04	1.4E-04	1.1E-08	NV	2.4E-04	8.1E-04	1.1E-03	1.1E-08	NV	3.2E-05	7.6E-05	1.1E-04
Dioxins/Furans																				
TEQ Human	8.3E-08	5.0E-05	7.5E-03	8.6E-02	9.4E-02	8.3E-08	5.0E-05	1.0E-03	8.1E-03	9.1E-03	9.2E-08	5.0E-05	8.3E-03	9.5E-02	1.0E-01	9.2E-08	5.0E-05	1.1E-03	8.9E-03	1.0E-02
Total Hazard Index	**1E-05**	**7E-03**	**2E-02**	**3E-01**	**3E-01**	**1E-05**	**7E-03**	**3E-03**	**2E-02**	**3E-02**	**9E-06**	**7E-03**	**2E-02**	**2E-01**	**2E-01**	**9E-06**	**7E-03**	**2E-03**	**1E-02**	**2E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4e
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics										
Antimony	1.2E-08	NV	3.4E-06	8.2E-05	8.5E-05	4.8E-09	NV	1.4E-06	3.3E-05	3.4E-05
Chromium, Hexavalent	5.4E-06	NV	NA	3.0E-04	3.1E-04	3.6E-06	NV	NA	2.0E-04	2.1E-04
Chromium, total	3.5E-10	NV	9.9E-08	2.4E-06	2.5E-06	4.3E-10	NV	1.2E-07	2.9E-06	3.0E-06
Copper	6.0E-09	NV	1.7E-06	4.1E-05	4.3E-05	6.0E-09	NV	1.7E-06	4.1E-05	4.3E-05
Cyanide	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.7E-07	NV	3.6E-06	8.6E-05	9.0E-05	5.0E-07	NV	6.7E-06	1.6E-04	1.7E-04
Nitrate	1.4E-10	NV	3.9E-08	9.2E-07	9.6E-07	1.4E-10	NV	3.9E-08	9.2E-07	9.6E-07
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	2.9E-11	NV	8.5E-09	2.0E-07	2.1E-07	2.9E-11	NV	8.5E-09	2.0E-07	2.1E-07
Thallium	9.7E-07	NV	2.8E-04	6.6E-03	6.9E-03	2.1E-07	NV	6.1E-05	1.4E-03	1.5E-03
Zinc	1.3E-09	NV	3.8E-07	9.0E-06	9.3E-06	1.4E-09	NV	4.0E-07	9.5E-06	9.9E-06
Volatile Organic Compounds										
Bromomethane	ND	4.5E-05	ND	ND	4.5E-05	8.4E-11	4.5E-05	2.1E-07	5.1E-07	4.5E-05
Chloro methane	ND	1.3E-06	ND	ND	1.3E-06	2.0E-12	1.3E-06	5.7E-09	1.3E-08	1.3E-06
Chloroform	ND	5.1E-07	ND	ND	5.1E-07	1.8E-12	5.1E-07	1.3E-08	3.0E-08	5.5E-07
Isophorone	2.3E-11	NV	1.6E-07	3.8E-07	5.5E-07	2.3E-10	NV	1.7E-06	3.9E-06	5.6E-06
Methyl acetate	ND	9.1E-09	ND	ND	9.1E-09	6.8E-14	9.1E-09	2.0E-10	4.7E-10	9.8E-09

Table OCS-B1.4e
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Semi-Volatile Organic Compounds										
4-Methylphenol	1.2E-11	NV	5.0E-08	1.2E-07	1.7E-07	9.3E-12	NV	4.0E-08	9.5E-08	1.3E-07
bis (2-ethylhexyl) phthalate	4.0E-10	NV	1.2E-06	2.7E-06	3.9E-06	3.6E-11	NV	1.0E-07	2.4E-07	3.4E-07
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	2.3E-13	4.8E-09	1.0E-09	1.6E-09	7.4E-09	2.5E-13	4.8E-09	1.1E-09	1.7E-09	7.5E-09
2-Methyl naphthalene	5.1E-12	8.3E-08	2.2E-08	3.5E-08	1.4E-07	5.4E-12	8.3E-08	2.3E-08	3.7E-08	1.4E-07
Acenaphthene	1.8E-13	1.6E-09	7.9E-10	1.2E-09	3.6E-09	1.8E-13	1.6E-09	7.8E-10	1.2E-09	3.6E-09
Acenaphthylene	1.9E-13	NV	8.2E-10	1.3E-09	2.1E-09	1.8E-13	NV	7.9E-10	1.2E-09	2.0E-09
Anthracene	5.4E-14	1.0E-10	2.3E-10	3.7E-10	7.1E-10	5.3E-14	1.0E-10	2.3E-10	3.6E-10	6.9E-10
Benzo (ghi) perylene	8.4E-12	NV	3.6E-08	5.7E-08	9.3E-08	7.0E-12	NV	3.0E-08	4.8E-08	7.8E-08
Fluoranthene	2.7E-11	NV	1.1E-07	1.8E-07	3.0E-07	2.1E-11	NV	9.0E-08	1.4E-07	2.3E-07
Fluorene	2.7E-13	1.1E-09	1.2E-09	1.8E-09	4.1E-09	2.7E-13	1.1E-09	1.1E-09	1.8E-09	4.0E-09
Naphthalene	1.4E-11	3.2E-07	2.3E-09	3.6E-09	3.2E-07	1.4E-11	3.2E-07	2.3E-09	3.6E-09	3.2E-07
Phenanthrene	1.2E-12	NV	5.0E-09	7.8E-09	1.3E-08	9.0E-13	NV	3.9E-09	6.1E-09	1.0E-08
Pyrene	3.1E-11	6.8E-09	1.3E-07	2.1E-07	3.5E-07	2.4E-11	6.8E-09	1.1E-07	1.7E-07	2.8E-07
Pesticides										
4,4-DDE	8.2E-11	1.0E-08	1.2E-07	5.6E-07	6.9E-07	1.6E-11	1.0E-08	2.3E-08	1.1E-07	1.4E-07
4,4-DDT	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07
alpha-Chlordane	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07
Dieldrin	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06
gamma-Chlordane	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07

Table OCS-B1.4e
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polychlorinated Biphenyls										
Total PCBs	1.0E-07	1.9E-04	4.4E-04	6.9E-04	1.3E-03	1.0E-07	1.9E-04	4.3E-04	6.8E-04	1.3E-03
Total Petroleum Hydrocarbons										
TPH as diesel	1.6E-08	3.3E-03	7.6E-05	1.8E-04	3.5E-03	1.2E-08	3.3E-03	5.4E-05	1.3E-04	3.4E-03
TPH as motor oil	7.5E-09	NV	2.1E-05	5.1E-05	7.2E-05	5.6E-09	NV	1.6E-05	3.8E-05	5.4E-05
Dioxins/Furans										
TEQ Human	4.1E-08	2.5E-05	5.1E-04	4.0E-03	4.6E-03	4.6E-08	2.5E-05	5.7E-04	4.5E-03	5.1E-03
Total Hazard Index	**7E-06**	**4E-03**	**1E-03**	**1E-02**	**2E-02**	**5E-06**	**4E-03**	**1E-03**	**7E-03**	**1E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4f
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.4E-06	NV	9.2E-05	1.2E-04	2.2E-04	2.4E-06	NV	7.9E-05	5.0E-05	1.3E-04	9.6E-07	NV	3.7E-05	4.9E-05	8.7E-05	9.6E-07	NV	3.2E-05	2.0E-05	5.3E-05
Chromium, Hexavalent	1.1E-03	NV	NA	4.5E-04	1.5E-03	1.1E-03	NV	NA	1.9E-04	1.3E-03	7.2E-04	NV	NA	3.1E-04	1.0E-03	7.2E-04	NV	NA	1.3E-04	8.5E-04
Chromium, total	7.0E-08	NV	2.7E-06	3.5E-06	6.3E-06	7.0E-08	NV	2.3E-06	1.5E-06	3.8E-06	8.6E-08	NV	3.3E-06	4.4E-06	7.7E-06	8.6E-08	NV	2.8E-06	1.8E-06	4.7E-06
Copper	1.2E-06	NV	4.6E-05	6.2E-05	1.1E-04	1.2E-06	NV	4.0E-05	2.5E-05	6.6E-05	1.2E-06	NV	4.6E-05	6.2E-05	1.1E-04	1.2E-06	NV	4.0E-05	2.5E-05	6.6E-05
Cyanide	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	5.4E-05	NV	9.7E-05	1.3E-04	2.8E-04	5.4E-05	NV	8.3E-05	5.3E-05	1.9E-04	1.0E-04	NV	1.8E-04	2.4E-04	5.1E-04	1.0E-04	NV	1.5E-04	9.8E-05	3.5E-04
Nitrate	2.7E-08	NV	1.0E-06	1.4E-06	2.5E-06	2.7E-08	NV	8.9E-07	5.7E-07	1.5E-06	2.7E-08	NV	1.0E-06	1.4E-06	2.5E-06	2.7E-08	NV	8.9E-07	5.7E-07	1.5E-06
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	5.9E-09	NV	2.3E-07	3.0E-07	5.3E-07	5.9E-09	NV	1.9E-07	1.2E-07	3.2E-07	5.9E-09	NV	2.3E-07	3.0E-07	5.3E-07	5.9E-09	NV	1.9E-07	1.2E-07	3.2E-07
Thallium	1.9E-04	NV	7.4E-03	9.9E-03	1.7E-02	1.9E-04	NV	6.3E-03	4.1E-03	1.1E-02	4.2E-05	NV	1.6E-03	2.2E-03	3.8E-03	4.2E-05	NV	1.4E-03	8.9E-04	2.3E-03
Zinc	2.6E-07	NV	1.0E-05	1.3E-05	2.4E-05	2.6E-07	NV	8.7E-06	5.5E-06	1.4E-05	2.8E-07	NV	1.1E-05	1.4E-05	2.5E-05	2.8E-07	NV	9.2E-06	5.9E-06	1.5E-05
Volatile Organic Compounds																				
Bromomethane	ND	5.6E-06	ND	ND	5.6E-06	ND	5.6E-06	ND	ND	5.6E-06	1.7E-08	5.6E-06	5.7E-06	7.6E-07	1.2E-05	1.7E-08	5.6E-06	4.9E-06	3.1E-07	1.1E-05
Chloro methane	ND	1.7E-07	ND	ND	1.7E-07	ND	1.7E-07	ND	ND	1.7E-07	4.0E-10	1.7E-07	1.5E-07	2.0E-08	3.4E-07	4.0E-10	1.7E-07	1.3E-07	8.3E-09	3.0E-07
Chloroform	ND	6.4E-08	ND	ND	6.4E-08	ND	6.4E-08	ND	ND	6.4E-08	3.6E-10	6.4E-08	3.4E-07	4.5E-08	4.5E-07	3.6E-10	6.4E-08	2.9E-07	1.9E-08	3.7E-07
Isophorone	4.5E-09	NV	4.3E-06	5.8E-07	4.9E-06	4.5E-09	NV	3.7E-06	2.4E-07	3.9E-06	4.6E-08	NV	4.4E-05	5.9E-06	5.0E-05	4.6E-08	NV	3.8E-05	2.4E-06	4.0E-05
Methyl acetate	ND	1.1E-09	ND	ND	1.1E-09	ND	1.1E-09	ND	ND	1.1E-09	1.4E-11	1.1E-09	5.2E-09	7.0E-10	7.1E-09	1.4E-11	1.1E-09	4.5E-09	2.9E-10	5.9E-09

Table OCS-B1.4f
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-09	NV	1.3E-06	1.8E-07	1.5E-06	2.3E-09	NV	1.1E-06	7.3E-08	1.2E-06	1.9E-09	NV	1.1E-06	1.4E-07	1.2E-06	1.9E-09	NV	9.1E-07	5.8E-08	9.7E-07
bis (2-ethylhexyl) phthalate	8.1E-08	NV	3.1E-05	4.1E-06	3.5E-05	8.1E-08	NV	2.6E-05	1.7E-06	2.8E-05	7.2E-09	NV	2.7E-06	3.6E-07	3.1E-06	7.2E-09	NV	2.3E-06	1.5E-07	2.5E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	4.7E-11	6.0E-10	2.7E-08	2.4E-09	3.0E-08	4.7E-11	6.0E-10	2.3E-08	9.9E-10	2.5E-08	4.9E-11	6.0E-10	2.8E-08	2.5E-09	3.1E-08	4.9E-11	6.0E-10	2.4E-08	1.0E-09	2.6E-08
2-Methyl naphthalene	1.0E-09	1.0E-08	5.9E-07	5.2E-08	6.5E-07	1.0E-09	1.0E-08	5.0E-07	2.2E-08	5.4E-07	1.1E-09	1.0E-08	6.2E-07	5.5E-08	6.9E-07	1.1E-09	1.0E-08	5.3E-07	2.3E-08	5.7E-07
Acenaphthene	3.7E-11	2.0E-10	2.1E-08	1.9E-09	2.3E-08	3.7E-11	2.0E-10	1.8E-08	7.7E-10	1.9E-08	3.6E-11	2.0E-10	2.1E-08	1.8E-09	2.3E-08	3.6E-11	2.0E-10	1.8E-08	7.6E-10	1.9E-08
Acenaphthylene	3.8E-11	NV	2.2E-08	1.9E-09	2.4E-08	3.8E-11	NV	1.9E-08	8.0E-10	2.0E-08	3.7E-11	NV	2.1E-08	1.9E-09	2.3E-08	3.7E-11	NV	1.8E-08	7.7E-10	1.9E-08
Anthracene	1.1E-11	1.3E-11	6.2E-09	5.5E-10	6.8E-09	1.1E-11	1.3E-11	5.3E-09	2.3E-10	5.6E-09	1.1E-11	1.3E-11	6.0E-09	5.4E-10	6.6E-09	1.1E-11	1.3E-11	5.2E-09	2.2E-10	5.4E-09
Benzo (ghi) perylene	1.7E-09	NV	9.6E-07	8.6E-08	1.1E-06	1.7E-09	NV	8.3E-07	3.5E-08	8.6E-07	1.4E-09	NV	8.0E-07	7.2E-08	8.8E-07	1.4E-09	NV	6.9E-07	2.9E-08	7.2E-07
Fluoranthene	5.4E-09	NV	3.1E-06	2.7E-07	3.3E-06	5.4E-09	NV	2.6E-06	1.1E-07	2.7E-06	4.2E-09	NV	2.4E-06	2.1E-07	2.6E-06	4.2E-09	NV	2.1E-06	8.8E-08	2.2E-06
Fluorene	5.4E-11	1.3E-10	3.1E-08	2.8E-09	3.4E-08	5.4E-11	1.3E-10	2.7E-08	1.1E-09	2.8E-08	5.4E-11	1.3E-10	3.1E-08	2.7E-09	3.4E-08	5.4E-11	1.3E-10	2.6E-08	1.1E-09	2.8E-08
Naphthalene	2.9E-09	4.0E-08	6.1E-08	5.5E-09	1.1E-07	2.9E-09	4.0E-08	5.3E-08	2.3E-09	9.8E-08	2.9E-09	4.0E-08	6.1E-08	5.4E-09	1.1E-07	2.9E-09	4.0E-08	5.3E-08	2.2E-09	9.7E-08
Phenanthrene	2.3E-10	NV	1.3E-07	1.2E-08	1.4E-07	2.3E-10	NV	1.1E-07	4.9E-09	1.2E-07	1.8E-10	NV	1.0E-07	9.2E-09	1.1E-07	1.8E-10	NV	8.9E-08	3.8E-09	9.3E-08
Pyrene	6.2E-09	8.5E-10	3.5E-06	3.2E-07	3.9E-06	6.2E-09	8.5E-10	3.0E-06	1.3E-07	3.2E-06	4.9E-09	8.5E-10	2.8E-06	2.5E-07	3.1E-06	4.9E-09	8.5E-10	2.4E-06	1.0E-07	2.5E-06
Pesticides																				
4,4-DDE	1.6E-08	1.3E-09	3.1E-06	8.4E-07	4.0E-06	1.6E-08	1.3E-09	2.7E-06	3.4E-07	3.1E-06	3.3E-09	1.3E-09	6.2E-07	1.7E-07	7.9E-07	3.3E-09	1.3E-09	5.3E-07	6.8E-08	6.1E-07
4,4-DDT	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07
alpha-Chlordane	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06
Dieldrin	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05
gamma-Chlordane	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06

Table OCS-B1.4f
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polychlorinated Biphenyls																				
Total PCBs	2.0E-05	2.4E-05	1.2E-02	1.0E-03	1.3E-02	2.0E-05	2.4E-05	1.0E-02	4.3E-04	1.0E-02	2.0E-05	2.4E-05	1.1E-02	1.0E-03	1.3E-02	2.0E-05	2.4E-05	9.9E-03	4.2E-04	1.0E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	3.3E-06	4.1E-04	2.0E-03	2.7E-04	2.7E-03	3.3E-06	4.1E-04	1.7E-03	1.1E-04	2.3E-03	2.3E-06	4.1E-04	1.4E-03	1.9E-04	2.0E-03	2.3E-06	4.1E-04	1.2E-03	7.9E-05	1.7E-03
TPH as motor oil	1.5E-06	NV	5.7E-04	7.6E-05	6.5E-04	1.5E-06	NV	4.9E-04	3.1E-05	5.2E-04	1.1E-06	NV	4.3E-04	5.7E-05	4.9E-04	1.1E-06	NV	3.7E-04	2.4E-05	3.9E-04
Dioxins/Furans																				
TEQ Human	8.3E-06	3.1E-06	1.4E-02	6.0E-03	2.0E-02	8.3E-06	3.1E-06	1.2E-02	2.5E-03	1.4E-02	9.2E-06	3.1E-06	1.5E-02	6.7E-03	2.2E-02	9.2E-06	3.1E-06	1.3E-02	2.8E-03	1.6E-02
Total Hazard Index	**1E-03**	**4E-04**	**4E-02**	**2E-02**	**6E-02**	**1E-03**	**4E-04**	**3E-02**	**7E-03**	**4E-02**	**9E-04**	**4E-04**	**3E-02**	**1E-02**	**4E-02**	**9E-04**	**4E-04**	**3E-02**	**4E-03**	**3E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.4g
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Total Hazard Index
Inorganics						
Antimony	1.5E-09	NV	1.5E-09	6.0E-10	NV	6.0E-10
Chromium, Hexavalent	6.7E-07	NV	6.7E-07	4.5E-07	NV	4.5E-07
Chromium, total	4.3E-11	NV	4.3E-11	5.3E-11	NV	5.3E-11
Copper	7.6E-10	NV	7.6E-10	7.5E-10	NV	7.5E-10
Cyanide	5.5E-10	NV	5.5E-10	5.5E-10	NV	5.5E-10
Lead	na	na	na	na	na	na
Mercury (inorganic)	3.4E-08	NV	3.4E-08	6.2E-08	NV	6.2E-08
Nitrate	1.7E-11	NV	1.7E-11	1.7E-11	NV	1.7E-11
Orthophosphate	NS	NV	--	NS	NV	--
Phosphate	3.7E-12	NV	3.7E-12	3.7E-12	NV	3.7E-12
Thallium	1.2E-07	NV	1.2E-07	2.6E-08	NV	2.6E-08
Zinc	1.6E-10	NV	1.6E-10	1.7E-10	NV	1.7E-10
Volatile Organic Compounds						
Bromomethane	ND	3.7E-06	3.7E-06	1.0E-11	3.7E-06	3.7E-06
Chloro methane	ND	1.1E-07	1.1E-07	2.5E-13	1.1E-07	1.1E-07
Chloroform	ND	4.2E-08	4.2E-08	2.3E-13	4.2E-08	4.2E-08
Isophorone	2.8E-12	NV	2.8E-12	2.9E-11	NV	2.9E-11
Methyl acetate	ND	7.5E-10	7.5E-10	8.6E-15	7.5E-10	7.5E-10

Table OCS-B1.4g
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Total Hazard Index
Semi-Volatile Organic Compounds						
4-Methylphenol	1.4E-12	NV	1.4E-12	1.2E-12	NV	1.2E-12
bis (2-ethylhexyl) phthalate	5.0E-11	NV	5.0E-11	4.5E-12	NV	4.5E-12
Butylbenzylphthalate	ND	NV	--	ND	NV	--
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	2.9E-14	3.9E-10	3.9E-10	3.1E-14	3.9E-10	3.9E-10
2-Methyl naphthalene	6.4E-13	6.9E-09	6.9E-09	6.8E-13	6.9E-09	6.9E-09
Acenaphthene	2.3E-14	1.3E-10	1.3E-10	2.2E-14	1.3E-10	1.3E-10
Acenaphthylene	2.4E-14	NV	2.4E-14	2.3E-14	NV	2.3E-14
Anthracene	6.8E-15	8.6E-12	8.6E-12	6.6E-15	8.6E-12	8.6E-12
Benzo (ghi) perylene	1.0E-12	NV	1.0E-12	8.8E-13	NV	8.8E-13
Fluoranthene	3.3E-12	NV	3.3E-12	2.6E-12	NV	2.6E-12
Fluorene	3.4E-14	8.7E-11	8.7E-11	3.3E-14	8.7E-11	8.7E-11
Naphthalene	1.8E-12	2.6E-08	2.6E-08	1.8E-12	2.6E-08	2.6E-08
Phenanthrene	1.4E-13	NV	1.4E-13	1.1E-13	NV	1.1E-13
Pyrene	3.9E-12	5.6E-10	5.6E-10	3.1E-12	5.6E-10	5.6E-10
Pesticides						
4,4-DDE	1.0E-11	8.5E-10	8.6E-10	2.0E-12	8.5E-10	8.5E-10
4,4-DDT	3.0E-12	NV	3.0E-12	3.0E-12	NV	3.0E-12
alpha-Chlordane	3.5E-11	NV	3.5E-11	3.5E-11	NV	3.5E-11
Dieldrin	6.7E-11	NV	6.7E-11	6.7E-11	NV	6.7E-11
gamma-Chlordane	3.7E-11	NV	3.7E-11	3.7E-11	NV	3.7E-11

Table OCS-B1.4g
Baseline Scenario HIs for COPCs in OCS Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Total Hazard Index
Polychlorinated Biphenyls						
Total PCBs	1.3E-08	1.6E-05	1.6E-05	1.3E-08	1.6E-05	1.6E-05
Total Petroleum Hydrocarbons						
TPH as diesel	2.0E-09	2.7E-04	2.7E-04	1.4E-09	2.7E-04	2.7E-04
TPH as motor oil	9.3E-10	NV	9.3E-10	7.0E-10	NV	7.0E-10
Dioxins/Furans						
TEQ Human	5.2E-09	2.1E-06	2.1E-06	5.7E-09	2.1E-06	2.1E-06
Total Hazard Index	**8E-07**	**3E-04**	**3E-04**	**6E-07**	**3E-04**	**3E-04**

Notes:

[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:

-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B1.5a
Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	28.9	38.1	25.7	19.0
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	40	40	40	40
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.015**	**0.020**	**0.014**	**0.010**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.03	0.04	0.03	0.02
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **994**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (40 days/year) is a site-specific value for short-term maintenance workers as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCS-B1.5b
Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	28.9	38.1	25.7	19.0
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	10	10	10	10
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.004**	**0.005**	**0.003**	**0.002**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.01	0.01	0.01	0.00
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **3977**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (10 days/year) is a site-specific value for long-term maintenance workers, based on 4 work hours per 8 hour work day, 20 days per year as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCS-B1.5c

Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	28.9
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.007	0.013	0.02	0.02	0.02	2159
BLOOD Pb, PICA CHILD	0.015	0.03	0.03	0.04	0.04	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	6.0E-05	1%		6.0E-05	0.4%
Soil Ingestion	2.5E-4	7.3E-03	99%	5.0E-4	1.5E-02	100%
Inhalation	7.0E-8	2.0E-06	0.03%		2.0E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B1.5d

Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	38.1
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.010	0.018	0.02	0.03	0.03	2159
BLOOD Pb, PICA CHILD	0.019	0.04	0.04	0.05	0.06	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	7.9E-05	1%		7.9E-05	0.4%
Soil Ingestion	2.5E-4	9.6E-03	99%	5.0E-4	1.9E-02	100%
Inhalation	7.0E-8	2.7E-06	0.03%		2.7E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B1.5e

Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	28.9
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.015	0.027	0.03	0.04	0.04	1079
BLOOD Pb, PICA CHILD	0.029	0.05	0.06	0.08	0.09	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	1.2E-04	1%		1.2E-04	0.4%
Soil Ingestion	5.0E-4	1.5E-02	99%	1.0E-3	2.9E-02	100%
Inhalation	1.4E-7	4.0E-06	0.03%		4.0E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B1.5f

Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPC: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	38.1
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.019	0.035	0.04	0.05	0.06	1079
BLOOD Pb, PICA CHILD	0.038	0.07	0.08	0.10	0.12	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	1.6E-04	1%		1.6E-04	0.4%
Soil Ingestion	5.0E-4	1.9E-02	99%	1.0E-3	3.8E-02	100%
Inhalation	1.4E-7	5.3E-06	0.03%		5.3E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B1.5g

Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Depth-Weighted EPCs: Recreational User (Hunter)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	28.9	38.1
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.05	0.05
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	8	8
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.002**	**0.002**
$PbB_{fetal,0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.003	0.004
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**

PRG90 **9942**

Notes:

Highlighted values are site-specific: soil ingestion rate of 50 mg/day is the default incidental soil ingestion rate evaluation of exposure to lead in soil (USEPA 2003). Exposure frequency (8 days/year) based on the assumption of 8 days per month, 1 month per year as shown in Table 5.1 of the main report.

References:

USEPA. 2003. Recommendations of the Technical Review Workgroup for Lead for an Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil. EPA-540-R-03-001. January.

Table OCS-B1.5h

Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	28.9
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.005	0.009	0.01	0.01	0.01	3180
BLOOD Pb, PICA CHILD	0.030	0.05	0.06	0.08	0.09	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	4.8E-04	10%		4.8E-04	1.6%
Soil Ingestion	1.6E-4	4.5E-03	90%	1.0E-3	2.9E-02	98%
Inhalation	8.7E-9	2.5E-07	0.01%		2.5E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

Table OCS-B1.5i

Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPC: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	38.1
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.007	0.012	0.01	0.02	0.02	3180
BLOOD Pb, PICA CHILD	0.039	0.07	0.08	0.10	0.12	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	6.3E-04	10%		6.3E-04	1.6%
Soil Ingestion	1.6E-4	5.9E-03	90%	1.0E-3	3.8E-02	98%
Inhalation	8.7E-9	3.3E-07	0.01%		3.3E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

Attachment OCS-B2
Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at Areas Outside The Compressor Station Using Area-Weighted EPCs

Tables

OCS-B2.1a	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCS-B2.1b	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCS-B2.1c	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper
OCS-B2.1d	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCS-B2.1e	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B2.2a	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCS-B2.2b	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCS-B2.2c	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper
OCS-B2.2d	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCS-B2.2e	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B2.3a	Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCS-B2.3b	Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCS-B2.3c	Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User- Camper
OCS-B2.3d	Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCS-B2.3e	Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B2.4a	Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCS-B2.4b	Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCS-B2.4c	Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper
OCS-B2.4d	Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCS-B2.4e	Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCS-B2.5a	Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCS-B2.5b	Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCS-B2.5c	Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)
OCS-B2.5d	Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)
OCS-B2.5e	Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)
OCS-B2.5f	Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)
OCS-B2.5g	Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)
OCS-B2.5h	Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Table OCS-B2.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	9.7E-09	NV	NA	1.2E-07	6.5E-09	NV	NA	8.0E-08	3.5E-09	NV	NA	4.3E-08	2.5E-09	NV	NA	3.0E-08
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	6.1E-09	ND	ND	5.7E-12	6.1E-09	1.0E-10	7.1E-11	5.2E-12	6.1E-09	9.3E-11	6.4E-11	3.9E-12	6.1E-09	7.1E-11	4.9E-11
Isophorone	NC	NC	2.6E-08	1.8E-08	NC	NC	2.7E-07	1.8E-07	NC	NC	2.7E-07	1.8E-07	NC	NC	1.6E-07	1.1E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	1.0E-09	NV	1.9E-08	1.3E-08	3.0E-10	NV	5.5E-09	3.8E-09	3.2E-10	NV	5.9E-09	4.0E-09	2.7E-10	NV	4.9E-09	3.3E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.2E-07	8.3E-08
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	2.0E-12	1.2E-10	5.4E-11	2.4E-11	1.9E-12	1.2E-10	5.1E-11	2.3E-11	1.8E-12	1.2E-10	4.9E-11	2.2E-11	1.8E-12	1.2E-10	4.8E-11	2.2E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B2.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	2.2E-12	1.9E-10	6.0E-11	2.7E-11	2.3E-12	1.9E-10	6.2E-11	2.8E-11	2.2E-12	1.9E-10	5.9E-11	2.7E-11	2.2E-12	1.9E-10	5.9E-11	2.7E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	3.2E-12	1.5E-12	2.9E-11	3.9E-11	6.2E-13	1.5E-12	5.6E-12	7.6E-12	6.1E-13	1.5E-12	5.5E-12	7.5E-12	6.1E-13	1.5E-12	5.5E-12	7.5E-12
4,4-DDT	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11
alpha-Chlordane	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11
Dieldrin	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11
gamma-Chlordane	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11
Polychlorinated Biphenyls																
Total PCBs	6.5E-11	4.0E-10	1.8E-09	8.1E-10	5.8E-11	4.0E-10	1.6E-09	7.2E-10	5.4E-11	4.0E-10	1.5E-09	6.7E-10	5.2E-11	4.0E-10	1.4E-09	6.4E-10
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	1.1E-13	8.7E-14	5.9E-13	1.4E-12	7.7E-14	8.7E-14	4.2E-13	9.6E-13	5.2E-14	8.7E-14	2.8E-13	6.4E-13	4.1E-14	8.7E-14	2.2E-13	5.1E-13

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	7.2E-08	NV	NA	9.0E-07	4.9E-08	NV	NA	6.0E-07	2.6E-08	NV	NA	3.3E-07	1.8E-08	NV	NA	2.3E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	8.3E-09	ND	ND	4.3E-11	8.3E-09	1.6E-09	5.3E-10	3.9E-11	8.3E-09	1.4E-09	4.8E-10	2.9E-11	8.3E-09	1.1E-09	3.6E-10
Isophorone	NC	NC	4.0E-07	1.4E-07	NC	NC	4.1E-06	1.4E-06	NC	NC	4.0E-06	1.4E-06	NC	NC	2.4E-06	8.3E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	7.8E-09	NV	2.8E-07	9.7E-08	2.3E-09	NV	8.3E-08	2.8E-08	2.4E-09	NV	8.8E-08	3.0E-08	2.0E-09	NV	7.3E-08	2.5E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.8E-06	6.2E-07
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.5E-11	1.7E-10	8.1E-10	1.8E-10	1.4E-11	1.7E-10	7.7E-10	1.8E-10	1.4E-11	1.7E-10	7.3E-10	1.7E-10	1.3E-11	1.7E-10	7.2E-10	1.6E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B2.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.6E-11	2.5E-10	8.9E-10	2.0E-10	1.7E-11	2.5E-10	9.3E-10	2.1E-10	1.6E-11	2.5E-10	8.9E-10	2.0E-10	1.6E-11	2.5E-10	8.8E-10	2.0E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	2.4E-11	2.0E-12	4.3E-10	3.0E-10	4.6E-12	2.0E-12	8.4E-11	5.7E-11	4.5E-12	2.0E-12	8.2E-11	5.6E-11	4.5E-12	2.0E-12	8.2E-11	5.6E-11
4,4-DDT	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10
alpha-Chlordane	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10
Dieldrin	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10
gamma-Chlordane	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10
Polychlorinated Biphenyls																
Total PCBs	4.9E-10	5.5E-10	2.7E-08	6.1E-09	4.4E-10	5.5E-10	2.4E-08	5.4E-09	4.1E-10	5.5E-10	2.2E-08	5.0E-09	3.9E-10	5.5E-10	2.1E-08	4.8E-09
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	8.2E-13	1.2E-13	8.9E-12	1.0E-11	5.8E-13	1.2E-13	6.3E-12	7.2E-12	3.9E-13	1.2E-13	4.2E-12	4.8E-12	3.1E-13	1.2E-13	3.4E-12	3.8E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.1c
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	3.1E-10	NV	NA	2.8E-06	2.1E-10	NV	NA	1.9E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	1.9E-08	ND	ND	6.6E-14	1.9E-08	1.2E-10	3.6E-10
Isophorone	NC	NC	3.0E-08	9.2E-08	NC	NC	3.0E-07	9.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	1.2E-11	NV	2.1E-08	6.6E-08	3.5E-12	NV	6.2E-09	1.9E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCS-B2.1c
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	2.3E-14	3.8E-10	6.0E-11	1.2E-10	2.2E-14	3.8E-10	5.7E-11	1.2E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	2.5E-14	5.7E-10	6.7E-11	1.4E-10	2.6E-14	5.7E-10	7.0E-11	1.4E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	3.7E-14	4.5E-12	3.2E-11	2.0E-10	7.1E-15	4.5E-12	6.2E-12	3.9E-11
4,4-DDT	1.8E-14	NV	1.6E-11	9.9E-11	1.8E-14	NV	1.6E-11	9.9E-11
alpha-Chlordane	7.2E-14	NV	6.3E-11	3.9E-10	7.2E-14	NV	6.3E-11	3.9E-10
Dieldrin	4.0E-14	NV	3.5E-11	2.2E-10	4.0E-14	NV	3.5E-11	2.2E-10
gamma-Chlordane	7.8E-14	NV	6.9E-11	4.3E-10	7.8E-14	NV	6.9E-11	4.3E-10
Polychlorinated Biphenyls								
Total PCBs	7.5E-13	1.2E-09	2.0E-09	4.1E-09	6.7E-13	1.2E-09	1.8E-09	3.7E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B2.1c
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	1.3E-15	2.7E-13	6.7E-13	6.9E-12	8.9E-16	2.7E-13	4.7E-13	4.9E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.1d
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	6.1E-10	NV	NA	5.5E-06	4.1E-10	NV	NA	3.7E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	3.7E-08	ND	ND	1.3E-13	3.7E-08	2.3E-10	7.2E-10
Isophorone	NC	NC	5.9E-08	1.8E-07	NC	NC	6.0E-07	1.9E-06
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	2.4E-11	NV	4.2E-08	1.3E-07	7.0E-12	NV	1.2E-08	3.8E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCS-B2.1d
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	4.5E-14	7.6E-10	1.2E-10	2.5E-10	4.3E-14	7.6E-10	1.1E-10	2.4E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	5.0E-14	1.1E-09	1.3E-10	2.8E-10	5.3E-14	1.1E-09	1.4E-10	2.9E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-14	9.1E-12	6.4E-11	4.0E-10	1.4E-14	9.1E-12	1.2E-11	7.8E-11
4,4-DDT	3.6E-14	NV	3.2E-11	2.0E-10	3.6E-14	NV	3.2E-11	2.0E-10
alpha-Chlordane	1.4E-13	NV	1.3E-10	7.9E-10	1.4E-13	NV	1.3E-10	7.9E-10
Dieldrin	8.0E-14	NV	7.1E-11	4.4E-10	8.0E-14	NV	7.1E-11	4.4E-10
gamma-Chlordane	1.6E-13	NV	1.4E-10	8.5E-10	1.6E-13	NV	1.4E-10	8.5E-10
Polychlorinated Biphenyls								
Total PCBs	1.5E-12	2.5E-09	4.0E-09	8.2E-09	1.3E-12	2.5E-09	3.6E-09	7.4E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B2.1d
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	2.5E-15	5.3E-13	1.3E-12	1.4E-11	1.8E-15	5.3E-13	9.4E-13	9.7E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	3.9E-08	NV	NA	3.2E-07	2.6E-08	NV	NA	2.2E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NC	NC	NC	NC	NC	NC	NC	NC
Orthophosphate	NS	NC	NS	NS	NS	NC	NS	NS
Phosphate	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	2.3E-09	ND	ND	1.3E-11	2.3E-09	1.1E-09	9.2E-11
Isophorone	NC	NC	2.9E-07	2.3E-08	NC	NC	2.9E-06	2.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	2.4E-09	NV	2.0E-07	1.7E-08	7.0E-10	NV	6.0E-08	4.9E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCS-B2.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	4.6E-12	4.7E-11	5.8E-10	3.2E-11	4.3E-12	4.7E-11	5.5E-10	3.0E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	5.1E-12	7.1E-11	6.4E-10	3.5E-11	5.3E-12	7.1E-11	6.7E-10	3.7E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-12	5.7E-13	3.1E-10	5.1E-11	1.4E-12	5.7E-13	6.0E-11	9.9E-12
4,4-DDT	3.6E-12	NV	1.5E-10	2.5E-11	3.6E-12	NV	1.5E-10	2.5E-11
alpha-Chlordane	1.4E-11	NV	6.1E-10	1.0E-10	1.4E-11	NV	6.1E-10	1.0E-10
Dieldrin	8.0E-12	NV	3.4E-10	5.6E-11	8.0E-12	NV	3.4E-10	5.6E-11
gamma-Chlordane	1.6E-11	NV	6.6E-10	1.1E-10	1.6E-11	NV	6.6E-10	1.1E-10
Polychlorinated Biphenyls								
Total PCBs	1.5E-10	1.5E-10	1.9E-08	1.0E-09	1.3E-10	1.5E-10	1.7E-08	9.4E-10
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCS-B2.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	2.5E-13	3.3E-14	6.4E-12	1.8E-12	1.8E-13	3.3E-14	4.5E-12	1.2E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	4.3E-08	NV	7.7E-08	5.3E-07	5.0E-08	NV	9.1E-08	6.2E-07	4.5E-08	NV	8.1E-08	5.6E-07	4.2E-08	NV	7.7E-08	5.2E-07
Chromium, Hexavalent	6.8E-07	NV	NA	8.4E-06	4.5E-07	NV	NA	5.6E-06	2.5E-07	NV	NA	3.0E-06	1.7E-07	NV	NA	2.1E-06
Chromium, total	2.1E-06	NV	3.8E-06	2.6E-05	2.7E-06	NV	4.9E-06	3.3E-05	2.8E-06	NV	5.0E-06	3.4E-05	2.8E-06	NV	5.0E-06	3.4E-05
Copper	1.1E-06	NV	2.0E-06	1.4E-05	1.1E-06	NV	2.0E-06	1.4E-05	8.8E-07	NV	1.6E-06	1.1E-05	7.6E-07	NV	1.4E-06	9.4E-06
Cyanide	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.2E-08	NV	2.1E-08	1.4E-07	1.8E-08	NV	3.3E-08	2.3E-07	3.0E-08	NV	5.3E-08	3.7E-07	2.1E-08	NV	3.8E-08	2.6E-07
Nitrate	2.0E-06	NV	3.6E-06	2.4E-05	2.0E-06	NV	3.6E-06	2.4E-05	2.0E-06	NV	3.6E-06	2.4E-05	2.0E-06	NV	3.6E-06	2.4E-05
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	1.1E-05	NV	2.0E-05	1.3E-04
Phosphate	1.3E-05	NV	2.4E-05	1.6E-04	1.3E-05	NV	2.4E-05	1.6E-04	1.3E-05	NV	2.4E-05	1.6E-04	1.3E-05	NV	2.4E-05	1.6E-04
Thallium	8.8E-08	NV	1.6E-07	1.1E-06	4.6E-08	NV	8.3E-08	5.7E-07	4.6E-08	NV	8.3E-08	5.7E-07	4.6E-08	NV	8.3E-08	5.7E-07
Zinc	2.3E-06	NV	4.1E-06	2.8E-05	2.5E-06	NV	4.5E-06	3.1E-05	2.3E-06	NV	4.1E-06	2.8E-05	2.2E-06	NV	3.9E-06	2.7E-05
Volatile Organic Compounds																
Bromomethane	ND	1.9E-06	ND	ND	9.5E-10	1.9E-06	1.7E-08	1.2E-08	8.6E-10	1.9E-06	1.6E-08	1.1E-08	6.5E-10	1.9E-06	1.2E-08	8.0E-09
Chloro methane	ND	1.0E-06	ND	ND	4.0E-10	1.0E-06	7.3E-09	5.0E-09	3.7E-10	1.0E-06	6.7E-09	4.6E-09	2.9E-10	1.0E-06	5.2E-09	3.6E-09
Chloroform	ND	4.3E-07	ND	ND	4.0E-10	4.3E-07	7.3E-09	5.0E-09	3.6E-10	4.3E-07	6.5E-09	4.5E-09	2.8E-10	4.3E-07	5.0E-09	3.4E-09
Isophorone	1.0E-07	NV	1.9E-06	1.3E-06	1.0E-06	NV	1.9E-05	1.3E-05	1.0E-06	NV	1.9E-05	1.3E-05	6.2E-07	NV	1.1E-05	7.7E-06
Methyl acetate	ND	3.1E-07	ND	ND	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09
Semi-Volatile Organic Compounds																
4-Methylphenol	1.6E-08	NV	2.8E-07	1.9E-07	1.3E-08	NV	2.3E-07	1.6E-07	1.1E-08	NV	2.1E-07	1.4E-07	9.3E-09	NV	1.7E-07	1.1E-07
bis (2-ethylhexyl) phthalate	7.3E-08	NV	1.3E-06	9.0E-07	2.1E-08	NV	3.9E-07	2.6E-07	2.3E-08	NV	4.1E-07	2.8E-07	1.9E-08	NV	3.4E-07	2.3E-07
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	4.7E-07	NV	8.5E-06	5.8E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.4E-10	8.7E-09	3.8E-09	1.7E-09	1.3E-10	8.7E-09	3.6E-09	1.6E-09	1.3E-10	8.7E-09	3.4E-09	1.6E-09	1.2E-10	8.7E-09	3.3E-09	1.5E-09
2-Methyl naphthalene	7.4E-10	4.8E-08	2.0E-08	9.2E-09	7.2E-10	4.8E-08	2.0E-08	9.0E-09	7.2E-10	4.8E-08	1.9E-08	8.9E-09	7.1E-10	4.8E-08	1.9E-08	8.7E-09
Acenaphthene	7.2E-10	1.9E-08	2.0E-08	9.0E-09	7.2E-10	1.9E-08	1.9E-08	8.9E-09	6.9E-10	1.9E-08	1.9E-08	8.6E-09	6.9E-10	1.9E-08	1.9E-08	8.5E-09
Acenaphthylene	7.1E-10	NV	1.9E-08	8.8E-09	7.2E-10	NV	1.9E-08	8.9E-09	6.9E-10	NV	1.9E-08	8.6E-09	6.9E-10	NV	1.9E-08	8.5E-09
Anthracene	7.9E-10	5.7E-09	2.1E-08	9.8E-09	7.5E-10	5.7E-09	2.0E-08	9.3E-09	7.3E-10	5.7E-09	2.0E-08	9.0E-09	7.2E-10	5.7E-09	2.0E-08	8.9E-09
Benzo (ghi) perylene	1.6E-09	NV	4.3E-08	1.9E-08	1.4E-09	NV	3.7E-08	1.7E-08	1.2E-09	NV	3.1E-08	1.4E-08	1.1E-09	NV	2.9E-08	1.3E-08
Fluoranthene	4.7E-09	NV	1.3E-07	5.8E-08	3.4E-09	NV	9.3E-08	4.2E-08	2.6E-09	NV	6.9E-08	3.2E-08	2.1E-09	NV	5.8E-08	2.7E-08

Table OCS-B2.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	7.1E-10	9.8E-09	1.9E-08	8.7E-09	7.3E-10	9.8E-09	2.0E-08	9.0E-09	6.9E-10	9.8E-09	1.9E-08	8.5E-09	7.0E-10	9.8E-09	1.9E-08	8.6E-09
Naphthalene	1.5E-10	1.3E-08	4.2E-09	1.9E-09	1.6E-10	1.3E-08	4.4E-09	2.0E-09	1.5E-10	1.3E-08	4.2E-09	1.9E-09	1.5E-10	1.3E-08	4.1E-09	1.9E-09
Phenanthrene	1.9E-09	NV	5.2E-08	2.4E-08	1.5E-09	NV	4.2E-08	1.9E-08	1.2E-09	NV	3.3E-08	1.5E-08	1.2E-09	NV	3.2E-08	1.4E-08
Pyrene	4.1E-09	3.2E-09	1.1E-07	5.1E-08	3.0E-09	3.2E-09	8.1E-08	3.7E-08	2.3E-09	3.2E-09	6.2E-08	2.8E-08	1.9E-09	3.2E-09	5.3E-08	2.4E-08
Pesticides																
4,4-DDE	2.2E-10	1.0E-10	2.0E-09	2.8E-09	4.3E-11	1.0E-10	3.9E-10	5.3E-10	4.2E-11	1.0E-10	3.8E-10	5.2E-10	4.2E-11	1.0E-10	3.8E-10	5.2E-10
4,4-DDT	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09
alpha-Chlordane	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09
Dieldrin	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09
gamma-Chlordane	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09
Polychlorinated Biphenyls																
Total PCBs	4.6E-09	2.8E-08	1.2E-07	5.7E-08	4.1E-09	2.8E-08	1.1E-07	5.1E-08	3.8E-09	2.8E-08	1.0E-07	4.7E-08	3.6E-09	2.8E-08	9.8E-08	4.5E-08
Total Petroleum Hydrocarbons																
TPH as diesel	2.0E-06	1.3E-03	3.5E-05	2.4E-05	1.2E-06	1.3E-03	2.2E-05	1.5E-05	8.0E-07	1.3E-03	1.4E-05	9.9E-06	6.3E-07	1.3E-03	1.1E-05	7.8E-06
TPH as motor oil	4.3E-06	NV	7.7E-05	5.3E-05	2.8E-06	NV	5.2E-05	3.5E-05	2.7E-06	NV	5.0E-05	3.4E-05	2.6E-06	NV	4.7E-05	3.2E-05
Dioxins/Furans																
TEQ Human	7.7E-12	6.1E-12	4.2E-11	9.5E-11	5.4E-12	6.1E-12	2.9E-11	6.7E-11	3.6E-12	6.1E-12	2.0E-11	4.5E-11	2.9E-12	6.1E-12	1.6E-11	3.6E-11

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	1.1E-08	NV	3.9E-08	1.3E-07	1.3E-08	NV	4.5E-08	1.5E-07	1.1E-08	NV	4.1E-08	1.4E-07	1.1E-08	NV	3.8E-08	1.3E-07
Chromium, Hexavalent	1.7E-07	NV	NA	2.1E-06	1.1E-07	NV	NA	1.4E-06	6.1E-08	NV	NA	7.6E-07	4.3E-08	NV	NA	5.3E-07
Chromium, total	5.2E-07	NV	1.9E-06	6.4E-06	6.7E-07	NV	2.4E-06	8.3E-06	6.9E-07	NV	2.5E-06	8.6E-06	6.9E-07	NV	2.5E-06	8.6E-06
Copper	2.8E-07	NV	1.0E-06	3.4E-06	2.8E-07	NV	1.0E-06	3.5E-06	2.2E-07	NV	8.0E-07	2.7E-06	1.9E-07	NV	6.9E-07	2.4E-06
Cyanide	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.9E-09	NV	1.1E-08	3.6E-08	4.6E-09	NV	1.7E-08	5.7E-08	7.4E-09	NV	2.7E-08	9.1E-08	5.2E-09	NV	1.9E-08	6.4E-08
Nitrate	4.9E-07	NV	1.8E-06	6.1E-06	4.9E-07	NV	1.8E-06	6.1E-06	4.9E-07	NV	1.8E-06	6.1E-06	4.9E-07	NV	1.8E-06	6.1E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	2.7E-06	NV	9.8E-06	3.3E-05
Phosphate	3.3E-06	NV	1.2E-05	4.0E-05	3.3E-06	NV	1.2E-05	4.0E-05	3.3E-06	NV	1.2E-05	4.0E-05	3.3E-06	NV	1.2E-05	4.0E-05
Thallium	2.2E-08	NV	7.9E-08	2.7E-07	1.1E-08	NV	4.1E-08	1.4E-07	1.1E-08	NV	4.1E-08	1.4E-07	1.1E-08	NV	4.1E-08	1.4E-07
Zinc	5.7E-07	NV	2.1E-06	7.1E-06	6.2E-07	NV	2.2E-06	7.7E-06	5.7E-07	NV	2.0E-06	7.0E-06	5.4E-07	NV	2.0E-06	6.7E-06
Volatile Organic Compounds																
Bromomethane	ND	8.6E-08	ND	ND	2.4E-10	8.6E-08	8.6E-09	2.9E-09	2.1E-10	8.6E-08	7.8E-09	2.7E-09	1.6E-10	8.6E-08	5.9E-09	2.0E-09
Chloro methane	ND	4.6E-08	ND	ND	1.0E-10	4.6E-08	3.6E-09	1.2E-09	9.2E-11	4.6E-08	3.3E-09	1.1E-09	7.3E-11	4.6E-08	2.6E-09	9.0E-10
Chloroform	ND	1.9E-08	ND	ND	1.0E-10	1.9E-08	3.6E-09	1.2E-09	9.0E-11	1.9E-08	3.3E-09	1.1E-09	6.9E-11	1.9E-08	2.5E-09	8.5E-10
Isophorone	2.6E-08	NV	9.3E-07	3.2E-07	2.6E-07	NV	9.5E-06	3.2E-06	2.6E-07	NV	9.4E-06	3.2E-06	1.6E-07	NV	5.7E-06	1.9E-06
Methyl acetate	ND	1.4E-08	ND	ND	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09
Semi-Volatile Organic Compounds																
4-Methylphenol	3.9E-09	NV	1.4E-07	4.9E-08	3.2E-09	NV	1.1E-07	3.9E-08	2.9E-09	NV	1.0E-07	3.5E-08	2.3E-09	NV	8.4E-08	2.9E-08
bis (2-ethylhexyl) phthalate	1.8E-08	NV	6.6E-07	2.3E-07	5.3E-09	NV	1.9E-07	6.6E-08	5.7E-09	NV	2.1E-07	7.0E-08	4.7E-09	NV	1.7E-07	5.8E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	1.2E-07	NV	4.3E-06	1.5E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	3.5E-11	4.0E-10	1.9E-09	4.3E-10	3.3E-11	4.0E-10	1.8E-09	4.1E-10	3.2E-11	4.0E-10	1.7E-09	3.9E-10	3.1E-11	4.0E-10	1.7E-09	3.8E-10
2-Methyl naphthalene	1.9E-10	2.2E-09	1.0E-08	2.3E-09	1.8E-10	2.2E-09	9.8E-09	2.2E-09	1.8E-10	2.2E-09	9.7E-09	2.2E-09	1.8E-10	2.2E-09	9.6E-09	2.2E-09
Acenaphthene	1.8E-10	8.9E-10	9.8E-09	2.2E-09	1.8E-10	8.9E-10	9.7E-09	2.2E-09	1.7E-10	8.9E-10	9.4E-09	2.1E-09	1.7E-10	8.9E-10	9.4E-09	2.1E-09
Acenaphthylene	1.8E-10	NV	9.7E-09	2.2E-09	1.8E-10	NV	9.7E-09	2.2E-09	1.7E-10	NV	9.4E-09	2.1E-09	1.7E-10	NV	9.3E-09	2.1E-09
Anthracene	2.0E-10	2.6E-10	1.1E-08	2.4E-09	1.9E-10	2.6E-10	1.0E-08	2.3E-09	1.8E-10	2.6E-10	9.9E-09	2.2E-09	1.8E-10	2.6E-10	9.8E-09	2.2E-09
Benzo (ghi) perylene	3.9E-10	NV	2.1E-08	4.9E-09	3.4E-10	NV	1.8E-08	4.2E-09	2.9E-10	NV	1.6E-08	3.6E-09	2.7E-10	NV	1.5E-08	3.3E-09
Fluoranthene	1.2E-09	NV	6.3E-08	1.4E-08	8.5E-10	NV	4.6E-08	1.1E-08	6.4E-10	NV	3.5E-08	7.9E-09	5.4E-10	NV	2.9E-08	6.6E-09

Table OCS-B2.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	1.8E-10	4.5E-10	9.6E-09	2.2E-09	1.8E-10	4.5E-10	9.9E-09	2.2E-09	1.7E-10	4.5E-10	9.4E-09	2.1E-09	1.7E-10	4.5E-10	9.5E-09	2.2E-09
Naphthalene	3.8E-11	5.9E-10	2.1E-09	4.8E-10	4.0E-11	5.9E-10	2.2E-09	5.0E-10	3.8E-11	5.9E-10	2.1E-09	4.7E-10	3.8E-11	5.9E-10	2.1E-09	4.7E-10
Phenanthrene	4.7E-10	NV	2.6E-08	5.9E-09	3.8E-10	NV	2.1E-08	4.7E-09	3.1E-10	NV	1.7E-08	3.8E-09	2.9E-10	NV	1.6E-08	3.6E-09
Pyrene	1.0E-09	1.5E-10	5.6E-08	1.3E-08	7.4E-10	1.5E-10	4.0E-08	9.2E-09	5.7E-10	1.5E-10	3.1E-08	7.1E-09	4.8E-10	1.5E-10	2.6E-08	6.0E-09
Pesticides																
4,4-DDE	5.6E-11	4.7E-12	1.0E-09	6.9E-10	1.1E-11	4.7E-12	2.0E-10	1.3E-10	1.1E-11	4.7E-12	1.9E-10	1.3E-10	1.1E-11	4.7E-12	1.9E-10	1.3E-10
4,4-DDT	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10
alpha-Chlordane	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09
Dieldrin	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10
gamma-Chlordane	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09
Polychlorinated Biphenyls																
Total PCBs	1.1E-09	1.3E-09	6.2E-08	1.4E-08	1.0E-09	1.3E-09	5.6E-08	1.3E-08	9.5E-10	1.3E-09	5.2E-08	1.2E-08	9.1E-10	1.3E-09	4.9E-08	1.1E-08
Total Petroleum Hydrocarbons																
TPH as diesel	4.9E-07	5.9E-05	1.8E-05	6.1E-06	3.1E-07	5.9E-05	1.1E-05	3.8E-06	2.0E-07	5.9E-05	7.2E-06	2.5E-06	1.6E-07	5.9E-05	5.7E-06	2.0E-06
TPH as motor oil	1.1E-06	NV	3.9E-05	1.3E-05	7.1E-07	NV	2.6E-05	8.8E-06	6.8E-07	NV	2.5E-05	8.5E-06	6.5E-07	NV	2.4E-05	8.0E-06
Dioxins/Furans																
TEQ Human	1.9E-12	2.8E-13	2.1E-11	2.4E-11	1.4E-12	2.8E-13	1.5E-11	1.7E-11	9.0E-13	2.8E-13	9.8E-12	1.1E-11	7.2E-13	2.8E-13	7.8E-12	8.9E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	1.9E-11	NV	9.9E-09	3.4E-07	1.9E-11	NV	1.4E-09	3.2E-08	2.2E-11	NV	1.2E-08	4.0E-07	2.2E-11	NV	1.6E-09	3.8E-08
Chromium, Hexavalent	3.0E-10	NV	NA	5.4E-06	3.0E-10	NV	NA	5.1E-07	2.0E-10	NV	NA	3.6E-06	2.0E-10	NV	NA	3.4E-07
Chromium, total	9.2E-10	NV	4.8E-07	1.7E-05	9.2E-10	NV	6.6E-08	1.6E-06	1.2E-09	NV	6.2E-07	2.1E-05	1.2E-09	NV	8.5E-08	2.0E-06
Copper	4.9E-10	NV	2.6E-07	8.9E-06	4.9E-10	NV	3.5E-08	8.3E-07	5.0E-10	NV	2.6E-07	9.1E-06	5.0E-10	NV	3.6E-08	8.5E-07
Cyanide	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	5.1E-12	NV	2.7E-09	9.3E-08	5.1E-12	NV	3.7E-10	8.7E-09	8.1E-12	NV	4.3E-09	1.5E-07	8.1E-12	NV	5.8E-10	1.4E-08
Nitrate	8.7E-10	NV	4.6E-07	1.6E-05	8.7E-10	NV	6.2E-08	1.5E-06	8.7E-10	NV	4.6E-07	1.6E-05	8.7E-10	NV	6.2E-08	1.5E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	5.8E-09	NV	3.0E-06	1.0E-04	5.8E-09	NV	4.1E-07	9.8E-06	5.8E-09	NV	3.0E-06	1.0E-04	5.8E-09	NV	4.1E-07	9.8E-06
Thallium	3.9E-11	NV	2.0E-08	7.0E-07	3.9E-11	NV	2.8E-09	6.6E-08	2.0E-11	NV	1.1E-08	3.7E-07	2.0E-11	NV	1.4E-09	3.4E-08
Zinc	1.0E-09	NV	5.3E-07	1.8E-05	1.0E-09	NV	7.2E-08	1.7E-06	1.1E-09	NV	5.8E-07	2.0E-05	1.1E-09	NV	7.9E-08	1.9E-06
Volatile Organic Compounds																
Bromomethane	ND	2.2E-07	ND	ND	ND	2.2E-07	ND	ND	4.2E-13	2.2E-07	2.2E-09	7.6E-09	4.2E-13	2.2E-07	3.0E-10	7.1E-10
Chloro methane	ND	1.2E-07	ND	ND	ND	1.2E-07	ND	ND	1.8E-13	1.2E-07	9.3E-10	3.2E-09	1.8E-13	1.2E-07	1.3E-10	3.0E-10
Chloroform	ND	5.0E-08	ND	ND	ND	5.0E-08	ND	ND	1.8E-13	5.0E-08	9.3E-10	3.2E-09	1.8E-13	5.0E-08	1.3E-10	3.0E-10
Isophorone	4.5E-11	NV	2.4E-07	8.2E-07	4.5E-11	NV	3.2E-08	7.7E-08	4.6E-10	NV	2.4E-06	8.4E-06	4.6E-10	NV	3.3E-07	7.8E-07
Methyl acetate	ND	3.6E-08	ND	ND	ND	3.6E-08	ND	ND	2.7E-13	3.6E-08	1.4E-09	5.0E-09	2.7E-13	3.6E-08	2.0E-10	4.7E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	6.9E-12	NV	3.6E-08	1.3E-07	6.9E-12	NV	5.0E-09	1.2E-08	5.6E-12	NV	2.9E-08	1.0E-07	5.6E-12	NV	4.0E-09	9.5E-09
bis (2-ethylhexyl) phthalate	3.2E-11	NV	1.7E-07	5.8E-07	3.2E-11	NV	2.3E-08	5.5E-08	9.4E-12	NV	4.9E-08	1.7E-07	9.4E-12	NV	6.8E-09	1.6E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	6.1E-14	1.0E-09	4.8E-10	1.1E-09	6.1E-14	1.0E-09	6.6E-11	1.0E-10	5.8E-14	1.0E-09	4.6E-10	1.1E-09	5.8E-14	1.0E-09	6.3E-11	9.9E-11
2-Methyl naphthalene	3.3E-13	5.7E-09	2.6E-09	5.9E-09	3.3E-13	5.7E-09	3.5E-10	5.6E-10	3.2E-13	5.7E-09	2.5E-09	5.8E-09	3.2E-13	5.7E-09	3.4E-10	5.4E-10
Acenaphthene	3.2E-13	2.3E-09	2.5E-09	5.8E-09	3.2E-13	2.3E-09	3.4E-10	5.4E-10	3.2E-13	2.3E-09	2.5E-09	5.7E-09	3.2E-13	2.3E-09	3.4E-10	5.4E-10
Acenaphthylene	3.1E-13	NV	2.5E-09	5.7E-09	3.1E-13	NV	3.4E-10	5.3E-10	3.2E-13	NV	2.5E-09	5.7E-09	3.2E-13	NV	3.4E-10	5.4E-10
Anthracene	3.5E-13	6.7E-10	2.7E-09	6.3E-09	3.5E-13	6.7E-10	3.7E-10	5.9E-10	3.3E-13	6.7E-10	2.6E-09	6.0E-09	3.3E-13	6.7E-10	3.6E-10	5.6E-10
Benzo (ghi) perylene	6.9E-13	NV	5.5E-09	1.3E-08	6.9E-13	NV	7.5E-10	1.2E-09	6.0E-13	NV	4.7E-09	1.1E-08	6.0E-13	NV	6.5E-10	1.0E-09
Fluoranthene	2.1E-12	NV	1.6E-08	3.7E-08	2.1E-12	NV	2.2E-09	3.5E-09	1.5E-12	NV	1.2E-08	2.7E-08	1.5E-12	NV	1.6E-09	2.6E-09

Table OCS-B2.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	3.1E-13	1.2E-09	2.5E-09	5.6E-09	3.1E-13	1.2E-09	3.3E-10	5.3E-10	3.2E-13	1.2E-09	2.5E-09	5.8E-09	3.2E-13	1.2E-09	3.5E-10	5.5E-10
Naphthalene	6.8E-14	1.5E-09	5.4E-10	1.2E-09	6.8E-14	1.5E-09	7.3E-11	1.2E-10	7.1E-14	1.5E-09	5.6E-10	1.3E-09	7.1E-14	1.5E-09	7.6E-11	1.2E-10
Phenanthrene	8.4E-13	NV	6.6E-09	1.5E-08	8.4E-13	NV	9.0E-10	1.4E-09	6.8E-13	NV	5.3E-09	1.2E-08	6.8E-13	NV	7.3E-10	1.2E-09
Pyrene	1.8E-12	3.8E-10	1.4E-08	3.3E-08	1.8E-12	3.8E-10	2.0E-09	3.1E-09	1.3E-12	3.8E-10	1.0E-08	2.4E-08	1.3E-12	3.8E-10	1.4E-09	2.2E-09
Pesticides																
4,4-DDE	9.8E-14	1.2E-11	2.6E-10	1.8E-09	9.8E-14	1.2E-11	3.5E-11	1.7E-10	1.9E-14	1.2E-11	5.0E-11	3.4E-10	1.9E-14	1.2E-11	6.8E-12	3.2E-11
4,4-DDT	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11
alpha-Chlordane	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10
Dieldrin	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10
gamma-Chlordane	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10
Polychlorinated Biphenyls																
Total PCBs	2.0E-12	3.3E-09	1.6E-08	3.7E-08	2.0E-12	3.3E-09	2.2E-09	3.4E-09	1.8E-12	3.3E-09	1.4E-08	3.3E-08	1.8E-12	3.3E-09	1.9E-09	3.1E-09
Total Petroleum Hydrocarbons																
TPH as diesel	8.7E-10	1.5E-04	4.6E-06	1.6E-05	8.7E-10	1.5E-04	6.2E-07	1.5E-06	5.4E-10	1.5E-04	2.8E-06	9.8E-06	5.4E-10	1.5E-04	3.9E-07	9.2E-07
TPH as motor oil	1.9E-09	NV	9.9E-06	3.4E-05	1.9E-09	NV	1.4E-06	3.2E-06	1.3E-09	NV	6.6E-06	2.3E-05	1.3E-09	NV	9.0E-07	2.1E-06
Dioxins/Furans																
TEQ Human	3.4E-15	7.2E-13	5.3E-12	6.1E-11	3.4E-15	7.2E-13	7.3E-13	5.8E-12	2.4E-15	7.2E-13	3.8E-12	4.3E-11	2.4E-15	7.2E-13	5.1E-13	4.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	3.8E-11	NV	2.0E-08	6.8E-07	3.8E-11	NV	2.7E-09	6.4E-08	4.4E-11	NV	2.3E-08	8.0E-07	4.4E-11	NV	3.2E-09	7.5E-08
Chromium, Hexavalent	6.0E-10	NV	NA	1.1E-05	6.0E-10	NV	NA	1.0E-06	4.0E-10	NV	NA	7.2E-06	4.0E-10	NV	NA	6.8E-07
Chromium, total	1.8E-09	NV	9.6E-07	3.3E-05	1.8E-09	NV	1.3E-07	3.1E-06	2.4E-09	NV	1.2E-06	4.3E-05	2.4E-09	NV	1.7E-07	4.0E-06
Copper	9.8E-10	NV	5.2E-07	1.8E-05	9.8E-10	NV	7.0E-08	1.7E-06	1.0E-09	NV	5.3E-07	1.8E-05	1.0E-09	NV	7.2E-08	1.7E-06
Cyanide	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.0E-11	NV	5.4E-09	1.9E-07	1.0E-11	NV	7.4E-10	1.7E-08	1.6E-11	NV	8.5E-09	2.9E-07	1.6E-11	NV	1.2E-09	2.8E-08
Nitrate	1.7E-09	NV	9.2E-07	3.2E-05	1.7E-09	NV	1.2E-07	3.0E-06	1.7E-09	NV	9.2E-07	3.2E-05	1.7E-09	NV	1.2E-07	3.0E-06
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	1.2E-08	NV	6.1E-06	2.1E-04	1.2E-08	NV	8.3E-07	2.0E-05	1.2E-08	NV	6.1E-06	2.1E-04	1.2E-08	NV	8.3E-07	2.0E-05
Thallium	7.7E-11	NV	4.1E-08	1.4E-06	7.7E-11	NV	5.6E-09	1.3E-07	4.0E-11	NV	2.1E-08	7.3E-07	4.0E-11	NV	2.9E-09	6.8E-08
Zinc	2.0E-09	NV	1.1E-06	3.7E-05	2.0E-09	NV	1.4E-07	3.4E-06	2.2E-09	NV	1.2E-06	4.0E-05	2.2E-09	NV	1.6E-07	3.7E-06
Volatile Organic Compounds																
Bromomethane	ND	4.5E-07	ND	ND	ND	4.5E-07	ND	ND	8.4E-13	4.5E-07	4.4E-09	1.5E-08	8.4E-13	4.5E-07	6.0E-10	1.4E-09
Chloro methane	ND	2.4E-07	ND	ND	ND	2.4E-07	ND	ND	3.5E-13	2.4E-07	1.9E-09	6.4E-09	3.5E-13	2.4E-07	2.5E-10	6.0E-10
Chloroform	ND	1.0E-07	ND	ND	ND	1.0E-07	ND	ND	3.5E-13	1.0E-07	1.9E-09	6.4E-09	3.5E-13	1.0E-07	2.5E-10	6.0E-10
Isophorone	9.0E-11	NV	4.7E-07	1.6E-06	9.0E-11	NV	6.5E-08	1.5E-07	9.2E-10	NV	4.8E-06	1.7E-05	9.2E-10	NV	6.6E-07	1.6E-06
Methyl acetate	ND	7.3E-08	ND	ND	ND	7.3E-08	ND	ND	5.5E-13	7.3E-08	2.9E-09	9.9E-09	5.5E-13	7.3E-08	3.9E-10	9.3E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-11	NV	7.3E-08	2.5E-07	1.4E-11	NV	9.9E-09	2.4E-08	1.1E-11	NV	5.8E-08	2.0E-07	1.1E-11	NV	8.0E-09	1.9E-08
bis (2-ethylhexyl) phthalate	6.4E-11	NV	3.4E-07	1.2E-06	6.4E-11	NV	4.6E-08	1.1E-07	1.9E-11	NV	9.9E-08	3.4E-07	1.9E-11	NV	1.4E-08	3.2E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.2E-13	2.0E-09	9.6E-10	2.2E-09	1.2E-13	2.0E-09	1.3E-10	2.1E-10	1.2E-13	2.0E-09	9.2E-10	2.1E-09	1.2E-13	2.0E-09	1.3E-10	2.0E-10
2-Methyl naphthalene	6.5E-13	1.1E-08	5.2E-09	1.2E-08	6.5E-13	1.1E-08	7.0E-10	1.1E-09	6.4E-13	1.1E-08	5.0E-09	1.2E-08	6.4E-13	1.1E-08	6.9E-10	1.1E-09
Acenaphthene	6.4E-13	4.6E-09	5.0E-09	1.2E-08	6.4E-13	4.6E-09	6.9E-10	1.1E-09	6.3E-13	4.6E-09	5.0E-09	1.1E-08	6.3E-13	4.6E-09	6.8E-10	1.1E-09
Acenaphthylene	6.3E-13	NV	5.0E-09	1.1E-08	6.3E-13	NV	6.8E-10	1.1E-09	6.3E-13	NV	5.0E-09	1.1E-08	6.3E-13	NV	6.8E-10	1.1E-09
Anthracene	7.0E-13	1.3E-09	5.5E-09	1.3E-08	7.0E-13	1.3E-09	7.5E-10	1.2E-09	6.6E-13	1.3E-09	5.2E-09	1.2E-08	6.6E-13	1.3E-09	7.1E-10	1.1E-09
Benzo (ghi) perylene	1.4E-12	NV	1.1E-08	2.5E-08	1.4E-12	NV	1.5E-09	2.4E-09	1.2E-12	NV	9.5E-09	2.2E-08	1.2E-12	NV	1.3E-09	2.0E-09
Fluoranthene	4.1E-12	NV	3.3E-08	7.5E-08	4.1E-12	NV	4.4E-09	7.0E-09	3.0E-12	NV	2.4E-08	5.5E-08	3.0E-12	NV	3.2E-09	5.1E-09

Table OCS-B2.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	6.2E-13	2.3E-09	4.9E-09	1.1E-08	6.2E-13	2.3E-09	6.7E-10	1.1E-09	6.4E-13	2.3E-09	5.1E-09	1.2E-08	6.4E-13	2.3E-09	6.9E-10	1.1E-09
Naphthalene	1.4E-13	3.1E-09	1.1E-09	2.5E-09	1.4E-13	3.1E-09	1.5E-10	2.3E-10	1.4E-13	3.1E-09	1.1E-09	2.6E-09	1.4E-13	3.1E-09	1.5E-10	2.4E-10
Phenanthrene	1.7E-12	NV	1.3E-08	3.0E-08	1.7E-12	NV	1.8E-09	2.8E-09	1.4E-12	NV	1.1E-08	2.5E-08	1.4E-12	NV	1.5E-09	2.3E-09
Pyrene	3.6E-12	7.5E-10	2.9E-08	6.6E-08	3.6E-12	7.5E-10	3.9E-09	6.2E-09	2.6E-12	7.5E-10	2.1E-08	4.8E-08	2.6E-12	7.5E-10	2.8E-09	4.5E-09
Pesticides																
4,4-DDE	2.0E-13	2.4E-11	5.2E-10	3.6E-09	2.0E-13	2.4E-11	7.1E-11	3.3E-10	3.8E-14	2.4E-11	1.0E-10	6.9E-10	3.8E-14	2.4E-11	1.4E-11	6.5E-11
4,4-DDT	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10
alpha-Chlordane	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10
Dieldrin	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10
gamma-Chlordane	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10
Polychlorinated Biphenyls																
Total PCBs	4.0E-12	6.6E-09	3.2E-08	7.3E-08	4.0E-12	6.6E-09	4.3E-09	6.8E-09	3.6E-12	6.6E-09	2.8E-08	6.5E-08	3.6E-12	6.6E-09	3.9E-09	6.1E-09
Total Petroleum Hydrocarbons																
TPH as diesel	1.7E-09	3.1E-04	9.1E-06	3.1E-05	1.7E-09	3.1E-04	1.2E-06	2.9E-06	1.1E-09	3.1E-04	5.7E-06	2.0E-05	1.1E-09	3.1E-04	7.8E-07	1.8E-06
TPH as motor oil	3.8E-09	NV	2.0E-05	6.8E-05	3.8E-09	NV	2.7E-06	6.4E-06	2.5E-09	NV	1.3E-05	4.6E-05	2.5E-09	NV	1.8E-06	4.3E-06
Dioxins/Furans																
TEQ Human	6.8E-15	1.4E-12	1.1E-11	1.2E-10	6.8E-15	1.4E-12	1.5E-12	1.2E-11	4.8E-15	1.4E-12	7.5E-12	8.7E-11	4.8E-15	1.4E-12	1.0E-12	8.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.2e
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs:
Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	3.8E-09	NV	3.6E-08	4.8E-08	3.8E-09	NV	3.1E-08	2.0E-08	4.4E-09	NV	4.2E-08	5.6E-08	4.4E-09	NV	3.6E-08	2.3E-08
Chromium, Hexavalent	6.0E-08	NV	NA	7.6E-07	6.0E-08	NV	NA	3.1E-07	4.0E-08	NV	NA	5.1E-07	4.0E-08	NV	NA	2.1E-07
Chromium, total	1.8E-07	NV	1.8E-06	2.3E-06	1.8E-07	NV	1.5E-06	9.6E-07	2.4E-07	NV	2.3E-06	3.0E-06	2.4E-07	NV	1.9E-06	1.2E-06
Copper	9.8E-08	NV	9.4E-07	1.2E-06	9.8E-08	NV	8.0E-07	5.2E-07	1.0E-07	NV	9.6E-07	1.3E-06	1.0E-07	NV	8.2E-07	5.3E-07
Cyanide	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.0E-09	NV	9.8E-09	1.3E-08	1.0E-09	NV	8.4E-09	5.4E-09	1.6E-09	NV	1.5E-08	2.1E-08	1.6E-09	NV	1.3E-08	8.5E-09
Nitrate	1.7E-07	NV	1.7E-06	2.2E-06	1.7E-07	NV	1.4E-06	9.2E-07	1.7E-07	NV	1.7E-06	2.2E-06	1.7E-07	NV	1.4E-06	9.2E-07
Orthophosphate	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS	NS	NV	NS	NS
Phosphate	1.2E-06	NV	1.1E-05	1.5E-05	1.2E-06	NV	9.5E-06	6.1E-06	1.2E-06	NV	1.1E-05	1.5E-05	1.2E-06	NV	9.5E-06	6.1E-06
Thallium	7.8E-09	NV	7.4E-08	9.9E-08	7.8E-09	NV	6.3E-08	4.1E-08	4.0E-09	NV	3.9E-08	5.1E-08	4.0E-09	NV	3.3E-08	2.1E-08
Zinc	2.0E-07	NV	1.9E-06	2.6E-06	2.0E-07	NV	1.7E-06	1.1E-06	2.2E-07	NV	2.1E-06	2.8E-06	2.2E-07	NV	1.8E-06	1.2E-06
Volatile Organic Compounds																
Bromomethane	ND	2.8E-08	ND	ND	ND	2.8E-08	ND	ND	8.4E-11	2.8E-08	8.0E-09	1.1E-09	8.4E-11	2.8E-08	6.9E-09	4.4E-10
Chloro methane	ND	1.5E-08	ND	ND	ND	1.5E-08	ND	ND	3.6E-11	1.5E-08	3.4E-09	4.5E-10	3.6E-11	1.5E-08	2.9E-09	1.9E-10
Chloroform	ND	6.3E-09	ND	ND	ND	6.3E-09	ND	ND	3.6E-11	6.3E-09	3.4E-09	4.5E-10	3.6E-11	6.3E-09	2.9E-09	1.9E-10
Isophorone	9.1E-09	NV	8.6E-07	1.2E-07	9.1E-09	NV	7.4E-07	4.7E-08	9.3E-08	NV	8.8E-06	1.2E-06	9.3E-08	NV	7.6E-06	4.8E-07
Methyl acetate	ND	4.6E-09	ND	ND	ND	4.6E-09	ND	ND	5.5E-11	4.6E-09	5.2E-09	7.0E-10	5.5E-11	4.6E-09	4.5E-09	2.9E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-09	NV	1.3E-07	1.8E-08	1.4E-09	NV	1.1E-07	7.3E-09	1.1E-09	NV	1.1E-07	1.4E-08	1.1E-09	NV	9.1E-08	5.8E-09
bis (2-ethylhexyl) phthalate	6.5E-09	NV	6.2E-07	8.2E-08	6.5E-09	NV	5.3E-07	3.4E-08	1.9E-09	NV	1.8E-07	2.4E-08	1.9E-09	NV	1.5E-07	9.9E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.2E-11	1.3E-10	1.8E-09	1.6E-10	1.2E-11	1.3E-10	1.5E-09	6.4E-11	1.2E-11	1.3E-10	1.7E-09	1.5E-10	1.2E-11	1.3E-10	1.4E-09	6.1E-11
2-Methyl naphthalene	6.6E-11	7.1E-10	9.4E-09	8.3E-10	6.6E-11	7.1E-10	8.1E-09	3.4E-10	6.4E-11	7.1E-10	9.2E-09	8.1E-10	6.4E-11	7.1E-10	7.9E-09	3.4E-10
Acenaphthene	6.4E-11	2.9E-10	9.2E-09	8.1E-10	6.4E-11	2.9E-10	7.9E-09	3.4E-10	6.3E-11	2.9E-10	9.1E-09	8.1E-10	6.3E-11	2.9E-10	7.8E-09	3.3E-10
Acenaphthylene	6.3E-11	NV	9.0E-09	8.0E-10	6.3E-11	NV	7.7E-09	3.3E-10	6.3E-11	NV	9.1E-09	8.1E-10	6.3E-11	NV	7.8E-09	3.3E-10
Anthracene	7.0E-11	8.4E-11	1.0E-08	8.9E-10	7.0E-11	8.4E-11	8.6E-09	3.7E-10	6.7E-11	8.4E-11	9.5E-09	8.5E-10	6.7E-11	8.4E-11	8.2E-09	3.5E-10
Benzo (ghi) perylene	1.4E-10	NV	2.0E-08	1.8E-09	1.4E-10	NV	1.7E-08	7.3E-10	1.2E-10	NV	1.7E-08	1.5E-09	1.2E-10	NV	1.5E-08	6.3E-10
Fluoranthene	4.1E-10	NV	5.9E-08	5.3E-09	4.1E-10	NV	5.1E-08	2.2E-09	3.0E-10	NV	4.3E-08	3.8E-09	3.0E-10	NV	3.7E-08	1.6E-09

Table OCS-B2.2e
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Soil Using Area-Weighted EPCs:
Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	6.2E-11	1.4E-10	8.9E-09	7.9E-10	6.2E-11	1.4E-10	7.7E-09	3.3E-10	6.4E-11	1.4E-10	9.2E-09	8.2E-10	6.4E-11	1.4E-10	7.9E-09	3.4E-10
Naphthalene	1.4E-11	1.9E-10	1.9E-09	1.7E-10	1.4E-11	1.9E-10	1.7E-09	7.1E-11	1.4E-11	1.9E-10	2.0E-09	1.8E-10	1.4E-11	1.9E-10	1.7E-09	7.4E-11
Phenanthrene	1.7E-10	NV	2.4E-08	2.1E-09	1.7E-10	NV	2.1E-08	8.8E-10	1.4E-10	NV	1.9E-08	1.7E-09	1.4E-10	NV	1.7E-08	7.1E-10
Pyrene	3.7E-10	4.7E-11	5.2E-08	4.6E-09	3.7E-10	4.7E-11	4.5E-08	1.9E-09	2.6E-10	4.7E-11	3.8E-08	3.3E-09	2.6E-10	4.7E-11	3.2E-08	1.4E-09
Pesticides																
4,4-DDE	2.0E-11	1.5E-12	9.4E-10	2.5E-10	2.0E-11	1.5E-12	8.1E-10	1.0E-10	3.8E-12	1.5E-12	1.8E-10	4.8E-11	3.8E-12	1.5E-12	1.6E-10	2.0E-11
4,4-DDT	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11
alpha-Chlordane	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10
Dieldrin	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10
gamma-Chlordane	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10
Polychlorinated Biphenyls																
Total PCBs	4.0E-10	4.1E-10	5.8E-08	5.1E-09	4.0E-10	4.1E-10	5.0E-08	2.1E-09	3.6E-10	4.1E-10	5.2E-08	4.6E-09	3.6E-10	4.1E-10	4.4E-08	1.9E-09
Total Petroleum Hydrocarbons																
TPH as diesel	1.7E-07	1.9E-05	1.7E-05	2.2E-06	1.7E-07	1.9E-05	1.4E-05	9.1E-07	1.1E-07	1.9E-05	1.0E-05	1.4E-06	1.1E-07	1.9E-05	8.9E-06	5.7E-07
TPH as motor oil	3.8E-07	NV	3.6E-05	4.8E-06	3.8E-07	NV	3.1E-05	2.0E-06	2.5E-07	NV	2.4E-05	3.2E-06	2.5E-07	NV	2.1E-05	1.3E-06
Dioxins/Furans																
TEQ Human	6.8E-13	8.9E-14	1.9E-11	8.6E-12	6.8E-13	8.9E-14	1.7E-11	3.6E-12	4.8E-13	8.9E-14	1.4E-11	6.1E-12	4.8E-13	8.9E-14	1.2E-11	2.5E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.3a
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.4E-06	NV	NA	6.0E-08	1.5E-06	9.7E-07	NV	NA	4.0E-08	1.0E-06	5.3E-07	NV	NA	2.2E-08	5.5E-07	3.7E-07	NV	NA	1.5E-08	3.8E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.4E-10	ND	ND	1.4E-10	1.3E-13	1.4E-10	3.2E-12	2.2E-12	1.5E-10	1.2E-13	1.4E-10	2.9E-12	2.0E-12	1.4E-10	9.0E-14	1.4E-10	2.2E-12	1.5E-12	1.4E-10
Isophorone	NC	NC	2.5E-11	1.7E-11	4.2E-11	NC	NC	2.6E-10	1.8E-10	4.3E-10	NC	NC	2.5E-10	1.7E-10	4.3E-10	NC	NC	1.5E-10	1.0E-10	2.6E-10
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	2.5E-12	NV	2.6E-10	1.8E-10	4.5E-10	7.3E-13	NV	7.7E-11	5.3E-11	1.3E-10	7.8E-13	NV	8.2E-11	5.6E-11	1.4E-10	6.5E-13	NV	6.8E-11	4.7E-11	1.2E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	2.3E-10	1.6E-10	3.9E-10
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.4E-14	9.0E-13	1.6E-12	7.1E-13	3.2E-12	1.4E-14	9.0E-13	1.5E-12	6.8E-13	3.1E-12	1.3E-14	9.0E-13	1.4E-12	6.5E-13	3.0E-12	1.3E-14	9.0E-13	1.4E-12	6.3E-13	2.9E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B2.3a
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	7.5E-14	6.3E-12	7.2E-12	3.3E-12	1.7E-11	7.8E-14	6.3E-12	7.5E-12	3.4E-12	1.7E-11	7.4E-14	6.3E-12	7.1E-12	3.2E-12	1.7E-11	7.3E-14	6.3E-12	7.0E-12	3.2E-12	1.7E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	3.1E-13	1.4E-13	9.8E-12	1.3E-11	2.4E-11	6.0E-14	1.4E-13	1.9E-12	2.6E-12	4.7E-12	5.9E-14	1.4E-13	1.9E-12	2.5E-12	4.6E-12	5.9E-14	1.4E-13	1.9E-12	2.5E-12	4.6E-12
4,4-DDT	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11
alpha-Chlordane	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10
Dieldrin	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09
gamma-Chlordane	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10
Polychlorinated Biphenyls																				
Total PCBs	3.7E-11	2.3E-10	3.5E-09	1.6E-09	5.4E-09	3.3E-11	2.3E-10	3.2E-09	1.4E-09	4.9E-09	3.1E-11	2.3E-10	2.9E-09	1.3E-09	4.6E-09	3.0E-11	2.3E-10	2.8E-09	1.3E-09	4.4E-09
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	4.2E-09	3.3E-09	7.7E-08	1.8E-07	2.6E-07	2.9E-09	3.3E-09	5.5E-08	1.2E-07	1.8E-07	2.0E-09	3.3E-09	3.6E-08	8.3E-08	1.2E-07	1.6E-09	3.3E-09	2.9E-08	6.6E-08	1.0E-07
Cumulative ILCR	**1E-06**	**4E-09**	**8E-08**	**2E-07**	**2E-06**	**1E-06**	**4E-09**	**6E-08**	**2E-07**	**1E-06**	**5E-07**	**4E-09**	**4E-08**	**1E-07**	**7E-07**	**4E-07**	**4E-09**	**3E-08**	**8E-08**	**5E-07**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.3b
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.1E-05	NV	NA	4.5E-07	1.1E-05	7.3E-06	NV	NA	3.0E-07	7.6E-06	4.0E-06	NV	NA	1.6E-07	4.1E-06	2.8E-06	NV	NA	1.1E-07	2.9E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.9E-10	ND	ND	1.9E-10	9.9E-13	1.9E-10	4.8E-11	1.7E-11	2.6E-10	8.9E-13	1.9E-10	4.3E-11	1.5E-11	2.5E-10	6.8E-13	1.9E-10	3.3E-11	1.1E-11	2.4E-10
Isophorone	NC	NC	3.8E-10	1.3E-10	5.1E-10	NC	NC	3.8E-09	1.3E-09	5.2E-09	NC	NC	3.8E-09	1.3E-09	5.1E-09	NC	NC	2.3E-09	7.9E-10	3.1E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	1.9E-11	NV	4.0E-09	1.4E-09	5.3E-09	5.5E-12	NV	1.2E-09	4.0E-10	1.6E-09	5.8E-12	NV	1.2E-09	4.2E-10	1.7E-09	4.9E-12	NV	1.0E-09	3.5E-10	1.4E-09
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	3.5E-09	1.2E-09	4.7E-09
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.1E-13	1.2E-12	2.3E-11	5.3E-12	3.0E-11	1.0E-13	1.2E-12	2.2E-11	5.1E-12	2.9E-11	9.8E-14	1.2E-12	2.1E-11	4.8E-12	2.7E-11	9.6E-14	1.2E-12	2.1E-11	4.7E-12	2.7E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B2.3b
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	5.6E-13	8.7E-12	1.1E-10	2.4E-11	1.4E-10	5.8E-13	8.7E-12	1.1E-10	2.6E-11	1.5E-10	5.6E-13	8.7E-12	1.1E-10	2.4E-11	1.4E-10	5.5E-13	8.7E-12	1.1E-10	2.4E-11	1.4E-10
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	2.3E-12	2.0E-13	1.5E-10	1.0E-10	2.5E-10	4.5E-13	2.0E-13	2.8E-11	1.9E-11	4.8E-11	4.4E-13	2.0E-13	2.8E-11	1.9E-11	4.8E-11	4.4E-13	2.0E-13	2.8E-11	1.9E-11	4.8E-11
4,4-DDT	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10
alpha-Chlordane	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09
Dieldrin	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08
gamma-Chlordane	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09
Polychlorinated Biphenyls																				
Total PCBs	2.8E-10	3.1E-10	5.3E-08	1.2E-08	6.6E-08	2.5E-10	3.1E-10	4.8E-08	1.1E-08	5.9E-08	2.3E-10	3.1E-10	4.4E-08	1.0E-08	5.5E-08	2.2E-10	3.1E-10	4.2E-08	9.6E-09	5.2E-08
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	3.1E-08	4.5E-09	1.2E-06	1.3E-06	2.5E-06	2.2E-08	4.5E-09	8.2E-07	9.3E-07	1.8E-06	1.5E-08	4.5E-09	5.5E-07	6.2E-07	1.2E-06	1.2E-08	4.5E-09	4.4E-07	5.0E-07	9.5E-07
Cumulative ILCR	**1E-05**	**5E-09**	**1E-06**	**2E-06**	**1E-05**	**7E-06**	**5E-09**	**9E-07**	**1E-06**	**9E-06**	**4E-06**	**5E-09**	**6E-07**	**8E-07**	**5E-06**	**3E-06**	**5E-09**	**5E-07**	**6E-07**	**4E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.3c
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	4.6E-08	NV	NA	1.4E-06	1.4E-06	3.1E-08	NV	NA	9.3E-07	9.6E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	4.3E-10	ND	ND	4.3E-10	1.5E-15	4.3E-10	3.6E-12	1.1E-11	4.4E-10
Isophorone	NC	NC	2.8E-11	8.7E-11	1.2E-10	NC	NC	2.9E-10	8.9E-10	1.2E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	2.9E-14	NV	3.0E-10	9.2E-10	1.2E-09	8.4E-15	NV	8.6E-11	2.7E-10	3.6E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCS-B2.3c
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	1.6E-16	2.8E-12	1.7E-12	3.6E-12	8.1E-12	1.6E-16	2.8E-12	1.7E-12	3.5E-12	7.9E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	8.6E-16	1.9E-11	8.0E-12	1.7E-11	4.4E-11	8.9E-16	1.9E-11	8.4E-12	1.7E-11	4.5E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	3.5E-15	4.4E-13	1.1E-11	6.8E-11	8.0E-11	6.9E-16	4.4E-13	2.1E-12	1.3E-11	1.6E-11
4,4-DDT	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11
alpha-Chlordane	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10
Dieldrin	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09
gamma-Chlordane	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10
Polychlorinated Biphenyls										
Total PCBs	4.3E-13	7.0E-10	4.0E-09	8.2E-09	1.3E-08	3.8E-13	7.0E-10	3.6E-09	7.4E-09	1.2E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B2.3c
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	4.8E-11	1.0E-08	8.7E-08	9.0E-07	9.9E-07	3.4E-11	1.0E-08	6.1E-08	6.3E-07	7.0E-07
Cumulative ILCR	**5E-08**	**1E-08**	**9E-08**	**2E-06**	**2E-06**	**3E-08**	**1E-08**	**7E-08**	**2E-06**	**2E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.3d
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	9.2E-08	NV	NA	2.8E-06	2.9E-06	6.2E-08	NV	NA	1.9E-06	1.9E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	8.5E-10	ND	ND	8.5E-10	3.0E-15	8.5E-10	7.2E-12	2.2E-11	8.8E-10
Isophorone	NC	NC	5.6E-11	1.7E-10	2.3E-10	NC	NC	5.7E-10	1.8E-09	2.4E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	5.7E-14	NV	5.9E-10	1.8E-09	2.4E-09	1.7E-14	NV	1.7E-10	5.4E-10	7.1E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCS-B2.3d
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	3.3E-16	5.5E-12	3.5E-12	7.2E-12	1.6E-11	3.1E-16	5.5E-12	3.3E-12	6.9E-12	1.6E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.7E-15	3.9E-11	1.6E-11	3.3E-11	8.8E-11	1.8E-15	3.9E-11	1.7E-11	3.5E-11	9.0E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-15	8.8E-13	2.2E-11	1.4E-10	1.6E-10	1.4E-15	8.8E-13	4.2E-12	2.6E-11	3.2E-11
4,4-DDT	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11
alpha-Chlordane	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09
Dieldrin	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09
gamma-Chlordane	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09
Polychlorinated Biphenyls										
Total PCBs	8.5E-13	1.4E-09	7.9E-09	1.6E-08	2.6E-08	7.6E-13	1.4E-09	7.1E-09	1.5E-08	2.3E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B2.3d
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	9.6E-11	2.0E-08	1.7E-07	1.8E-06	2.0E-06	6.7E-11	2.0E-08	1.2E-07	1.3E-06	1.4E-06
Cumulative ILCR	**9E-08**	**2E-08**	**2E-07**	**5E-06**	**5E-06**	**6E-08**	**2E-08**	**1E-07**	**3E-06**	**3E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.3e
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	5.9E-06	NV	NA	1.6E-07	6.1E-06	4.0E-06	NV	NA	1.1E-07	4.1E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Orthophosphate	NS	NC	NS	NS	--	NS	NC	NS	NS	--
Phosphate	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	5.3E-11	ND	ND	5.3E-11	3.0E-13	5.3E-11	3.5E-11	2.9E-12	9.1E-11
Isophorone	NC	NC	2.7E-10	2.2E-11	2.9E-10	NC	NC	2.8E-09	2.3E-10	3.0E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	5.8E-12	NV	2.9E-09	2.3E-10	3.1E-09	1.7E-12	NV	8.3E-10	6.8E-11	9.0E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCS-B2.3e
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	3.3E-14	3.4E-13	1.7E-11	9.2E-13	1.8E-11	3.2E-14	3.4E-13	1.6E-11	8.8E-13	1.7E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.7E-13	2.4E-12	7.7E-11	4.2E-12	8.4E-11	1.8E-13	2.4E-12	8.1E-11	4.4E-12	8.8E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-13	5.5E-14	1.1E-10	1.7E-11	1.2E-10	1.4E-13	5.5E-14	2.0E-11	3.4E-12	2.4E-11
4,4-DDT	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11
alpha-Chlordane	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10
Dieldrin	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09
gamma-Chlordane	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09
Polychlorinated Biphenyls										
Total PCBs	8.6E-11	8.8E-11	3.8E-08	2.1E-09	4.1E-08	7.7E-11	8.8E-11	3.4E-08	1.9E-09	3.6E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCS-B2.3e
Baseline Scenario ILCRs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	9.6E-09	1.3E-09	8.4E-07	2.3E-07	1.1E-06	6.8E-09	1.3E-09	5.9E-07	1.6E-07	7.6E-07
Cumulative ILCR	**6E-06**	**1E-09**	**9E-07**	**4E-07**	**7E-06**	**4E-06**	**1E-09**	**6E-07**	**3E-07**	**5E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.4a
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.7E-04	NV	1.9E-03	1.3E-02	1.5E-02	3.1E-04	NV	2.3E-03	1.5E-02	1.8E-02	2.8E-04	NV	2.0E-03	1.4E-02	1.6E-02	2.6E-04	NV	1.9E-03	1.3E-02	1.5E-02
Chromium, Hexavalent	6.8E-03	NV	NA	2.8E-03	9.5E-03	4.5E-03	NV	NA	1.9E-03	6.4E-03	2.5E-03	NV	NA	1.0E-03	3.5E-03	1.7E-03	NV	NA	7.1E-04	2.4E-03
Chromium, total	3.5E-07	NV	2.5E-06	1.7E-05	2.0E-05	4.5E-07	NV	3.2E-06	2.2E-05	2.6E-05	4.6E-07	NV	3.3E-06	2.3E-05	2.7E-05	4.6E-07	NV	3.3E-06	2.3E-05	2.7E-05
Copper	6.9E-06	NV	5.0E-05	3.4E-04	4.0E-04	7.1E-06	NV	5.1E-05	3.5E-04	4.1E-04	5.5E-06	NV	4.0E-05	2.7E-04	3.2E-04	4.7E-06	NV	3.4E-05	2.4E-04	2.7E-04
Cyanide	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	3.9E-04	NV	1.3E-04	9.0E-04	1.4E-03	6.1E-04	NV	2.1E-04	1.4E-03	2.2E-03	9.9E-04	NV	3.3E-04	2.3E-03	3.6E-03	6.9E-04	NV	2.3E-04	1.6E-03	2.5E-03
Nitrate	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05	3.1E-07	NV	2.2E-06	1.5E-05	1.8E-05
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	5.5E-08	NV	4.0E-07	2.7E-06	3.2E-06
Phosphate	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06	6.7E-08	NV	4.8E-07	3.3E-06	3.9E-06
Thallium	2.2E-03	NV	1.6E-02	1.1E-01	1.3E-01	1.1E-03	NV	8.3E-03	5.7E-02	6.6E-02	1.1E-03	NV	8.3E-03	5.7E-02	6.6E-02	1.1E-03	NV	8.3E-03	5.7E-02	6.6E-02
Zinc	1.9E-06	NV	1.4E-05	9.4E-05	1.1E-04	2.1E-06	NV	1.5E-05	1.0E-04	1.2E-04	1.9E-06	NV	1.4E-05	9.3E-05	1.1E-04	1.8E-06	NV	1.3E-05	8.9E-05	1.0E-04
Volatile Organic Compounds																				
Bromomethane	ND	1.0E-05	ND	ND	1.0E-05	5.0E-09	1.0E-05	5.7E-06	3.9E-06	2.0E-05	4.5E-09	1.0E-05	5.2E-06	3.5E-06	1.9E-05	3.4E-09	1.0E-05	3.9E-06	2.7E-06	1.7E-05
Chloro methane	ND	2.5E-06	ND	ND	2.5E-06	9.8E-10	2.5E-06	7.1E-08	4.9E-08	2.6E-06	9.0E-10	2.5E-06	6.5E-08	4.5E-08	2.6E-06	7.1E-10	2.5E-06	5.1E-08	3.5E-08	2.6E-06
Chloroform	ND	1.8E-06	ND	ND	1.8E-06	1.7E-09	1.8E-06	7.3E-08	5.0E-08	1.9E-06	1.5E-09	1.8E-06	6.5E-08	4.5E-08	1.9E-06	1.1E-09	1.8E-06	5.0E-08	3.4E-08	1.9E-06
Isophorone	5.1E-08	NV	6.2E-07	4.2E-07	1.1E-06	5.2E-07	NV	6.3E-06	4.3E-06	1.1E-05	5.2E-07	NV	6.2E-06	4.3E-06	1.1E-05	3.1E-07	NV	3.8E-06	2.6E-06	6.7E-06
Methyl acetate	ND	3.1E-06	ND	ND	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.6E-08	NV	2.8E-06	1.9E-06	4.8E-06	2.1E-08	NV	2.3E-06	1.6E-06	3.9E-06	1.9E-08	NV	2.1E-06	1.4E-06	3.5E-06	1.5E-08	NV	1.7E-06	1.1E-06	2.8E-06
bis (2-ethylhexyl) phthalate	9.1E-07	NV	1.3E-05	9.0E-06	2.3E-05	2.7E-07	NV	3.9E-06	2.6E-06	6.8E-06	2.8E-07	NV	4.1E-06	2.8E-06	7.2E-06	2.4E-07	NV	3.4E-06	2.3E-06	6.0E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.9E-08	NV	4.3E-06	2.9E-06	7.2E-06
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	4.9E-10	3.1E-08	5.4E-08	2.4E-08	1.1E-07	4.7E-10	3.1E-08	5.1E-08	2.3E-08	1.1E-07	4.5E-10	3.1E-08	4.9E-08	2.2E-08	1.0E-07	4.4E-10	3.1E-08	4.8E-08	2.2E-08	1.0E-07
2-Methyl naphthalene	4.6E-08	3.0E-06	5.0E-06	2.3E-06	1.0E-05	4.5E-08	3.0E-06	4.9E-06	2.2E-06	1.0E-05	4.5E-08	3.0E-06	4.9E-06	2.2E-06	1.0E-05	4.4E-08	3.0E-06	4.8E-06	2.2E-06	1.0E-05
Acenaphthene	3.0E-10	8.1E-09	3.3E-08	1.5E-08	5.6E-08	3.0E-10	8.1E-09	3.2E-08	1.5E-08	5.6E-08	2.9E-10	8.1E-09	3.1E-08	1.4E-08	5.4E-08	2.9E-10	8.1E-09	3.1E-08	1.4E-08	5.4E-08
Acenaphthylene	3.0E-10	NV	3.2E-08	1.5E-08	4.7E-08	3.0E-10	NV	3.2E-08	1.5E-08	4.7E-08	2.9E-10	NV	3.1E-08	1.4E-08	4.6E-08	2.9E-10	NV	3.1E-08	1.4E-08	4.6E-08
Anthracene	2.0E-11	1.4E-10	2.1E-09	9.8E-10	3.3E-09	1.9E-11	1.4E-10	2.0E-09	9.3E-10	3.1E-09	1.8E-11	1.4E-10	2.0E-09	9.0E-10	3.0E-09	1.8E-11	1.4E-10	2.0E-09	8.9E-10	3.0E-09
Benzo (ghi) perylene	1.3E-08	NV	1.4E-06	6.5E-07	2.1E-06	1.1E-08	NV	1.2E-06	5.6E-07	1.8E-06	9.6E-09	NV	1.0E-06	4.8E-07	1.5E-06	9.0E-09	NV	9.8E-07	4.4E-07	1.4E-06
Fluoranthene	2.9E-09	NV	3.2E-07	1.4E-07	4.6E-07	2.1E-09	NV	2.3E-07	1.1E-07	3.4E-07	1.6E-09	NV	1.7E-07	7.9E-08	2.5E-07	1.3E-09	NV	1.5E-07	6.6E-08	2.1E-07

Table OCS-B2.4a
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	4.4E-10	6.1E-09	4.8E-08	2.2E-08	7.6E-08	4.5E-10	6.1E-09	4.9E-08	2.2E-08	7.8E-08	4.3E-10	6.1E-09	4.7E-08	2.1E-08	7.5E-08	4.4E-10	6.1E-09	4.7E-08	2.2E-08	7.6E-08
Naphthalene	5.1E-08	4.3E-06	7.0E-09	3.2E-09	4.4E-06	5.3E-08	4.3E-06	7.3E-09	3.3E-09	4.4E-06	5.1E-08	4.3E-06	6.9E-09	3.2E-09	4.4E-06	5.0E-08	4.3E-06	6.8E-09	3.1E-09	4.4E-06
Phenanthrene	4.7E-11	NV	5.2E-09	2.4E-09	7.6E-09	3.8E-11	NV	4.2E-09	1.9E-09	6.1E-09	3.1E-11	NV	3.3E-09	1.5E-09	4.9E-09	2.9E-11	NV	3.2E-09	1.4E-09	4.6E-09
Pyrene	3.4E-09	2.7E-09	3.7E-07	1.7E-07	5.5E-07	2.5E-09	2.7E-09	2.7E-07	1.2E-07	4.0E-07	1.9E-09	2.7E-09	2.1E-07	9.4E-08	3.1E-07	1.6E-09	2.7E-09	1.8E-07	8.0E-08	2.6E-07
Pesticides																				
4,4-DDE	1.1E-07	5.2E-08	4.0E-06	5.5E-06	9.7E-06	2.2E-08	5.2E-08	7.8E-07	1.1E-06	1.9E-06	2.1E-08	5.2E-08	7.7E-07	1.0E-06	1.9E-06	2.1E-08	5.2E-08	7.7E-07	1.0E-06	1.9E-06
4,4-DDT	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06
alpha-Chlordane	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05
Dieldrin	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05
gamma-Chlordane	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05
Polychlorinated Biphenyls																				
Total PCBs	5.7E-05	3.5E-04	6.2E-03	2.8E-03	9.4E-03	5.1E-05	3.5E-04	5.6E-03	2.5E-03	8.5E-03	4.7E-05	3.5E-04	5.2E-03	2.4E-03	7.9E-03	4.5E-05	3.5E-04	4.9E-03	2.2E-03	7.6E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	1.5E-05	1.0E-02	1.8E-03	1.2E-03	1.3E-02	9.4E-06	1.0E-02	1.1E-03	7.6E-04	1.2E-02	6.1E-06	1.0E-02	7.2E-04	4.9E-04	1.1E-02	4.9E-06	1.0E-02	5.7E-04	3.9E-04	1.1E-02
TPH as motor oil	6.3E-06	NV	4.5E-04	3.1E-04	7.7E-04	4.2E-06	NV	3.0E-04	2.1E-04	5.1E-04	4.0E-06	NV	2.9E-04	2.0E-04	5.0E-04	3.8E-06	NV	2.8E-04	1.9E-04	4.7E-04
Dioxins/Furans																				
TEQ Human	1.9E-04	1.5E-04	2.1E-03	4.7E-03	7.2E-03	1.4E-04	1.5E-04	1.5E-03	3.3E-03	5.1E-03	9.0E-05	1.5E-04	9.8E-04	2.2E-03	3.5E-03	7.2E-05	1.5E-04	7.8E-04	1.8E-03	2.8E-03
Total Hazard Index	**1E-02**	**1E-02**	**3E-02**	**1E-01**	**2E-01**	**7E-03**	**1E-02**	**2E-02**	**8E-02**	**1E-01**	**5E-03**	**1E-02**	**2E-02**	**8E-02**	**1E-01**	**4E-03**	**1E-02**	**2E-02**	**8E-02**	**1E-01**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.4b
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	6.7E-06	NV	9.7E-05	3.3E-04	4.3E-04	7.8E-06	NV	1.1E-04	3.9E-04	5.1E-04	7.0E-06	NV	1.0E-04	3.5E-04	4.6E-04	6.6E-06	NV	9.6E-05	3.3E-04	4.3E-04
Chromium, Hexavalent	1.7E-03	NV	NA	7.0E-04	2.4E-03	1.1E-03	NV	NA	4.7E-04	1.6E-03	6.1E-04	NV	NA	2.5E-04	8.7E-04	4.3E-04	NV	NA	1.8E-04	6.1E-04
Chromium, total	8.7E-08	NV	1.3E-06	4.3E-06	5.6E-06	1.1E-07	NV	1.6E-06	5.5E-06	7.3E-06	1.2E-07	NV	1.7E-06	5.7E-06	7.5E-06	1.2E-07	NV	1.7E-06	5.7E-06	7.5E-06
Copper	1.7E-06	NV	2.5E-05	8.6E-05	1.1E-04	1.8E-06	NV	2.6E-05	8.8E-05	1.1E-04	1.4E-06	NV	2.0E-05	6.8E-05	9.0E-05	1.2E-06	NV	1.7E-05	5.9E-05	7.7E-05
Cyanide	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	9.7E-05	NV	6.6E-05	2.2E-04	3.9E-04	1.5E-04	NV	1.0E-04	3.5E-04	6.1E-04	2.5E-04	NV	1.7E-04	5.7E-04	9.8E-04	1.7E-04	NV	1.2E-04	4.0E-04	6.9E-04
Nitrate	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06	7.7E-08	NV	1.1E-06	3.8E-06	5.0E-06
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	1.4E-08	NV	2.0E-07	6.8E-07	9.0E-07
Phosphate	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06	1.7E-08	NV	2.4E-07	8.3E-07	1.1E-06
Thallium	5.5E-04	NV	7.9E-03	2.7E-02	3.6E-02	2.9E-04	NV	4.1E-03	1.4E-02	1.9E-02	2.9E-04	NV	4.1E-03	1.4E-02	1.9E-02	2.9E-04	NV	4.1E-03	1.4E-02	1.9E-02
Zinc	4.8E-07	NV	6.9E-06	2.4E-05	3.1E-05	5.2E-07	NV	7.5E-06	2.6E-05	3.4E-05	4.7E-07	NV	6.8E-06	2.3E-05	3.1E-05	4.5E-07	NV	6.5E-06	2.2E-05	2.9E-05
Volatile Organic Compounds																				
Bromomethane	ND	1.7E-05	ND	ND	1.7E-05	4.7E-08	1.7E-05	6.1E-06	2.1E-06	2.6E-05	4.3E-08	1.7E-05	5.5E-06	1.9E-06	2.5E-05	3.2E-08	1.7E-05	4.2E-06	1.4E-06	2.3E-05
Chloro methane	ND	5.1E-07	ND	ND	5.1E-07	1.1E-09	5.1E-07	1.6E-07	5.5E-08	7.3E-07	1.0E-09	5.1E-07	1.5E-07	5.1E-08	7.1E-07	8.1E-10	5.1E-07	1.2E-07	4.0E-08	6.7E-07
Chloroform	ND	2.0E-07	ND	ND	2.0E-07	1.0E-09	2.0E-07	3.6E-07	1.2E-07	6.9E-07	9.2E-10	2.0E-07	3.3E-07	1.1E-07	6.4E-07	7.0E-10	2.0E-07	2.5E-07	8.5E-08	5.3E-07
Isophorone	1.3E-08	NV	4.6E-06	1.6E-06	6.2E-06	1.3E-07	NV	4.7E-05	1.6E-05	6.4E-05	1.3E-07	NV	4.7E-05	1.6E-05	6.3E-05	7.8E-08	NV	2.8E-05	9.7E-06	3.8E-05
Methyl acetate	ND	3.5E-09	ND	ND	3.5E-09	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08
Semi-Volatile Organic Compounds																				
4-Methylphenol	6.5E-09	NV	1.4E-06	4.9E-07	1.9E-06	5.3E-09	NV	1.1E-06	3.9E-07	1.5E-06	4.8E-09	NV	1.0E-06	3.5E-07	1.4E-06	3.9E-09	NV	8.4E-07	2.9E-07	1.1E-06
bis (2-ethylhexyl) phthalate	2.3E-07	NV	3.3E-05	1.1E-05	4.5E-05	6.7E-08	NV	9.7E-06	3.3E-06	1.3E-05	7.1E-08	NV	1.0E-05	3.5E-06	1.4E-05	5.9E-08	NV	8.5E-06	2.9E-06	1.2E-05
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	1.5E-07	NV	2.1E-05	7.3E-06	2.9E-05
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.2E-10	1.4E-09	2.7E-08	6.1E-09	3.5E-08	1.2E-10	1.4E-09	2.6E-08	5.8E-09	3.3E-08	1.1E-10	1.4E-09	2.4E-08	5.6E-09	3.2E-08	1.1E-10	1.4E-09	2.4E-08	5.4E-09	3.1E-08
2-Methyl naphthalene	1.2E-08	1.4E-07	2.5E-06	5.7E-07	3.2E-06	1.1E-08	1.4E-07	2.5E-06	5.6E-07	3.2E-06	1.1E-08	1.4E-07	2.4E-06	5.5E-07	3.1E-06	1.1E-08	1.4E-07	2.4E-06	5.5E-07	3.1E-06
Acenaphthene	7.5E-10	3.7E-09	1.6E-07	3.7E-08	2.1E-07	7.5E-10	3.7E-09	1.6E-07	3.7E-08	2.0E-07	7.2E-10	3.7E-09	1.6E-07	3.6E-08	2.0E-07	7.2E-10	3.7E-09	1.6E-07	3.6E-08	2.0E-07
Acenaphthylene	7.4E-10	NV	1.6E-07	3.7E-08	2.0E-07	7.5E-10	NV	1.6E-07	3.7E-08	2.0E-07	7.2E-10	NV	1.6E-07	3.6E-08	1.9E-07	7.2E-10	NV	1.6E-07	3.5E-08	1.9E-07
Anthracene	1.6E-10	2.2E-10	3.6E-08	8.1E-09	4.4E-08	1.6E-10	2.2E-10	3.4E-08	7.8E-09	4.2E-08	1.5E-10	2.2E-10	3.3E-08	7.5E-09	4.1E-08	1.5E-10	2.2E-10	3.3E-08	7.4E-09	4.0E-08
Benzo (ghi) perylene	3.3E-09	NV	7.1E-07	1.6E-07	8.8E-07	2.8E-09	NV	6.2E-07	1.4E-07	7.6E-07	2.4E-09	NV	5.2E-07	1.2E-07	6.4E-07	2.2E-09	NV	4.9E-07	1.1E-07	6.0E-07
Fluoranthene	7.3E-09	NV	1.6E-06	3.6E-07	2.0E-06	5.3E-09	NV	1.2E-06	2.6E-07	1.4E-06	4.0E-09	NV	8.7E-07	2.0E-07	1.1E-06	3.4E-09	NV	7.3E-07	1.7E-07	9.0E-07

Table OCS-B2.4b
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	1.1E-09	2.8E-09	2.4E-07	5.5E-08	3.0E-07	1.1E-09	2.8E-09	2.5E-07	5.6E-08	3.1E-07	1.1E-09	2.8E-09	2.3E-07	5.3E-08	2.9E-07	1.1E-09	2.8E-09	2.4E-07	5.4E-08	2.9E-07
Naphthalene	1.3E-08	2.0E-07	1.0E-07	2.4E-08	3.4E-07	1.3E-08	2.0E-07	1.1E-07	2.5E-08	3.5E-07	1.3E-08	2.0E-07	1.0E-07	2.4E-08	3.4E-07	1.3E-08	2.0E-07	1.0E-07	2.3E-08	3.4E-07
Phenanthrene	4.0E-10	NV	8.6E-08	2.0E-08	1.1E-07	3.2E-10	NV	6.9E-08	1.6E-08	8.6E-08	2.6E-10	NV	5.6E-08	1.3E-08	6.8E-08	2.4E-10	NV	5.3E-08	1.2E-08	6.5E-08
Pyrene	8.6E-09	1.2E-09	1.9E-06	4.3E-07	2.3E-06	6.2E-09	1.2E-09	1.3E-06	3.1E-07	1.7E-06	4.8E-09	1.2E-09	1.0E-06	2.4E-07	1.3E-06	4.0E-09	1.2E-09	8.8E-07	2.0E-07	1.1E-06
Pesticides																				
4,4-DDE	2.8E-08	2.4E-09	2.0E-06	1.4E-06	3.4E-06	5.4E-09	2.4E-09	3.9E-07	2.7E-07	6.6E-07	5.3E-09	2.4E-09	3.8E-07	2.6E-07	6.5E-07	5.3E-09	2.4E-09	3.8E-07	2.6E-07	6.5E-07
4,4-DDT	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06
alpha-Chlordane	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06
Dieldrin	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05
gamma-Chlordane	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06
Polychlorinated Biphenyls																				
Total PCBs	1.4E-05	1.6E-05	3.1E-03	7.1E-04	3.8E-03	1.3E-05	1.6E-05	2.8E-03	6.3E-04	3.4E-03	1.2E-05	1.6E-05	2.6E-03	5.9E-04	3.2E-03	1.1E-05	1.6E-05	2.5E-03	5.6E-04	3.0E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	3.8E-06	4.6E-04	8.9E-04	3.0E-04	1.7E-03	2.4E-06	4.6E-04	5.6E-04	1.9E-04	1.2E-03	1.5E-06	4.6E-04	3.6E-04	1.2E-04	9.4E-04	1.2E-06	4.6E-04	2.9E-04	9.8E-05	8.4E-04
TPH as motor oil	1.6E-06	NV	2.3E-04	7.8E-05	3.1E-04	1.0E-06	NV	1.5E-04	5.2E-05	2.0E-04	1.0E-06	NV	1.5E-04	5.0E-05	2.0E-04	9.6E-07	NV	1.4E-04	4.7E-05	1.9E-04
Dioxins/Furans																				
TEQ Human	4.8E-05	6.9E-06	3.0E-02	3.4E-02	6.4E-02	3.4E-05	6.9E-06	2.1E-02	2.4E-02	4.5E-02	2.3E-05	6.9E-06	1.4E-02	1.6E-02	3.0E-02	1.8E-05	6.9E-06	1.1E-02	1.3E-02	2.4E-02
Total Hazard Index	**2E-03**	**5E-04**	**4E-02**	**6E-02**	**1E-01**	**2E-03**	**5E-04**	**3E-02**	**4E-02**	**7E-02**	**1E-03**	**5E-04**	**2E-02**	**3E-02**	**6E-02**	**9E-04**	**5E-04**	**2E-02**	**3E-02**	**5E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.4c
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	1.2E-08	NV	2.5E-05	8.5E-04	8.8E-04	1.2E-08	NV	3.4E-06	8.0E-05	8.4E-05	1.4E-08	NV	2.9E-05	1.0E-03	1.0E-03	1.4E-08	NV	4.0E-06	9.4E-05	9.8E-05
Chromium, Hexavalent	3.0E-06	NV	NA	1.8E-03	1.8E-03	3.0E-06	NV	NA	1.7E-04	1.7E-04	2.0E-06	NV	NA	1.2E-03	1.2E-03	2.0E-06	NV	NA	1.1E-04	1.2E-04
Chromium, total	1.5E-10	NV	3.2E-07	1.1E-05	1.1E-05	1.5E-10	NV	4.4E-08	1.0E-06	1.1E-06	2.0E-10	NV	4.1E-07	1.4E-05	1.5E-05	2.0E-10	NV	5.7E-08	1.3E-06	1.4E-06
Copper	3.1E-09	NV	6.4E-06	2.2E-04	2.3E-04	3.1E-09	NV	8.8E-07	2.1E-05	2.2E-05	3.1E-09	NV	6.6E-06	2.3E-04	2.3E-04	3.1E-09	NV	9.0E-07	2.1E-05	2.2E-05
Cyanide	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.7E-07	NV	1.7E-05	5.8E-04	6.0E-04	1.7E-07	NV	2.3E-06	5.4E-05	5.7E-05	2.7E-07	NV	2.7E-05	9.2E-04	9.4E-04	2.7E-07	NV	3.6E-06	8.6E-05	9.0E-05
Nitrate	1.4E-10	NV	2.9E-07	9.9E-06	1.0E-05	1.4E-10	NV	3.9E-08	9.2E-07	9.6E-07	1.4E-10	NV	2.9E-07	9.9E-06	1.0E-05	1.4E-10	NV	3.9E-08	9.2E-07	9.6E-07
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	2.9E-11	NV	6.2E-08	2.1E-06	2.2E-06	2.9E-11	NV	8.5E-09	2.0E-07	2.1E-07	2.9E-11	NV	6.2E-08	2.1E-06	2.2E-06	2.9E-11	NV	8.5E-09	2.0E-07	2.1E-07
Thallium	9.7E-07	NV	2.0E-03	7.0E-02	7.2E-02	9.7E-07	NV	2.8E-04	6.6E-03	6.9E-03	5.0E-07	NV	1.1E-03	3.7E-02	3.8E-02	5.0E-07	NV	1.4E-04	3.4E-03	3.6E-03
Zinc	8.4E-10	NV	1.8E-06	6.1E-05	6.3E-05	8.4E-10	NV	2.4E-07	5.7E-06	5.9E-06	9.1E-10	NV	1.9E-06	6.6E-05	6.8E-05	9.1E-10	NV	2.6E-07	6.2E-06	6.5E-06
Volatile Organic Compounds																				
Bromomethane	ND	4.5E-05	ND	ND	4.5E-05	ND	4.5E-05	ND	ND	4.5E-05	8.4E-11	4.5E-05	1.6E-06	5.4E-06	5.2E-05	8.4E-11	4.5E-05	2.1E-07	5.1E-07	4.5E-05
Chloro methane	ND	1.3E-06	ND	ND	1.3E-06	ND	1.3E-06	ND	ND	1.3E-06	2.0E-12	1.3E-06	4.1E-08	1.4E-07	1.5E-06	2.0E-12	1.3E-06	5.7E-09	1.3E-08	1.3E-06
Chloroform	ND	5.1E-07	ND	ND	5.1E-07	ND	5.1E-07	ND	ND	5.1E-07	1.8E-12	5.1E-07	9.3E-08	3.2E-07	9.3E-07	1.8E-12	5.1E-07	1.3E-08	3.0E-08	5.5E-07
Isophorone	2.3E-11	NV	1.2E-06	4.1E-06	5.3E-06	2.3E-11	NV	1.6E-07	3.8E-07	5.5E-07	2.3E-10	NV	1.2E-05	4.2E-05	5.4E-05	2.3E-10	NV	1.7E-06	3.9E-06	5.6E-06
Methyl acetate	ND	9.1E-09	ND	ND	9.1E-09	ND	9.1E-09	ND	ND	9.1E-09	6.8E-14	9.1E-09	1.4E-09	5.0E-09	1.6E-08	6.8E-14	9.1E-09	2.0E-10	4.7E-10	9.8E-09
Semi-Volatile Organic Compounds																				
4-Methylphenol	1.2E-11	NV	3.6E-07	1.3E-06	1.6E-06	1.2E-11	NV	5.0E-08	1.2E-07	1.7E-07	9.3E-12	NV	2.9E-07	1.0E-06	1.3E-06	9.3E-12	NV	4.0E-08	9.5E-08	1.3E-07
bis (2-ethylhexyl) phthalate	4.0E-10	NV	8.5E-06	2.9E-05	3.8E-05	4.0E-10	NV	1.2E-06	2.7E-06	3.9E-06	1.2E-10	NV	2.5E-06	8.5E-06	1.1E-05	1.2E-10	NV	3.4E-07	8.0E-07	1.1E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	2.2E-13	3.7E-09	6.9E-09	1.6E-08	2.6E-08	2.2E-13	3.7E-09	9.4E-10	1.5E-09	6.1E-09	2.1E-13	3.7E-09	6.6E-09	1.5E-08	2.5E-08	2.1E-13	3.7E-09	9.0E-10	1.4E-09	6.0E-09
2-Methyl naphthalene	2.0E-11	3.5E-07	6.5E-07	1.5E-06	2.5E-06	2.0E-11	3.5E-07	8.8E-08	1.4E-07	5.8E-07	2.0E-11	3.5E-07	6.3E-07	1.4E-06	2.4E-06	2.0E-11	3.5E-07	8.6E-08	1.4E-07	5.8E-07
Acenaphthene	1.3E-12	9.5E-09	4.2E-08	9.6E-08	1.5E-07	1.3E-12	9.5E-09	5.7E-09	9.0E-09	2.4E-08	1.3E-12	9.5E-09	4.2E-08	9.5E-08	1.5E-07	1.3E-12	9.5E-09	5.7E-09	8.9E-09	2.4E-08
Acenaphthylene	1.3E-12	NV	4.1E-08	9.5E-08	1.4E-07	1.3E-12	NV	5.6E-09	8.9E-09	1.5E-08	1.3E-12	NV	4.2E-08	9.5E-08	1.4E-07	1.3E-12	NV	5.7E-09	8.9E-09	1.5E-08
Anthracene	2.9E-13	5.6E-10	9.2E-09	2.1E-08	3.1E-08	2.9E-13	5.6E-10	1.2E-09	2.0E-09	3.8E-09	2.8E-13	5.6E-10	8.7E-09	2.0E-08	2.9E-08	2.8E-13	5.6E-10	1.2E-09	1.9E-09	3.6E-09
Benzo (ghi) perylene	5.8E-12	NV	1.8E-07	4.2E-07	6.0E-07	5.8E-12	NV	2.5E-08	3.9E-08	6.4E-08	5.0E-12	NV	1.6E-07	3.6E-07	5.2E-07	5.0E-12	NV	2.2E-08	3.4E-08	5.6E-08
Fluoranthene	1.3E-11	NV	4.1E-07	9.4E-07	1.3E-06	1.3E-11	NV	5.6E-08	8.8E-08	1.4E-07	9.4E-12	NV	3.0E-07	6.8E-07	9.8E-07	9.4E-12	NV	4.1E-08	6.4E-08	1.0E-07

Table OCS-B2.4c
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	1.9E-12	7.2E-09	6.1E-08	1.4E-07	2.1E-07	1.9E-12	7.2E-09	8.4E-09	1.3E-08	2.9E-08	2.0E-12	7.2E-09	6.3E-08	1.5E-07	2.2E-07	2.0E-12	7.2E-09	8.6E-09	1.4E-08	2.9E-08
Naphthalene	2.3E-11	5.1E-07	2.7E-08	6.2E-08	6.0E-07	2.3E-11	5.1E-07	3.7E-09	5.8E-09	5.2E-07	2.4E-11	5.1E-07	2.8E-08	6.4E-08	6.0E-07	2.4E-11	5.1E-07	3.8E-09	6.0E-09	5.2E-07
Phenanthrene	7.0E-13	NV	2.2E-08	5.1E-08	7.3E-08	7.0E-13	NV	3.0E-09	4.7E-09	7.8E-09	5.6E-13	NV	1.8E-08	4.1E-08	5.9E-08	5.6E-13	NV	2.4E-09	3.8E-09	6.3E-09
Pyrene	1.5E-11	3.1E-09	4.8E-07	1.1E-06	1.6E-06	1.5E-11	3.1E-09	6.5E-08	1.0E-07	1.7E-07	1.1E-11	3.1E-09	3.4E-07	7.9E-07	1.1E-06	1.1E-11	3.1E-09	4.7E-08	7.4E-08	1.2E-07
Pesticides																				
4,4-DDE	8.2E-11	1.0E-08	8.6E-07	5.9E-06	6.8E-06	8.2E-11	1.0E-08	1.2E-07	5.6E-07	6.8E-07	1.6E-11	1.0E-08	1.7E-07	1.1E-06	1.3E-06	1.6E-11	1.0E-08	2.3E-08	1.1E-07	1.4E-07
4,4-DDT	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07
alpha-Chlordane	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07
Dieldrin	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06
gamma-Chlordane	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07
Polychlorinated Biphenyls																				
Total PCBs	2.5E-08	4.1E-05	7.9E-04	1.8E-03	2.7E-03	2.5E-08	4.1E-05	1.1E-04	1.7E-04	3.2E-04	2.3E-08	4.1E-05	7.1E-04	1.6E-03	2.4E-03	2.3E-08	4.1E-05	9.7E-05	1.5E-04	2.9E-04
Total Petroleum Hydrocarbons																				
TPH as diesel	6.7E-09	1.2E-03	2.3E-04	7.8E-04	2.2E-03	6.7E-09	1.2E-03	3.1E-05	7.4E-05	1.3E-03	4.2E-09	1.2E-03	1.4E-04	4.9E-04	1.8E-03	4.2E-09	1.2E-03	1.9E-05	4.6E-05	1.2E-03
TPH as motor oil	2.8E-09	NV	5.8E-05	2.0E-04	2.6E-04	2.8E-09	NV	8.0E-06	1.9E-05	2.7E-05	1.8E-09	NV	3.9E-05	1.3E-04	1.7E-04	1.8E-09	NV	5.3E-06	1.3E-05	1.8E-05
Dioxins/Furans																				
TEQ Human	8.5E-08	1.8E-05	7.6E-03	8.8E-02	9.5E-02	8.5E-08	1.8E-05	1.0E-03	8.2E-03	9.3E-03	6.0E-08	1.8E-05	5.4E-03	6.2E-02	6.7E-02	6.0E-08	1.8E-05	7.3E-04	5.8E-03	6.5E-03
Total Hazard Index	**4E-06**	**1E-03**	**1E-02**	**2E-01**	**2E-01**	**4E-06**	**1E-03**	**1E-03**	**2E-02**	**2E-02**	**3E-06**	**1E-03**	**7E-03**	**1E-01**	**1E-01**	**3E-06**	**1E-03**	**1E-03**	**1E-02**	**1E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.4d
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.4E-08	NV	5.0E-05	1.7E-03	1.8E-03	2.4E-08	NV	6.8E-06	1.6E-04	1.7E-04	2.8E-08	NV	5.8E-05	2.0E-03	2.1E-03	2.8E-08	NV	7.9E-06	1.9E-04	2.0E-04
Chromium, Hexavalent	6.0E-06	NV	NA	3.6E-03	3.6E-03	6.0E-06	NV	NA	3.4E-04	3.4E-04	4.0E-06	NV	NA	2.4E-03	2.4E-03	4.0E-06	NV	NA	2.3E-04	2.3E-04
Chromium, total	3.1E-10	NV	6.4E-07	2.2E-05	2.3E-05	3.1E-10	NV	8.8E-08	2.1E-06	2.2E-06	3.9E-10	NV	8.3E-07	2.9E-05	2.9E-05	3.9E-10	NV	1.1E-07	2.7E-06	2.8E-06
Copper	6.1E-09	NV	1.3E-05	4.4E-04	4.6E-04	6.1E-09	NV	1.8E-06	4.2E-05	4.3E-05	6.2E-09	NV	1.3E-05	4.5E-04	4.7E-04	6.2E-09	NV	1.8E-06	4.2E-05	4.4E-05
Cyanide	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	3.4E-07	NV	3.4E-05	1.2E-03	1.2E-03	3.4E-07	NV	4.6E-06	1.1E-04	1.1E-04	5.4E-07	NV	5.3E-05	1.8E-03	1.9E-03	5.4E-07	NV	7.3E-06	1.7E-04	1.8E-04
Nitrate	2.7E-10	NV	5.7E-07	2.0E-05	2.0E-05	2.7E-10	NV	7.8E-08	1.8E-06	1.9E-06	2.7E-10	NV	5.7E-07	2.0E-05	2.0E-05	2.7E-10	NV	7.8E-08	1.8E-06	1.9E-06
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	5.9E-11	NV	1.2E-07	4.3E-06	4.4E-06	5.9E-11	NV	1.7E-08	4.0E-07	4.2E-07	5.9E-11	NV	1.2E-07	4.3E-06	4.4E-06	5.9E-11	NV	1.7E-08	4.0E-07	4.2E-07
Thallium	1.9E-06	NV	4.1E-03	1.4E-01	1.4E-01	1.9E-06	NV	5.6E-04	1.3E-02	1.4E-02	1.0E-06	NV	2.1E-03	7.3E-02	7.5E-02	1.0E-06	NV	2.9E-04	6.8E-03	7.1E-03
Zinc	1.7E-09	NV	3.5E-06	1.2E-04	1.3E-04	1.7E-09	NV	4.8E-07	1.1E-05	1.2E-05	1.8E-09	NV	3.8E-06	1.3E-04	1.4E-04	1.8E-09	NV	5.2E-07	1.2E-05	1.3E-05
Volatile Organic Compounds																				
Bromomethane	ND	8.9E-05	ND	ND	8.9E-05	ND	8.9E-05	ND	ND	8.9E-05	1.7E-10	8.9E-05	3.1E-06	1.1E-05	1.0E-04	1.7E-10	8.9E-05	4.3E-07	1.0E-06	9.1E-05
Chloro methane	ND	2.6E-06	ND	ND	2.6E-06	ND	2.6E-06	ND	ND	2.6E-06	3.9E-12	2.6E-06	8.3E-08	2.9E-07	3.0E-06	3.9E-12	2.6E-06	1.1E-08	2.7E-08	2.7E-06
Chloroform	ND	1.0E-06	ND	ND	1.0E-06	ND	1.0E-06	ND	ND	1.0E-06	3.6E-12	1.0E-06	1.9E-07	6.4E-07	1.9E-06	3.6E-12	1.0E-06	2.5E-08	6.0E-08	1.1E-06
Isophorone	4.5E-11	NV	2.4E-06	8.2E-06	1.1E-05	4.5E-11	NV	3.2E-07	7.7E-07	1.1E-06	4.6E-10	NV	2.4E-05	8.4E-05	1.1E-04	4.6E-10	NV	3.3E-06	7.8E-06	1.1E-05
Methyl acetate	ND	1.8E-08	ND	ND	1.8E-08	ND	1.8E-08	ND	ND	1.8E-08	1.4E-13	1.8E-08	2.9E-09	9.9E-09	3.1E-08	1.4E-13	1.8E-08	3.9E-10	9.3E-10	2.0E-08
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-11	NV	7.3E-07	2.5E-06	3.2E-06	2.3E-11	NV	9.9E-08	2.4E-07	3.4E-07	1.9E-11	NV	5.8E-07	2.0E-06	2.6E-06	1.9E-11	NV	8.0E-08	1.9E-07	2.7E-07
bis (2-ethylhexyl) phthalate	8.1E-10	NV	1.7E-05	5.8E-05	7.5E-05	8.1E-10	NV	2.3E-06	5.5E-06	7.8E-06	2.4E-10	NV	4.9E-06	1.7E-05	2.2E-05	2.4E-10	NV	6.8E-07	1.6E-06	2.3E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	4.4E-13	7.3E-09	1.4E-08	3.2E-08	5.3E-08	4.4E-13	7.3E-09	1.9E-09	3.0E-09	1.2E-08	4.2E-13	7.3E-09	1.3E-08	3.0E-08	5.1E-08	4.2E-13	7.3E-09	1.8E-09	2.8E-09	1.2E-08
2-Methyl naphthalene	4.1E-11	7.1E-07	1.3E-06	3.0E-06	5.0E-06	4.1E-11	7.1E-07	1.8E-07	2.8E-07	1.2E-06	4.0E-11	7.1E-07	1.3E-06	2.9E-06	4.9E-06	4.0E-11	7.1E-07	1.7E-07	2.7E-07	1.2E-06
Acenaphthene	2.7E-12	1.9E-08	8.4E-08	1.9E-07	3.0E-07	2.7E-12	1.9E-08	1.1E-08	1.8E-08	4.9E-08	2.6E-12	1.9E-08	8.3E-08	1.9E-07	2.9E-07	2.6E-12	1.9E-08	1.1E-08	1.8E-08	4.8E-08
Acenaphthylene	2.6E-12	NV	8.3E-08	1.9E-07	2.7E-07	2.6E-12	NV	1.1E-08	1.8E-08	2.9E-08	2.6E-12	NV	8.3E-08	1.9E-07	2.7E-07	2.6E-12	NV	1.1E-08	1.8E-08	2.9E-08
Anthracene	5.8E-13	1.1E-09	1.8E-08	4.2E-08	6.2E-08	5.8E-13	1.1E-09	2.5E-09	3.9E-09	7.6E-09	5.5E-13	1.1E-09	1.7E-08	4.0E-08	5.9E-08	5.5E-13	1.1E-09	2.4E-09	3.8E-09	7.3E-09
Benzo (ghi) perylene	1.2E-11	NV	3.6E-07	8.4E-07	1.2E-06	1.2E-11	NV	5.0E-08	7.9E-08	1.3E-07	1.0E-11	NV	3.2E-07	7.3E-07	1.0E-06	1.0E-11	NV	4.3E-08	6.8E-08	1.1E-07
Fluoranthene	2.6E-11	NV	8.1E-07	1.9E-06	2.7E-06	2.6E-11	NV	1.1E-07	1.8E-07	2.9E-07	1.9E-11	NV	5.9E-07	1.4E-06	2.0E-06	1.9E-11	NV	8.1E-08	1.3E-07	2.1E-07

Table OCS-B2.4d
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	3.9E-12	1.4E-08	1.2E-07	2.8E-07	4.2E-07	3.9E-12	1.4E-08	1.7E-08	2.6E-08	5.8E-08	4.0E-12	1.4E-08	1.3E-07	2.9E-07	4.3E-07	4.0E-12	1.4E-08	1.7E-08	2.7E-08	5.9E-08
Naphthalene	4.5E-11	1.0E-06	5.4E-08	1.2E-07	1.2E-06	4.5E-11	1.0E-06	7.3E-09	1.2E-08	1.0E-06	4.7E-11	1.0E-06	5.6E-08	1.3E-07	1.2E-06	4.7E-11	1.0E-06	7.6E-09	1.2E-08	1.0E-06
Phenanthrene	1.4E-12	NV	4.4E-08	1.0E-07	1.5E-07	1.4E-12	NV	6.0E-09	9.5E-09	1.6E-08	1.1E-12	NV	3.6E-08	8.2E-08	1.2E-07	1.1E-12	NV	4.9E-09	7.7E-09	1.3E-08
Pyrene	3.0E-11	6.3E-09	9.6E-07	2.2E-06	3.2E-06	3.0E-11	6.3E-09	1.3E-07	2.1E-07	3.4E-07	2.2E-11	6.3E-09	6.9E-07	1.6E-06	2.3E-06	2.2E-11	6.3E-09	9.4E-08	1.5E-07	2.5E-07
Pesticides																				
4,4-DDE	1.6E-10	2.0E-08	1.7E-06	1.2E-05	1.4E-05	1.6E-10	2.0E-08	2.4E-07	1.1E-06	1.4E-06	3.2E-11	2.0E-08	3.3E-07	2.3E-06	2.7E-06	3.2E-11	2.0E-08	4.6E-08	2.2E-07	2.8E-07
4,4-DDT	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07
alpha-Chlordane	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06
Dieldrin	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06
gamma-Chlordane	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06
Polychlorinated Biphenyls																				
Total PCBs	5.0E-08	8.3E-05	1.6E-03	3.7E-03	5.3E-03	5.0E-08	8.3E-05	2.2E-04	3.4E-04	6.4E-04	4.5E-08	8.3E-05	1.4E-03	3.3E-03	4.8E-03	4.5E-08	8.3E-05	1.9E-04	3.1E-04	5.8E-04
Total Petroleum Hydrocarbons																				
TPH as diesel	1.3E-08	2.4E-03	4.6E-04	1.6E-03	4.4E-03	1.3E-08	2.4E-03	6.2E-05	1.5E-04	2.6E-03	8.3E-09	2.4E-03	2.8E-04	9.8E-04	3.6E-03	8.3E-09	2.4E-03	3.9E-05	9.2E-05	2.5E-03
TPH as motor oil	5.5E-09	NV	1.2E-04	4.0E-04	5.2E-04	5.5E-09	NV	1.6E-05	3.8E-05	5.4E-05	3.7E-09	NV	7.8E-05	2.7E-04	3.5E-04	3.7E-09	NV	1.1E-05	2.5E-05	3.6E-05
Dioxins/Furans																				
TEQ Human	1.7E-07	3.6E-05	1.5E-02	1.8E-01	1.9E-01	1.7E-07	3.6E-05	2.1E-03	1.6E-02	1.9E-02	1.2E-07	3.6E-05	1.1E-02	1.2E-01	1.3E-01	1.2E-07	3.6E-05	1.5E-03	1.2E-02	1.3E-02
Total Hazard Index	**9E-06**	**3E-03**	**2E-02**	**3E-01**	**4E-01**	**9E-06**	**3E-03**	**3E-03**	**3E-02**	**4E-02**	**6E-06**	**3E-03**	**1E-02**	**2E-01**	**2E-01**	**6E-06**	**3E-03**	**2E-03**	**2E-02**	**2E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.4e
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.4E-06	NV	9.0E-05	1.2E-04	2.1E-04	2.4E-06	NV	7.7E-05	5.0E-05	1.3E-04	2.8E-06	NV	1.1E-04	1.4E-04	2.5E-04	2.8E-06	NV	9.1E-05	5.8E-05	1.5E-04
Chromium, Hexavalent	6.0E-04	NV	NA	2.5E-04	8.5E-04	6.0E-04	NV	NA	1.0E-04	7.0E-04	4.0E-04	NV	NA	1.7E-04	5.7E-04	4.0E-04	NV	NA	7.0E-05	4.7E-04
Chromium, total	3.1E-08	NV	1.2E-06	1.6E-06	2.8E-06	3.1E-08	NV	1.0E-06	6.4E-07	1.7E-06	4.0E-08	NV	1.5E-06	2.0E-06	3.6E-06	4.0E-08	NV	1.3E-06	8.3E-07	2.2E-06
Copper	6.1E-07	NV	2.3E-05	3.1E-05	5.5E-05	6.1E-07	NV	2.0E-05	1.3E-05	3.4E-05	6.3E-07	NV	2.4E-05	3.2E-05	5.6E-05	6.3E-07	NV	2.0E-05	1.3E-05	3.4E-05
Cyanide	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	3.4E-05	NV	6.1E-05	8.2E-05	1.8E-04	3.4E-05	NV	5.3E-05	3.4E-05	1.2E-04	5.4E-05	NV	9.7E-05	1.3E-04	2.8E-04	5.4E-05	NV	8.3E-05	5.3E-05	1.9E-04
Nitrate	2.7E-08	NV	1.0E-06	1.4E-06	2.5E-06	2.7E-08	NV	8.9E-07	5.7E-07	1.5E-06	2.7E-08	NV	1.0E-06	1.4E-06	2.5E-06	2.7E-08	NV	8.9E-07	5.7E-07	1.5E-06
Orthophosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--	NS	NV	NS	NS	--
Phosphate	5.9E-09	NV	2.3E-07	3.0E-07	5.3E-07	5.9E-09	NV	1.9E-07	1.2E-07	3.2E-07	5.9E-09	NV	2.3E-07	3.0E-07	5.3E-07	5.9E-09	NV	1.9E-07	1.2E-07	3.2E-07
Thallium	1.9E-04	NV	7.4E-03	9.9E-03	1.7E-02	1.9E-04	NV	6.3E-03	4.1E-03	1.1E-02	1.0E-04	NV	3.9E-03	5.1E-03	9.1E-03	1.0E-04	NV	3.3E-03	2.1E-03	5.5E-03
Zinc	1.7E-07	NV	6.4E-06	8.6E-06	1.5E-05	1.7E-07	NV	5.5E-06	3.5E-06	9.2E-06	1.8E-07	NV	7.0E-06	9.3E-06	1.6E-05	1.8E-07	NV	6.0E-06	3.8E-06	1.0E-05
Volatile Organic Compounds																				
Bromomethane	ND	5.6E-06	ND	ND	5.6E-06	ND	5.6E-06	ND	ND	5.6E-06	1.7E-08	5.6E-06	5.7E-06	7.6E-07	1.2E-05	1.7E-08	5.6E-06	4.9E-06	3.1E-07	1.1E-05
Chloro methane	ND	1.7E-07	ND	ND	1.7E-07	ND	1.7E-07	ND	ND	1.7E-07	4.0E-10	1.7E-07	1.5E-07	2.0E-08	3.4E-07	4.0E-10	1.7E-07	1.3E-07	8.3E-09	3.0E-07
Chloroform	ND	6.4E-08	ND	ND	6.4E-08	ND	6.4E-08	ND	ND	6.4E-08	3.6E-10	6.4E-08	3.4E-07	4.5E-08	4.5E-07	3.6E-10	6.4E-08	2.9E-07	1.9E-08	3.7E-07
Isophorone	4.5E-09	NV	4.3E-06	5.8E-07	4.9E-06	4.5E-09	NV	3.7E-06	2.4E-07	3.9E-06	4.6E-08	NV	4.4E-05	5.9E-06	5.0E-05	4.6E-08	NV	3.8E-05	2.4E-06	4.0E-05
Methyl acetate	ND	1.1E-09	ND	ND	1.1E-09	ND	1.1E-09	ND	ND	1.1E-09	1.4E-11	1.1E-09	5.2E-09	7.0E-10	7.1E-09	1.4E-11	1.1E-09	4.5E-09	2.9E-10	5.9E-09
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-09	NV	1.3E-06	1.8E-07	1.5E-06	2.3E-09	NV	1.1E-06	7.3E-08	1.2E-06	1.9E-09	NV	1.1E-06	1.4E-07	1.2E-06	1.9E-09	NV	9.1E-07	5.8E-08	9.7E-07
bis (2-ethylhexyl) phthalate	8.1E-08	NV	3.1E-05	4.1E-06	3.5E-05	8.1E-08	NV	2.6E-05	1.7E-06	2.8E-05	2.4E-08	NV	9.0E-06	1.2E-06	1.0E-05	2.4E-08	NV	7.7E-06	5.0E-07	8.2E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	4.4E-11	4.6E-10	2.5E-08	2.2E-09	2.8E-08	4.4E-11	4.6E-10	2.1E-08	9.2E-10	2.3E-08	4.2E-11	4.6E-10	2.4E-08	2.1E-09	2.7E-08	4.2E-11	4.6E-10	2.1E-08	8.8E-10	2.2E-08
2-Methyl naphthalene	4.1E-09	4.4E-08	2.3E-06	2.1E-07	2.6E-06	4.1E-09	4.4E-08	2.0E-06	8.6E-08	2.1E-06	4.0E-09	4.4E-08	2.3E-06	2.0E-07	2.5E-06	4.0E-09	4.4E-08	2.0E-06	8.4E-08	2.1E-06
Acenaphthene	2.7E-10	1.2E-09	1.5E-07	1.4E-08	1.7E-07	2.7E-10	1.2E-09	1.3E-07	5.6E-09	1.4E-07	2.6E-10	1.2E-09	1.5E-07	1.3E-08	1.7E-07	2.6E-10	1.2E-09	1.3E-07	5.5E-09	1.4E-07
Acenaphthylene	2.6E-10	NV	1.5E-07	1.3E-08	1.6E-07	2.6E-10	NV	1.3E-07	5.5E-09	1.3E-07	2.6E-10	NV	1.5E-07	1.3E-08	1.6E-07	2.6E-10	NV	1.3E-07	5.5E-09	1.4E-07
Anthracene	5.8E-11	7.0E-11	3.3E-08	3.0E-09	3.6E-08	5.8E-11	7.0E-11	2.9E-08	1.2E-09	3.0E-08	5.6E-11	7.0E-11	3.2E-08	2.8E-09	3.5E-08	5.6E-11	7.0E-11	2.7E-08	1.2E-09	2.9E-08
Benzo (ghi) perylene	1.2E-09	NV	6.6E-07	5.9E-08	7.2E-07	1.2E-09	NV	5.7E-07	2.4E-08	5.9E-07	1.0E-09	NV	5.7E-07	5.1E-08	6.3E-07	1.0E-09	NV	4.9E-07	2.1E-08	5.2E-07
Fluoranthene	2.6E-09	NV	1.5E-06	1.3E-07	1.6E-06	2.6E-09	NV	1.3E-06	5.4E-08	1.3E-06	1.9E-09	NV	1.1E-06	9.6E-08	1.2E-06	1.9E-09	NV	9.3E-07	4.0E-08	9.7E-07

Table OCS-B2.4e
Baseline Scenario HIs for COPCs in OCS Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	3.9E-10	9.0E-10	2.2E-07	2.0E-08	2.4E-07	3.9E-10	9.0E-10	1.9E-07	8.2E-09	2.0E-07	4.0E-10	9.0E-10	2.3E-07	2.0E-08	2.5E-07	4.0E-10	9.0E-10	2.0E-07	8.4E-09	2.1E-07
Naphthalene	4.5E-09	6.4E-08	9.7E-08	8.7E-09	1.7E-07	4.5E-09	6.4E-08	8.3E-08	3.6E-09	1.6E-07	4.7E-09	6.4E-08	1.0E-07	9.0E-09	1.8E-07	4.7E-09	6.4E-08	8.7E-08	3.7E-09	1.6E-07
Phenanthrene	1.4E-10	NV	8.0E-08	7.1E-09	8.7E-08	1.4E-10	NV	6.9E-08	2.9E-09	7.2E-08	1.1E-10	NV	6.5E-08	5.8E-09	7.1E-08	1.1E-10	NV	5.6E-08	2.4E-09	5.8E-08
Pyrene	3.0E-09	3.9E-10	1.7E-06	1.5E-07	1.9E-06	3.0E-09	3.9E-10	1.5E-06	6.4E-08	1.6E-06	2.2E-09	3.9E-10	1.3E-06	1.1E-07	1.4E-06	2.2E-09	3.9E-10	1.1E-06	4.6E-08	1.1E-06
Pesticides																				
4,4-DDE	1.6E-08	1.3E-09	3.1E-06	8.4E-07	4.0E-06	1.6E-08	1.3E-09	2.7E-06	3.4E-07	3.1E-06	3.2E-09	1.3E-09	6.1E-07	1.6E-07	7.7E-07	3.2E-09	1.3E-09	5.2E-07	6.7E-08	5.9E-07
4,4-DDT	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07
alpha-Chlordane	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06
Dieldrin	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05
gamma-Chlordane	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06
Polychlorinated Biphenyls																				
Total PCBs	5.1E-06	5.2E-06	2.9E-03	2.6E-04	3.2E-03	5.1E-06	5.2E-06	2.5E-03	1.1E-04	2.6E-03	4.5E-06	5.2E-06	2.6E-03	2.3E-04	2.8E-03	4.5E-06	5.2E-06	2.2E-03	9.5E-05	2.3E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	1.3E-06	1.5E-04	8.3E-04	1.1E-04	1.1E-03	1.3E-06	1.5E-04	7.1E-04	4.6E-05	9.0E-04	8.4E-07	1.5E-04	5.2E-04	6.9E-05	7.3E-04	8.4E-07	1.5E-04	4.4E-04	2.8E-05	6.2E-04
TPH as motor oil	5.6E-07	NV	2.1E-04	2.8E-05	2.4E-04	5.6E-07	NV	1.8E-04	1.2E-05	1.9E-04	3.7E-07	NV	1.4E-04	1.9E-05	1.6E-04	3.7E-07	NV	1.2E-04	7.8E-06	1.3E-04
Dioxins/Furans																				
TEQ Human	1.7E-05	2.2E-06	2.8E-02	1.2E-02	4.0E-02	1.7E-05	2.2E-06	2.4E-02	5.1E-03	2.9E-02	1.2E-05	2.2E-06	2.0E-02	8.7E-03	2.8E-02	1.2E-05	2.2E-06	1.7E-02	3.6E-03	2.0E-02
Total Hazard Index	**9E-04**	**2E-04**	**4E-02**	**2E-02**	**6E-02**	**9E-04**	**2E-04**	**3E-02**	**1E-02**	**4E-02**	**6E-04**	**2E-04**	**3E-02**	**1E-02**	**4E-02**	**6E-04**	**2E-04**	**2E-02**	**6E-03**	**3E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCS-B2.5a
Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	15.4	37.4	21.7	15.0
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	40	40	40	40
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.008**	**0.020**	**0.011**	**0.008**
$PbB_{fetal,0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.02	0.04	0.02	0.02
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **994**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (40 days/year) is a site-specific value for short-term maintenance workers as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCS-B2.5b
Baseline Scenario Risk Evaluation for Lead in OCS Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	15.4	37.4	21.7	15.0
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	10	10	10	10
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.002**	**0.005**	**0.003**	**0.002**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.00	0.01	0.01	0.00
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **3977**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23,

Table OCS-B2.5c

Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	15.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.004	0.007	0.01	0.01	0.01	2159
BLOOD Pb, PICA CHILD	0.008	0.01	0.02	0.02	0.02	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	3.2E-05	1%		3.2E-05	0.4%
Soil Ingestion	2.5E-4	3.9E-03	99%	5.0E-4	7.7E-03	100%
Inhalation	7.0E-8	1.1E-06	0.03%		1.1E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B2.5d

Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	37.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.009	0.017	0.02	0.02	0.03	2159
BLOOD Pb, PICA CHILD	0.019	0.03	0.04	0.05	0.06	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	7.7E-05	1%		7.7E-05	0.4%
Soil Ingestion	2.5E-4	9.4E-03	99%	5.0E-4	1.9E-02	100%
Inhalation	7.0E-8	2.6E-06	0.03%		2.6E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B2.5e

Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	15.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.008	0.014	0.02	0.02	0.02	1079
BLOOD Pb, PICA CHILD	0.016	0.03	0.03	0.04	0.05	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	6.4E-05	1%		6.4E-05	0.4%
Soil Ingestion	5.0E-4	7.7E-03	99%	1.0E-3	1.5E-02	100%
Inhalation	1.4E-7	2.2E-06	0.03%		2.2E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B2.5f

Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

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INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	37.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.019	0.035	0.04	0.05	0.06	1079
BLOOD Pb, PICA CHILD	0.038	0.07	0.08	0.10	0.11	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	1.5E-04	1%		1.5E-04	0.4%
Soil Ingestion	5.0E-4	1.9E-02	99%	1.0E-3	3.8E-02	100%
Inhalation	1.4E-7	5.2E-06	0.03%		5.2E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCS-B2.5g

Baseline Scenario Risk Evaluation for Lead in OCS Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	15.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.003	0.005	0.01	0.01	0.01	3180
BLOOD Pb, PICA CHILD	0.016	0.03	0.03	0.04	0.05	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	2.6E-04	10%		2.6E-04	1.6%
Soil Ingestion	1.6E-4	2.4E-03	90%	1.0E-3	1.5E-02	98%
Inhalation	8.7E-9	1.3E-07	0.01%		1.3E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

Table OCS-B2.5h

Baseline Scenario Risk Evaluation for Lead in OCS Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

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INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	37.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.006	0.012	0.01	0.02	0.02	3180
BLOOD Pb, PICA CHILD	0.038	0.07	0.08	0.10	0.11	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	6.2E-04	10%		6.2E-04	1.6%
Soil Ingestion	1.6E-4	5.8E-03	90%	1.0E-3	3.8E-02	98%
Inhalation	8.7E-9	3.3E-07	0.01%		3.3E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

ATTACHMENT C

Dose and Risk Calculations for Ecological Receptors at OCS Using Depth-Weighted EPCs

Attachment OCS-C
Dose and Risk Calculations for Ecological Receptors at OCS Using Depth-Weighted EPCs

Table OCS-C.1	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for Outside Compressor Station
Table OCS-C.2	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for Outside Compressor Station
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Table OCS-C.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Antimony	Red-Tailed Hawk	1.2E+00		100% Mammals	1.4E-02	6.0E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	3.3E+01		100% Mammals	1.4E-02	3.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	1.3E+02		100% Mammals	1.4E-02	8.2E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	6.0E+01		100% Mammals	1.4E-02	1.4E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	2.9E+01		100% Mammals	1.4E-02	4.8E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	5.0E-01		100% Mammals	1.4E-02	9.6E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	2.4E+00	m	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	9.8E+01		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloro methane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloroform	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Methyl acetate	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	4.3E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	2.0E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Isophorone	Red-Tailed Hawk	2.8E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	1.7E-01		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	2.2E+00		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	m	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dieldrin	Red-Tailed Hawk	6.7E-03	m	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	m	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	5.1E-01		100% Mammals	1.4E-02	4.0E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	6.1E+01		100% Mammals	1.4E-02	5.3E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	1.0E+02		100% Mammals	1.4E-02	9.3E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Miscellaneous										
Cyanide	Red-Tailed Hawk	2.2E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics										
Antimony	Desert Kit Fox	1.2E+00		100% Mammals	2.8E-02	6.0E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	3.3E+01		100% Mammals	2.8E-02	3.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	8.2E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	6.0E+01		100% Mammals	2.8E-02	1.4E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	3.8E+01		100% Mammals	2.8E-02	4.8E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	1.4E+00		100% Mammals	2.8E-02	9.6E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	2.4E+00	m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	2.6E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloro methane	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloroform	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Methyl acetate	Desert Kit Fox	1.7E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	4.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	2.0E+00	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Isophorone	Desert Kit Fox	2.9E+01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	1.7E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	2.2E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Alpha-Chlordane	Desert Kit Fox	1.2E-02	m	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dieldrin	Desert Kit Fox	6.7E-03	m	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table OCS-C.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	m	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	5.1E-01		100% Mammals	2.8E-02	4.0E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	7.3E+01		100% Mammals	2.8E-02	5.3E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	1.2E+02		100% Mammals	2.8E-02	9.3E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Miscellaneous										
Cyanide	Desert Kit Fox	2.2E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	1.2E+00		100% Plants	3.0E-01	4.6E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	3.3E+01		100% Plants	3.0E-01	1.4E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	8.2E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	6.0E+01		100% Plants	3.0E-01	9.8E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	3.8E+01		100% Plants	3.0E-01	2.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	1.4E+00		100% Plants	3.0E-01	4.4E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00	m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	6.3E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	2.0E+00	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.7E-01		100% Plants	3.0E-01	1.2E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.2E+00		100% Plants	3.0E-01	3.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	m	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	m	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	m	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.1E-01		100% Plants	3.0E-01	5.1E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	7.3E+01		100% Plants	3.0E-01	4.1E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.2E+02		100% Plants	3.0E-01	6.6E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCS-C.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	4.7E-03	1.3E-03	6.0E-03	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	2.4E-01	3.7E-02	2.8E-01	2.5E+00	2.5E+01	1E-01	1E-02
Chromium, total	Red-Tailed Hawk	--	--	6.5E-01	1.4E-01	7.9E-01	2.7E+00	1.6E+01	3E-01	5E-02
Copper	Red-Tailed Hawk	--	--	1.1E+00	6.7E-02	1.2E+00	4.1E+00	1.2E+01	3E-01	1E-01
Lead	Red-Tailed Hawk	--	--	3.8E-01	3.2E-02	4.1E-01	1.6E+00	3.3E+00	3E-01	1E-01
Mercury	Red-Tailed Hawk	--	--	7.6E-03	5.6E-04	8.2E-03	3.9E-02	1.8E-01	2E-01	5E-02
Thallium	Red-Tailed Hawk	--	--	2.1E-02	2.7E-03	2.4E-02	3.5E-01	3.5E+00	7E-02	7E-03
Zinc	Red-Tailed Hawk	--	--	8.6E+00	1.1E-01	8.7E+00	6.6E+01	1.7E+02	1E-01	5E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	4.8E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	2.2E-03	2.2E-03	1.1E+00	1.1E+01	2E-03	2E-04
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	3.1E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.9E-04	1.9E-04	2.3E+01	2.3E+02	8E-06	8E-07
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	2.5E-03	2.5E-03	1.0E+01	1.0E+02	2E-04	2E-05
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	2.3E-01	2.3E+00	1E-01	1E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	2.3E-01	2.3E+00	**4E+00**	4E-01
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.8E-02	2.1E+00	1.1E+01	1E-02	3E-03
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	9.4E-03	7.1E-02	3.8E+00	1E-01	2E-03
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	3.0E-02	2.1E+00	1.1E+01	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	3.2E-03	5.6E-04	3.8E-03	9.0E-02	1.3E+00	4E-02	3E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	4.2E+00	6.8E-02	4.2E+00	1.4E+01	1.4E+02	3E-01	3E-02
TEQ Mammals	Red-Tailed Hawk	--	--	7.4E+00	1.1E-01	7.5E+00	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	2.4E-04	4.0E-02	4.0E-01	6E-03	6E-04
Inorganics										
Antimony	Desert Kit Fox	--	--	2.1E-03	1.2E-03	3.3E-03	5.9E-02	5.9E-01	6E-02	6E-03
Chromium, hexavalent	Desert Kit Fox	--	--	1.1E-01	3.3E-02	1.4E-01	9.2E+00	3.8E+01	2E-02	4E-03
Chromium, total	Desert Kit Fox	--	--	2.9E-01	2.0E-01	4.9E-01	2.4E+00	9.6E+00	2E-01	5E-02
Copper	Desert Kit Fox	--	--	4.9E-01	5.9E-02	5.5E-01	5.6E+00	9.3E+00	1E-01	6E-02
Lead	Desert Kit Fox	--	--	1.7E-01	3.8E-02	2.1E-01	4.7E+00	8.9E+00	4E-02	2E-02
Mercury	Desert Kit Fox	--	--	3.4E-03	1.4E-03	4.8E-03	2.5E-01	4.0E+00	2E-02	1E-03
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.2E-02	4.8E-01	1.4E+00	2E-02	8E-03
Zinc	Desert Kit Fox	--	--	3.8E+00	1.0E-01	3.9E+00	7.5E+01	3.0E+02	5E-02	1E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	2.6E-05	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	1.5E+01	4.1E+01	7E-07	3E-07
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.7E-05	9.0E+01	3.6E+02	2E-07	5E-08
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	4.3E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	2.0E-03	2.0E-03	1.8E+01	1.8E+02	1E-04	1E-05
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	2.8E-02	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	1.7E-04	1.7E-04	6.6E+01	3.3E+02	3E-06	5E-07
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	2.2E-03	2.2E-03	6.2E-01	3.1E+00	4E-03	7E-04
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	1.5E-01	7.4E-01	9E-02	2E-02
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	1.5E-01	7.4E-01	**3E+00**	5E-01
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.2E-02	4.6E+00	9.2E+00	3E-03	1E-03
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	4.2E-03	1.5E-02	3.0E-02	3E-01	1E-01

Table OCS-C.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.3E-02	4.6E+00	9.2E+00	3E-03	1E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	1.4E-03	5.0E-04	1.9E-03	3.6E-01	1.3E+00	5E-03	2E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	1.9E+00	7.2E-02	1.9E+00	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	3.3E+00	1.2E-01	3.4E+00	1.0E+00	1.0E+01	**3E+00**	3E-01
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.2E-04	4.5E+00	1.3E+01	5E-05	2E-05
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	6.4E-04	--	--	4.9E-03	5.5E-03	4.3E-02	4.3E-01	1E-01	1E-02
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	1.9E-02	--	--	1.4E-01	1.6E-01	9.2E+00	3.8E+01	2E-02	4E-03
Chromium, total	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	8.2E-01	9.3E-01	2.4E+00	9.6E+00	4E-01	1E-01
Copper	Nelson's Desert Bighorn Sheep	1.3E-01	--	--	2.5E-01	3.8E-01	5.6E+00	9.3E+00	7E-02	4E-02
Lead	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.6E-01	1.8E-01	3.4E+00	6.4E+00	5E-02	3E-02
Mercury	Nelson's Desert Bighorn Sheep	6.0E-03	--	--	5.6E-03	1.2E-02	1.8E-01	2.9E+00	6E-02	4E-03
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.0E-02	3.5E-01	1.0E+00	3E-02	1E-02
Zinc	Nelson's Desert Bighorn Sheep	8.7E-01	--	--	4.3E-01	1.3E+00	7.5E+01	3.0E+02	2E-02	4E-03
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.1E-04	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	1.1E+01	3.0E+01	4E-06	2E-06
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	7.0E-05	6.6E+01	2.6E+02	1E-06	3E-07
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	1.8E-03	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	8.2E-03	8.2E-03	1.2E+01	1.2E+02	7E-04	7E-05
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.2E-01	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.6E-03	--	--	7.0E-04	2.3E-03	6.6E+01	3.3E+02	4E-05	7E-06
PAH High molecular weight	Nelson's Desert Bighorn Sheep	5.3E-03	--	--	9.2E-03	1.5E-02	6.2E-01	3.1E+00	2E-02	5E-03
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	9.7E-02	4.9E-01	3E-04	5E-05
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	9.7E-02	4.9E-01	5E-04	1E-04
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	8.1E-05	2.9E+00	5.8E+00	3E-05	1E-05
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	6.5E-05	1.0E-02	2.1E-02	6E-03	3E-03
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	8.7E-05	2.9E+00	5.8E+00	3E-05	2E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	6.9E-05	--	--	2.1E-03	2.1E-03	2.3E-01	8.1E-01	9E-03	3E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	5.6E-03	--	--	3.0E-01	3.0E-01	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	9.1E-03	--	--	4.9E-01	4.9E-01	7.3E-01	7.3E+00	7E-01	7E-02
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	9.1E-04	3.3E+00	9.1E+00	3E-04	1E-04

See Notes and Abbreviations following Table OCS-C.4.

Table OCS-C.2

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)	
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate
Inorganics									
Copper	Red-Tailed Hawk	6.0E+01		100% Mammals	1.4E-02	1.4E+01	1.1E+00	7.9E-02	1.1E-03
Lead	Red-Tailed Hawk	2.9E+01		100% Mammals	1.4E-02	4.8E+00	1.1E+00	7.9E-02	1.1E-03
Mercury	Red-Tailed Hawk	5.0E-01		100% Mammals	1.4E-02	9.6E-02	1.1E+00	7.9E-02	1.1E-03
Zinc	Red-Tailed Hawk	9.8E+01		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03
Pesticides									
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	5.1E-01		100% Mammals	1.4E-02	4.0E-02	1.1E+00	7.9E-02	1.1E-03
Inorganics									
Copper	Desert Kit Fox	6.0E+01		100% Mammals	2.8E-02	1.4E+01	2.0E+00	3.5E-02	9.9E-04
Lead	Desert Kit Fox	3.8E+01		100% Mammals	2.8E-02	4.8E+00	2.0E+00	3.5E-02	9.9E-04
Mercury	Desert Kit Fox	1.4E+00		100% Mammals	2.8E-02	9.6E-02	2.0E+00	3.5E-02	9.9E-04
Thallium	Desert Kit Fox	2.4E+00	m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04
Zinc	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	1.7E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04
PAH High molecular weight	Desert Kit Fox	2.2E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04
Pesticides									
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	5.1E-01		100% Mammals	2.8E-02	4.0E-02	2.0E+00	3.5E-02	9.9E-04
Inorganics									
Copper	Nelson's Desert Bighorn Sheep	6.0E+01		100% Plants	3.0E-01	9.8E+00	6.8E+01	1.4E-02	4.1E-03
Lead	Nelson's Desert Bighorn Sheep	3.8E+01		100% Plants	3.0E-01	2.0E+00	6.8E+01	1.4E-02	4.1E-03
Mercury	Nelson's Desert Bighorn Sheep	1.4E+00		100% Plants	3.0E-01	4.4E-01	6.8E+01	1.4E-02	4.1E-03
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00	m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03
Zinc	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	6.3E+01	6.8E+01	1.4E-02	4.1E-03
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.7E-01		100% Plants	3.0E-01	1.2E-01	6.8E+01	1.4E-02	4.1E-03
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.2E+00		100% Plants	3.0E-01	3.9E-01	6.8E+01	1.4E-02	4.1E-03
Pesticides									
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	5.1E-01		100% Plants	3.0E-01	5.1E-03	6.8E+01	1.4E-02	4.1E-03

Table OCS-C.2

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Site Use Factor (unitless)	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
			Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics											
Copper	Red-Tailed Hawk	1.0E+00	--	--	1.1E+00	6.7E-02	1.2E+00	2.3E+00	5.2E+01	5E-01	2E-02
Lead	Red-Tailed Hawk	1.0E+00	--	--	3.8E-01	3.2E-02	4.1E-01	1.4E-02	8.8E+00	**3E+01**	5E-02
Mercury	Red-Tailed Hawk	1.0E+00	--	--	7.6E-03	5.6E-04	8.2E-03	3.9E-02	1.8E-01	2E-01	5E-02
Zinc	Red-Tailed Hawk	1.0E+00	--	--	8.6E+00	1.1E-01	8.7E+00	1.7E+01	1.7E+02	5E-01	5E-02
Pesticides											
4,4-DDT	Red-Tailed Hawk	1.0E+00	--	--	3.1E-02	3.3E-06	3.1E-02	9.0E-03	1.5E+00	**3E+00**	2E-02
4,4-DDE	Red-Tailed Hawk	1.0E+00	--	--	8.3E-01	6.8E-06	8.3E-01	9.0E-03	6.0E-01	**9E+01**	1E+00
Polychlorinated Biphenyls											
Total PCBs	Red-Tailed Hawk	1.0E+00	--	--	3.2E-03	5.6E-04	3.8E-03	9.0E-02	1.3E+00	4E-02	3E-03
Inorganics											
Copper	Desert Kit Fox	1.0E+00	--	--	4.9E-01	5.9E-02	5.5E-01	2.7E+00	6.3E+02	2E-01	9E-04
Lead	Desert Kit Fox	1.0E+00	--	--	1.7E-01	3.8E-02	2.1E-01	1.0E+00	2.4E+02	2E-01	9E-04
Mercury	Desert Kit Fox	1.0E+00	--	--	3.4E-03	1.4E-03	4.8E-03	2.5E-01	4.0E+00	2E-02	1E-03
Thallium	Desert Kit Fox	1.0E+00	--	--	9.5E-03	2.4E-03	1.2E-02	4.8E-01	1.4E+00	2E-02	8E-03
Zinc	Desert Kit Fox	1.0E+00	--	--	3.8E+00	1.0E-01	3.9E+00	9.6E+00	4.1E+02	4E-01	1E-02
Polycyclic Aromatic Hydrocarbons											
PAH Low molecular weight	Desert Kit Fox	1.0E+00	--	--	0.0E+00	1.7E-04	1.7E-04	5.0E+01	1.5E+02	3E-06	1E-06
PAH High molecular weight	Desert Kit Fox	1.0E+00	--	--	0.0E+00	2.2E-03	2.2E-03	1.3E+00	3.3E+01	2E-03	7E-05
Pesticides											
4,4-DDT	Desert Kit Fox	1.0E+00	--	--	1.4E-02	3.0E-06	1.4E-02	8.0E-01	1.6E+01	2E-02	9E-04
4,4-DDE	Desert Kit Fox	1.0E+00	--	--	3.7E-01	6.0E-06	3.7E-01	8.0E-01	1.6E+01	5E-01	2E-02
Polychlorinated Biphenyls											
Total PCBs	Desert Kit Fox	1.0E+00	--	--	1.4E-03	5.0E-04	1.9E-03	3.6E-01	1.3E+00	5E-03	2E-03
Inorganics											
Copper	Nelson's Desert Bighorn Sheep	1.0E+00	1.3E-01	--	--	2.5E-01	3.8E-01	1.7E+00	4.6E+02	2E-01	8E-04
Lead	Nelson's Desert Bighorn Sheep	1.0E+00	2.8E-02	--	--	1.6E-01	1.8E-01	7.3E-01	1.5E+02	3E-01	1E-03
Mercury	Nelson's Desert Bighorn Sheep	1.0E+00	6.0E-03	--	--	5.6E-03	1.2E-02	1.8E-01	2.9E+00	6E-02	4E-03
Thallium	Nelson's Desert Bighorn Sheep	1.0E+00	1.3E-04	--	--	9.9E-03	1.0E-02	3.5E-01	1.0E+00	3E-02	1E-02
Zinc	Nelson's Desert Bighorn Sheep	1.0E+00	8.7E-01	--	--	4.3E-01	1.3E+00	6.0E+00	3.0E+02	2E-01	4E-03
Polycyclic Aromatic Hydrocarbons											
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.0E+00	1.6E-03	--	--	7.0E-04	2.3E-03	3.6E+01	1.1E+02	6E-05	2E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.0E+00	5.3E-03	--	--	9.2E-03	1.5E-02	8.2E-01	2.1E+01	2E-02	7E-04
Pesticides											
4,4-DDT	Nelson's Desert Bighorn Sheep	1.0E+00	1.4E-05	--	--	1.2E-05	2.6E-05	5.8E-01	1.2E+01	5E-05	2E-06
4,4-DDE	Nelson's Desert Bighorn Sheep	1.0E+00	2.4E-05	--	--	2.5E-05	4.9E-05	5.8E-01	1.2E+01	8E-05	4E-06
Polychlorinated Biphenyls											
Total PCBs	Nelson's Desert Bighorn Sheep	1.0E+00	6.9E-05	--	--	2.1E-03	2.1E-03	2.3E-01	8.1E-01	9E-03	3E-03

See Notes and Abbreviations following Table OCS-C.8.

Table OCS-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	(kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Antimony	Red-Tailed Hawk	1.2E+00		100% Mammals	1.4E-02	6.0E-02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Chromium, hexavalent	Red-Tailed Hawk	3.3E+01		100% Mammals	1.4E-02	3.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Chromium, total	Red-Tailed Hawk	1.3E+02		100% Mammals	1.4E-02	8.2E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Copper	Red-Tailed Hawk	6.0E+01		100% Mammals	1.4E-02	1.4E+01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Lead	Red-Tailed Hawk	2.9E+01		100% Mammals	1.4E-02	4.8E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Mercury	Red-Tailed Hawk	5.0E-01		100% Mammals	1.4E-02	9.6E-02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Thallium	Red-Tailed Hawk	2.4E+00	m	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Zinc	Red-Tailed Hawk	9.8E+01		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Chloro methane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Chloroform	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Methyl acetate	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	4.3E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	2.0E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Isophorone	Red-Tailed Hawk	2.8E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	1.7E-01		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
PAH High molecular weight	Red-Tailed Hawk	2.2E+00		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	m	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Dieldrin	Red-Tailed Hawk	6.7E-03	m	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	m	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	5.1E-01		100% Mammals	1.4E-02	4.0E-02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	6.1E+01		100% Mammals	1.4E-02	5.3E+01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
TEQ Mammals	Red-Tailed Hawk	1.0E+02		100% Mammals	1.4E-02	9.3E+01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Miscellaneous										
Cyanide	Red-Tailed Hawk	2.2E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Inorganics										
Antimony	Desert Kit Fox	1.2E+00		100% Mammals	2.8E-02	6.0E-02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Chromium, hexavalent	Desert Kit Fox	3.3E+01		100% Mammals	2.8E-02	3.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Chromium, total	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	8.2E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Copper	Desert Kit Fox	6.0E+01		100% Mammals	2.8E-02	1.4E+01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Lead	Desert Kit Fox	3.8E+01		100% Mammals	2.8E-02	4.8E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Mercury	Desert Kit Fox	1.4E+00		100% Mammals	2.8E-02	9.6E-02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Thallium	Desert Kit Fox	2.4E+00	m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Zinc	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	2.6E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Chloro methane	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Chloroform	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Methyl acetate	Desert Kit Fox	1.7E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	4.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	2.0E+00	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Isophorone	Desert Kit Fox	2.9E+01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	1.7E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
PAH High molecular weight	Desert Kit Fox	2.2E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Alpha-Chlordane	Desert Kit Fox	1.2E-02	m	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Dieldrin	Desert Kit Fox	6.7E-03	m	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02

Table OCS-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	(kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	m	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	5.1E-01		100% Mammals	2.8E-02	4.0E-02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	7.3E+01		100% Mammals	2.8E-02	5.3E+01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
TEQ Mammals	Desert Kit Fox	1.2E+02		100% Mammals	2.8E-02	9.3E+01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Miscellaneous										
Cyanide	Desert Kit Fox	2.2E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	1.2E+00		100% Plants	3.0E-01	4.6E-02	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	3.3E+01		100% Plants	3.0E-01	1.4E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Chromium, total	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	8.2E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Copper	Nelson's Desert Bighorn Sheep	6.0E+01		100% Plants	3.0E-01	9.8E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Lead	Nelson's Desert Bighorn Sheep	3.8E+01		100% Plants	3.0E-01	2.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Mercury	Nelson's Desert Bighorn Sheep	1.4E+00		100% Plants	3.0E-01	4.4E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00	m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Zinc	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	6.3E+01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	2.0E+00	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.7E-01		100% Plants	3.0E-01	1.2E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.2E+00		100% Plants	3.0E-01	3.9E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	m	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	m	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	m	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.1E-01		100% Plants	3.0E-01	5.1E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	7.3E+01		100% Plants	3.0E-01	4.1E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.2E+02		100% Plants	3.0E-01	6.6E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02

Table OCS-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	4.7E-03	1.3E-03	9.3E-05	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	2.4E-01	3.7E-02	4.3E-03	2.5E+00	2.5E+01	2E-03	2E-04
Chromium, total	Red-Tailed Hawk	--	--	6.5E-01	1.4E-01	1.2E-02	2.7E+00	1.6E+01	5E-03	8E-04
Copper	Red-Tailed Hawk	--	--	1.1E+00	6.7E-02	1.8E-02	4.1E+00	1.2E+01	4E-03	1E-03
Lead	Red-Tailed Hawk	--	--	3.8E-01	3.2E-02	6.4E-03	1.6E+00	3.3E+00	4E-03	2E-03
Mercury	Red-Tailed Hawk	--	--	7.6E-03	5.6E-04	1.3E-04	3.9E-02	1.8E-01	3E-03	7E-04
Thallium	Red-Tailed Hawk	--	--	2.1E-02	2.7E-03	3.7E-04	3.5E-01	3.5E+00	1E-03	1E-04
Zinc	Red-Tailed Hawk	--	--	8.6E+00	1.1E-01	1.3E-01	6.6E+01	1.7E+02	2E-03	8E-04
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	7.4E-06	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	2.2E-03	3.4E-05	1.1E+00	1.1E+01	3E-05	3E-06
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	4.8E-05	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.9E-04	2.9E-06	2.3E+01	2.3E+02	1E-07	1E-08
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	2.5E-03	3.8E-05	1.0E+01	1.0E+02	4E-06	4E-07
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	4.8E-04	2.3E-01	2.3E+00	2E-03	2E-04
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	1.3E-02	2.3E-01	2.3E+00	6E-02	6E-03
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	4.3E-04	2.1E+00	1.1E+01	2E-04	4E-05
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	1.5E-04	7.1E-02	3.8E+00	2E-03	4E-05
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	4.7E-04	2.1E+00	1.1E+01	2E-04	4E-05
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	3.2E-03	5.6E-04	5.8E-05	9.0E-02	1.3E+00	6E-04	5E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	4.2E+00	6.8E-02	6.6E-02	1.4E+01	1.4E+02	5E-03	5E-04
TEQ Mammals	Red-Tailed Hawk	--	--	7.4E+00	1.1E-01	1.2E-01	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	3.8E-06	4.0E-02	4.0E-01	9E-05	9E-06
Inorganics										
Antimony	Desert Kit Fox	--	--	2.1E-03	1.2E-03	4.1E-05	5.9E-02	5.9E-01	7E-04	7E-05
Chromium, hexavalent	Desert Kit Fox	--	--	1.1E-01	3.3E-02	1.8E-03	9.2E+00	3.8E+01	2E-04	5E-05
Chromium, total	Desert Kit Fox	--	--	2.9E-01	2.0E-01	6.1E-03	2.4E+00	9.6E+00	3E-03	6E-04
Copper	Desert Kit Fox	--	--	4.9E-01	5.9E-02	6.9E-03	5.6E+00	9.3E+00	1E-03	7E-04
Lead	Desert Kit Fox	--	--	1.7E-01	3.8E-02	2.6E-03	4.7E+00	8.9E+00	6E-04	3E-04
Mercury	Desert Kit Fox	--	--	3.4E-03	1.4E-03	6.0E-05	2.5E-01	4.0E+00	2E-04	1E-05
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.5E-04	4.8E-01	1.4E+00	3E-04	1E-04
Zinc	Desert Kit Fox	--	--	3.8E+00	1.0E-01	5.0E-02	7.5E+01	3.0E+02	7E-04	2E-04
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	3.2E-07	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.4E-07	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.4E-07	1.5E+01	4.1E+01	9E-09	3E-09
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	2.1E-07	9.0E+01	3.6E+02	2E-09	6E-10
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	5.4E-06	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	2.0E-03	2.5E-05	1.8E+01	1.8E+02	1E-06	1E-07
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	3.6E-04	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	1.7E-04	2.1E-06	6.6E+01	3.3E+02	3E-08	6E-09
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	2.2E-03	2.8E-05	6.2E-01	3.1E+00	5E-05	9E-06
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.7E-04	1.5E-01	7.4E-01	1E-03	2E-04
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	4.7E-03	1.5E-01	7.4E-01	3E-02	6E-03
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.6E-04	4.6E+00	9.2E+00	3E-05	2E-05
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	5.3E-05	1.5E-02	3.0E-02	4E-03	2E-03

Table OCS-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.7E-04	4.6E+00	9.2E+00	4E-05	2E-05
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	1.4E-03	5.0E-04	2.4E-05	3.6E-01	1.3E+00	7E-05	2E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	1.9E+00	7.2E-02	2.4E-02	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	3.3E+00	1.2E-01	4.3E-02	1.0E+00	1.0E+01	4E-02	4E-03
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.7E-06	4.5E+00	1.3E+01	6E-07	2E-07
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	6.4E-04	--	--	4.9E-03	1.7E-04	4.3E-02	4.3E-01	4E-03	4E-04
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	1.9E-02	--	--	1.4E-01	4.7E-03	9.2E+00	3.8E+01	5E-04	1E-04
Chromium, total	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	8.2E-01	2.8E-02	2.4E+00	9.6E+00	1E-02	3E-03
Copper	Nelson's Desert Bighorn Sheep	1.3E-01	--	--	2.5E-01	1.1E-02	5.6E+00	9.3E+00	2E-03	1E-03
Lead	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.6E-01	5.6E-03	3.4E+00	6.4E+00	2E-03	9E-04
Mercury	Nelson's Desert Bighorn Sheep	6.0E-03	--	--	5.6E-03	3.5E-04	1.8E-01	2.9E+00	2E-03	1E-04
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	3.0E-04	3.5E-01	1.0E+00	9E-04	3E-04
Zinc	Nelson's Desert Bighorn Sheep	8.7E-01	--	--	4.3E-01	3.9E-02	7.5E+01	3.0E+02	5E-04	1E-04
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	3.2E-06	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	1.4E-06	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	1.4E-06	1.1E+01	3.0E+01	1E-07	5E-08
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	2.1E-06	6.6E+01	2.6E+02	3E-08	8E-09
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	5.3E-05	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	8.2E-03	2.5E-04	1.2E+01	1.2E+02	2E-05	2E-06
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	3.5E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.6E-03	--	--	7.0E-04	7.0E-05	6.6E+01	3.3E+02	1E-06	2E-07
PAH High molecular weight	Nelson's Desert Bighorn Sheep	5.3E-03	--	--	9.2E-03	4.4E-04	6.2E-01	3.1E+00	7E-04	1E-04
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	8.0E-07	9.7E-02	4.9E-01	8E-06	2E-06
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	1.5E-06	9.7E-02	4.9E-01	2E-05	3E-06
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	2.4E-06	2.9E+00	5.8E+00	8E-07	4E-07
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	2.0E-06	1.0E-02	2.1E-02	2E-04	9E-05
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	2.6E-06	2.9E+00	5.8E+00	9E-07	5E-07
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	6.9E-05	--	--	2.1E-03	6.5E-05	2.3E-01	8.1E-01	3E-04	8E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	5.6E-03	--	--	3.0E-01	9.2E-03	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	9.1E-03	--	--	4.9E-01	1.5E-02	7.3E-01	7.3E+00	2E-02	2E-03
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	2.7E-05	3.3E+00	9.1E+00	8E-06	3E-06

See Notes and Abbreviations following Table OCS-C.8.

Table OCS-C.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Copper	Red-Tailed Hawk	6.0E+01		100% Mammals	1.4E-02	1.4E+01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Lead	Red-Tailed Hawk	2.9E+01		100% Mammals	1.4E-02	4.8E+00	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Mercury	Red-Tailed Hawk	5.0E-01		100% Mammals	1.4E-02	9.6E-02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Zinc	Red-Tailed Hawk	9.8E+01		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	5.1E-01		100% Mammals	1.4E-02	4.0E-02	1.1E+00	7.9E-02	1.1E-03	1.5E-02
Inorganics										
Copper	Desert Kit Fox	6.0E+01		100% Mammals	2.8E-02	1.4E+01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Lead	Desert Kit Fox	3.8E+01		100% Mammals	2.8E-02	4.8E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Mercury	Desert Kit Fox	1.4E+00		100% Mammals	2.8E-02	9.6E-02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Thallium	Desert Kit Fox	2.4E+00	m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Zinc	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	1.7E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
PAH High molecular weight	Desert Kit Fox	2.2E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	5.1E-01		100% Mammals	2.8E-02	4.0E-02	2.0E+00	3.5E-02	9.9E-04	1.3E-02
Inorganics										
Copper	Nelson's Desert Bighorn Sheep	6.0E+01		100% Plants	3.0E-01	9.8E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Lead	Nelson's Desert Bighorn Sheep	3.8E+01		100% Plants	3.0E-01	2.0E+00	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Mercury	Nelson's Desert Bighorn Sheep	1.4E+00		100% Plants	3.0E-01	4.4E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00	m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Zinc	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	6.3E+01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.7E-01		100% Plants	3.0E-01	1.2E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.2E+00		100% Plants	3.0E-01	3.9E-01	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.1E-01		100% Plants	3.0E-01	5.1E-03	6.8E+01	1.4E-02	4.1E-03	3.0E-02

Table OCS-C.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Copper	Red-Tailed Hawk	--	--	1.1E+00	6.7E-02	1.8E-02	2.3E+00	5.2E+01	8E-03	3E-04
Lead	Red-Tailed Hawk	--	--	3.8E-01	3.2E-02	6.4E-03	1.4E-02	8.8E+00	5E-01	7E-04
Mercury	Red-Tailed Hawk	--	--	7.6E-03	5.6E-04	1.3E-04	3.9E-02	1.8E-01	3E-03	7E-04
Zinc	Red-Tailed Hawk	--	--	8.6E+00	1.1E-01	1.3E-01	1.7E+01	1.7E+02	8E-03	8E-04
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	4.8E-04	9.0E-03	1.5E+00	5E-02	3E-04
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	1.3E-02	9.0E-03	6.0E-01	1E+00	2E-02
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	3.2E-03	5.6E-04	5.8E-05	9.0E-02	1.3E+00	6E-04	5E-05
Inorganics										
Copper	Desert Kit Fox	--	--	4.9E-01	5.9E-02	6.9E-03	2.7E+00	6.3E+02	3E-03	1E-05
Lead	Desert Kit Fox	--	--	1.7E-01	3.8E-02	2.6E-03	1.0E+00	2.4E+02	3E-03	1E-05
Mercury	Desert Kit Fox	--	--	3.4E-03	1.4E-03	6.0E-05	2.5E-01	4.0E+00	2E-04	1E-05
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.5E-04	4.8E-01	1.4E+00	3E-04	1E-04
Zinc	Desert Kit Fox	--	--	3.8E+00	1.0E-01	5.0E-02	9.6E+00	4.1E+02	5E-03	1E-04
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	1.7E-04	2.1E-06	5.0E+01	1.5E+02	4E-08	1E-08
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	2.2E-03	2.8E-05	1.3E+00	3.3E+01	2E-05	8E-07
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.7E-04	8.0E-01	1.6E+01	2E-04	1E-05
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	4.7E-03	8.0E-01	1.6E+01	6E-03	3E-04
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	1.4E-03	5.0E-04	2.4E-05	3.6E-01	1.3E+00	7E-05	2E-05
Inorganics										
Copper	Nelson's Desert Bighorn Sheep	1.3E-01	--	--	2.5E-01	1.1E-02	1.7E+00	4.6E+02	7E-03	2E-05
Lead	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.6E-01	5.6E-03	7.3E-01	1.5E+02	8E-03	4E-05
Mercury	Nelson's Desert Bighorn Sheep	6.0E-03	--	--	5.6E-03	3.5E-04	1.8E-01	2.9E+00	2E-03	1E-04
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	3.0E-04	3.5E-01	1.0E+00	9E-04	3E-04
Zinc	Nelson's Desert Bighorn Sheep	8.7E-01	--	--	4.3E-01	3.9E-02	6.0E+00	3.0E+02	6E-03	1E-04
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.6E-03	--	--	7.0E-04	7.0E-05	3.6E+01	1.1E+02	2E-06	6E-07
PAH High molecular weight	Nelson's Desert Bighorn Sheep	5.3E-03	--	--	9.2E-03	4.4E-04	8.2E-01	2.1E+01	5E-04	2E-05
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	8.0E-07	5.8E-01	1.2E+01	1E-06	7E-08
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	1.5E-06	5.8E-01	1.2E+01	3E-06	1E-07
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	6.9E-05	--	--	2.1E-03	6.5E-05	2.3E-01	8.1E-01	3E-04	8E-05

See Notes and Abbreviations following Table OCS-C.8.

Table OCS-C Table Notes
Notes for Terrestrial Wildlife Risk Calculations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Dioxin presented in ng/kg.

[b] Total dose equation is presented below:

Total Dose (mg/kg-day) = $[(EPC_{soil} \times SIR) + (C_{plants} \times FIR \times F_{plants}) + (C_{insects} \times FIR \times F_{insects}) + (C_{mammals} \times FIR \times F_{mammals})] \times SUF$

[c] HQ = Total Dose / TRV

Abbreviations:

AOC = area of concern
BTAG = Biological Technical Assistance Group
COPEC = constituent of potential ecological concern
dw = dry weight
EPC_{soil} = exposure point concentration in soil (mg/kg dw)
EPC_{plants} = exposure point concentration in plants (mg/kg dw)
$EPC_{insects}$ = exposure point concentration in insects (mg/kg dw)
$EPC_{mammals}$ = exposure point concentration in mammals (mg/kg dw)
F_{plants} = fraction of plants in diet
$F_{insects}$ = fraction of insects in diet
$F_{mammals}$ = fraction of mammals in diet
FIR = food ingestion rate (kg dw/kg bw-day)
HQ = hazard quotient (unitless)
kg = kilogram
kg dw/kg bw-day = kilograms per kilogram of body weight per day
LOAEL = lowest observed adverse effect level (mg/kg-day)
m = maximum detected concentration
mg/kg = milligrams per kilogram
mg/kg-day = milligrams per kilogram per day
ND = not detected
ng/kg = nanograms per kilogram
NOAEL = no observed adverse effect level (mg/kg-day)
SIR = soil ingestion rate (kg dw/kg bw-day)
SUF = site use factor (fraction)
TRV = toxicity reference value (mg/kg-day)
OCS = Outside Compressor Station

ATTACHMENT D

Dose and Risk Calculations for Ecological Receptors at OCS Using Maximum Depth-Weighted EPCs

Attachment OCS-D
Dose and Risk Calculations for Ecological Receptors at OCS Using Maximum Depth-Weighted EPCs

Table OCS-D.1	Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for Outside Compressor Station
Table OCS-D.2	Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for Outside Compressor Station
Table OCS-D.3	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for Outside Compressor Station
Table OCS-D.4	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for Outside Compressor Station
Table OCS-D Table Notes	Notes for Terrestrial Wildlife Risk Calculations

Table OCS-D.1
Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Inorganics								
Antimony	mg/kg	1.80E+01	**1.90E+01**	1.00E+01	5.93E-01	**6.24E-01**	3.42E-01	9.00E-01
Chromium, hexavalent	mg/kg	**2.70E+03**	1.80E+03	9.08E+02	**1.11E+02**	7.38E+01	3.72E+01	7.65E+01
Chromium, total	mg/kg	2.80E+03	4.00E+03	**4.40E+03**	1.15E+02	1.64E+02	**1.80E+02**	7.86E+01
Copper	mg/kg	**3.10E+03**	2.07E+03	1.04E+03	**4.63E+01**	3.95E+01	3.01E+01	2.46E+01
Cyanide	mg/kg	**2.20E-01**	**2.20E-01**	**2.20E-01**	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Lead	mg/kg	9.20E+02	**1.60E+03**	8.03E+02	1.22E+01	**1.66E+01**	1.13E+01	2.21E+01
Mercury	mg/kg	3.50E+01	6.03E+01	**1.02E+02**	2.56E+00	3.44E+00	**4.57E+00**	6.72E+00
Thallium	mg/kg	2.40E+00	**6.10E+00**	**6.10E+00**	9.60E-03	**2.44E-02**	**2.44E-02**	2.69E-01
Zinc	mg/kg	1.20E+03	**2.00E+03**	1.02E+03	2.45E+02	**3.26E+02**	2.24E+02	1.30E+02
Volatile Organic Compounds								
Bromomethane	mg/kg	--	**2.60E-02**	2.35E-02	--	**0.00E+00**	**0.00E+00**	--
Chloro methane	mg/kg	--	**1.10E-02**	1.01E-02	--	**0.00E+00**	**0.00E+00**	--
Chloroform	mg/kg	--	**1.10E-02**	9.89E-03	--	**0.00E+00**	**0.00E+00**	--
Methyl acetate	mg/kg	--	**1.70E-02**	**1.70E-02**	--	**0.00E+00**	**0.00E+00**	--
Semi-Volatile Organic Compounds								
4-Methylphenol	mg/kg	**4.30E-01**	3.45E-01	3.13E-01	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Bis (2-ethylhexyl) phthalate	mg/kg	**2.00E+00**	**2.00E+00**	**2.00E+00**	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Isophorone	mg/kg	2.80E+00	**2.86E+01**	2.83E+01	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Polycyclic Aromatic Hydrocarbons								
PAH Low molecular weight	mg/kg	**3.88E+00**	2.60E+00	1.34E+00	**4.94E-01**	4.12E-01	3.05E-01	0.00E+00
PAH High molecular weight	mg/kg	**3.29E+01**	2.29E+01	1.34E+01	**4.98E+00**	3.53E+00	2.13E+00	0.00E+00
Pesticides								
4,4-DDT	mg/kg	**3.00E-03**	**3.00E-03**	**3.00E-03**	**1.03E-03**	**1.03E-03**	**1.03E-03**	3.90E-01
4,4-DDE	mg/kg	**6.10E-03**	**6.10E-03**	**6.10E-03**	**1.75E-03**	**1.75E-03**	**1.75E-03**	1.05E+01
Alpha-Chlordane	mg/kg	**1.20E-02**	**1.20E-02**	**1.20E-02**	**2.28E-03**	**2.28E-03**	**2.28E-03**	3.50E-01
Dieldrin	mg/kg	**6.70E-03**	**6.70E-03**	**6.70E-03**	**2.75E-03**	**2.75E-03**	**2.75E-03**	1.18E-01
Gamma-Chlordane	mg/kg	**1.30E-02**	**1.30E-02**	**1.30E-02**	**2.47E-03**	**2.47E-03**	**2.47E-03**	3.79E-01

Table OCS-D.1
Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Polychlorinated Biphenyls								
Total PCBs	mg/kg	**6.28E+00**	**6.28E+00**	**6.28E+00**	**6.28E-02**	**6.28E-02**	**6.28E-02**	1.25E+00
Dioxins								
TEQ Avian	ng/kg	**1.10E+04**	7.34E+03	3.67E+03	**6.16E+01**	4.11E+01	2.06E+01	1.58E+04
TEQ Mammals	ng/kg	**1.20E+04**	8.00E+03	4.01E+03	**6.72E+01**	4.48E+01	2.25E+01	1.74E+04
2,3,7,8-TCDD	ng/kg	**6.70E+01**	4.47E+01	2.24E+01	**--**	**--**	**--**	--

Notes:

[a] Calculated using selected soil EPC and uptake model. See Section 6 of the main report.

[b] Biota EPCs equal to 0.0 indicate no bioaccumulation from soil.

Bold indicates EPC selected to estimate plant uptake from soil (maximum of surface, shallow, and subsurface l soil).

Abbreviations:

-- = soil EPC or uptake model not available, biota EPCs could not be estimated.
AOC = area of concern
EPC = exposure point concentration
ft bgs = feet below ground surface
m = maximum depth-weighted concentration
mg/kg = milligrams per kilogram
nd = not detected in this depth interval
ng/kg = nanograms per kilogram
OCS = Outside Compressor Station

Table OCS-D.2
Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	9E-01	9E-02	**2E+00**	2E-01	--	--	--	--	--	--
Chromium, hexavalent	**4E+00**	4E-01	6E-01	1E-01	1E+00	3E-01	--	--	--	--	--	--
Chromium, total	**4E+00**	6E-01	**3E+00**	7E-01	**9E+00**	**2E+00**	--	--	--	--	--	--
Copper	1E+00	4E-01	7E-01	4E-01	**2E+00**	1E+00	**2E+00**	1E-01	1E+00	6E-03	**8E+00**	3E-02
Cyanide	6E-03	6E-04	5E-05	2E-05	3E-04	1E-04	--	--	--	--	--	--
Lead	**2E+00**	8E-01	5E-01	3E-01	**2E+00**	1E+00	**2E+02**	3E-01	**2E+00**	1E-02	**9E+00**	4E-02
Mercury	**1E+01**	**3E+00**	1E+00	8E-02	**3E+00**	2E-01	**1E+01**	**3E+00**	1E+00	8E-02	**3E+00**	2E-01
Thallium	7E-02	7E-03	3E-02	1E-02	7E-02	2E-02	--	--	3E-02	1E-02	7E-02	2E-02
Zinc	2E-01	7E-02	9E-02	2E-02	2E-01	4E-02	7E-01	7E-02	7E-01	2E-02	**2E+00**	4E-02
Volatile Organic Compounds												
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	7E-07	3E-07	4E-06	2E-06	--	--	--	--	--	--
Methyl acetate	--	--	2E-07	5E-08	1E-06	3E-07	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phtl	2E-03	2E-04	1E-04	1E-05	7E-04	7E-05	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	2E-04	2E-05	6E-05	1E-05	3E-04	7E-05	--	--	8E-05	3E-05	6E-04	2E-04
PAH High molecular weight	4E-03	4E-04	5E-02	1E-02	3E-01	7E-02	--	--	2E-02	1E-03	2E-01	1E-02
Pesticides												
4,4-DDT	1E-01	1E-02	9E-02	2E-02	3E-04	5E-05	**3E+00**	2E-02	2E-02	9E-04	5E-05	2E-06
4,4-DDE	**4E+00**	4E-01	**3E+00**	5E-01	5E-04	1E-04	**9E+01**	1E+00	5E-01	2E-02	8E-05	4E-06
Alpha-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	1E-05	--	--	--	--	--	--
Dieldrin	1E-01	2E-03	3E-01	1E-01	6E-03	3E-03	--	--	--	--	--	--
Gamma-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	2E-05	--	--	--	--	--	--

Table OCS-D.2
Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
Polychlorinated Biphenyls												
Total PCBs	1E+00	8E-02	1E-01	4E-02	1E-01	3E-02	1E+00	8E-02	1E-01	4E-02	1E-01	3E-02
Dioxins												
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	**9E+01**	**9E+00**	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	**6E+02**	**6E+01**	**7E+01**	**7E+00**	--	--	--	--	--	--

Notes:

	NOAEL HQ greater than 1
	LOAEL HQ greater than 1
	LOAEL HQ greater than 10
	LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
OCS = Outside Compressor Station
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table OCS-D.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Antimony	Red-Tailed Hawk	1.8E+01	100% Mammals	1.4E-02	9.0E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	2.7E+03	100% Mammals	1.4E-02	7.7E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	2.8E+03	100% Mammals	1.4E-02	7.9E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	3.1E+03	100% Mammals	1.4E-02	2.5E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	9.2E+02	100% Mammals	1.4E-02	2.2E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	6.7E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	2.4E+00	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	1.2E+03	100% Mammals	1.4E-02	1.3E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds									
Bromomethane	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloro methane	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloroform	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Methyl acetate	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Red-Tailed Hawk	4.3E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	2.0E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Isophorone	Red-Tailed Hawk	2.8E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Red-Tailed Hawk	3.9E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	3.3E+01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides									
4,4-DDT	Red-Tailed Hawk	3.0E-03	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dieldrin	Red-Tailed Hawk	6.7E-03	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	6.3E+00	100% Mammals	1.4E-02	1.2E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Red-Tailed Hawk	1.1E+04	100% Mammals	1.4E-02	1.6E+04	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	1.2E+04	100% Mammals	1.4E-02	1.7E+04	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Miscellaneous									
Cyanide	Red-Tailed Hawk	2.2E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Antimony	Desert Kit Fox	1.9E+01	100% Mammals	2.8E-02	9.0E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	2.7E+03	100% Mammals	2.8E-02	7.7E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	4.4E+03	100% Mammals	2.8E-02	7.9E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	3.1E+03	100% Mammals	2.8E-02	2.5E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	1.6E+03	100% Mammals	2.8E-02	2.2E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	1.0E+02	100% Mammals	2.8E-02	6.7E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	6.1E+00	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	2.0E+03	100% Mammals	2.8E-02	1.3E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds									
Bromomethane	Desert Kit Fox	2.6E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloro methane	Desert Kit Fox	1.1E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloroform	Desert Kit Fox	1.1E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Methyl acetate	Desert Kit Fox	1.7E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Desert Kit Fox	4.3E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	2.0E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Isophorone	Desert Kit Fox	2.9E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	3.9E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	3.3E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides									
4,4-DDT	Desert Kit Fox	3.0E-03	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Alpha-Chlordane	Desert Kit Fox	1.2E-02	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dieldrin	Desert Kit Fox	6.7E-03	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table OCS-D.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	6.3E+00	100% Mammals	2.8E-02	1.2E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Desert Kit Fox	1.1E+04	100% Mammals	2.8E-02	1.6E+04	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	1.2E+04	100% Mammals	2.8E-02	1.7E+04	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Miscellaneous									
Cyanide	Desert Kit Fox	2.2E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Antimony	Nelson's Desert Bighorn Sheep	1.9E+01	100% Plants	3.0E-01	6.2E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	2.7E+03	100% Plants	3.0E-01	1.1E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	4.4E+03	100% Plants	3.0E-01	1.8E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	3.1E+03	100% Plants	3.0E-01	4.6E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	1.6E+03	100% Plants	3.0E-01	1.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	1.0E+02	100% Plants	3.0E-01	4.6E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	6.1E+00	100% Plants	3.0E-01	2.4E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	2.0E+03	100% Plants	3.0E-01	3.3E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds									
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	2.0E+00	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.9E+00	100% Plants	3.0E-01	4.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	3.3E+01	100% Plants	3.0E-01	5.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides									
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	6.3E+00	100% Plants	3.0E-01	6.3E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Nelson's Desert Bighorn Sheep	1.1E+04	100% Plants	3.0E-01	6.2E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.2E+04	100% Plants	3.0E-01	6.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Miscellaneous									
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCS-D.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	7.1E-02	2.0E-02	9.1E-02	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	6.1E+00	3.0E+00	9.1E+00	2.5E+00	2.5E+01	**4E+00**	4E-01
Chromium, total	Red-Tailed Hawk	--	--	6.2E+00	3.1E+00	9.3E+00	2.7E+00	1.6E+01	**4E+00**	6E-01
Copper	Red-Tailed Hawk	--	--	2.0E+00	3.4E+00	5.4E+00	4.1E+00	1.2E+01	1E+00	4E-01
Lead	Red-Tailed Hawk	--	--	1.7E+00	1.0E+00	2.8E+00	1.6E+00	3.3E+00	**2E+00**	8E-01
Mercury	Red-Tailed Hawk	--	--	5.3E-01	3.9E-02	5.7E-01	3.9E-02	1.8E-01	**1E+01**	**3E+00**
Thallium	Red-Tailed Hawk	--	--	2.1E-02	2.7E-03	2.4E-02	3.5E-01	3.5E+00	7E-02	7E-03
Zinc	Red-Tailed Hawk	--	--	1.0E+01	1.3E+00	1.2E+01	6.6E+01	1.7E+02	2E-01	7E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	4.8E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	2.2E-03	2.2E-03	1.1E+00	1.1E+01	2E-03	2E-04
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	3.1E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.3E-03	4.3E-03	2.3E+01	2.3E+02	2E-04	2E-05
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.7E-02	3.7E-02	1.0E+01	1.0E+02	4E-03	4E-04
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	2.3E-01	2.3E+00	1E-01	1E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	2.3E-01	2.3E+00	**4E+00**	4E-01
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.8E-02	2.1E+00	1.1E+01	1E-02	3E-03
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	9.4E-03	7.1E-02	3.8E+00	1E-01	2E-03
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	3.0E-02	2.1E+00	1.1E+01	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	9.9E-02	7.0E-03	1.1E-01	9.0E-02	1.3E+00	1E+00	8E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.3E+03	1.2E+01	1.3E+03	1.4E+01	1.4E+02	**9E+01**	**9E+00**
TEQ Mammals	Red-Tailed Hawk	--	--	1.4E+03	1.3E+01	1.4E+03	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	2.4E-04	4.0E-02	4.0E-01	6E-03	6E-04
Inorganics										
Antimony	Desert Kit Fox	--	--	3.2E-02	1.9E-02	5.1E-02	5.9E-02	5.9E-01	9E-01	9E-02
Chromium, hexavalent	Desert Kit Fox	--	--	2.7E+00	2.7E+00	5.4E+00	9.2E+00	3.8E+01	6E-01	1E-01
Chromium, total	Desert Kit Fox	--	--	2.8E+00	4.4E+00	7.1E+00	2.4E+00	9.6E+00	**3E+00**	7E-01
Copper	Desert Kit Fox	--	--	8.7E-01	3.1E+00	3.9E+00	5.6E+00	9.3E+00	7E-01	4E-01
Lead	Desert Kit Fox	--	--	7.8E-01	1.6E+00	2.4E+00	4.7E+00	8.9E+00	5E-01	3E-01
Mercury	Desert Kit Fox	--	--	2.4E-01	1.0E-01	3.4E-01	2.5E-01	4.0E+00	1E+00	8E-02
Thallium	Desert Kit Fox	--	--	9.5E-03	6.0E-03	1.6E-02	4.8E-01	1.4E+00	3E-02	1E-02
Zinc	Desert Kit Fox	--	--	4.6E+00	2.0E+00	6.6E+00	7.5E+01	3.0E+02	9E-02	2E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	2.6E-05	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	1.5E+01	4.1E+01	7E-07	3E-07
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.7E-05	9.0E+01	3.6E+02	2E-07	5E-08
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	4.3E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	2.0E-03	2.0E-03	1.8E+01	1.8E+02	1E-04	1E-05
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	2.8E-02	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.8E-03	3.8E-03	6.6E+01	3.3E+02	6E-05	1E-05
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	3.3E-02	3.3E-02	6.2E-01	3.1E+00	5E-02	1E-02
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	1.5E-01	7.4E-01	9E-02	2E-02
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	1.5E-01	7.4E-01	**3E+00**	5E-01
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.2E-02	4.6E+00	9.2E+00	3E-03	1E-03
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	4.2E-03	1.5E-02	3.0E-02	3E-01	1E-01

Table OCS-D.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.3E-02	4.6E+00	9.2E+00	3E-03	1E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	4.4E-02	6.2E-03	5.0E-02	3.6E-01	1.3E+00	1E-01	4E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	5.6E+02	1.1E+01	5.7E+02	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	6.2E+02	1.2E+01	6.3E+02	1.0E+00	1.0E+01	**6E+02**	**6E+01**
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.2E-04	4.5E+00	1.3E+01	5E-05	2E-05
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	8.6E-03	--	--	7.8E-02	8.7E-02	4.3E-02	4.3E-01	**2E+00**	2E-01
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	1.5E+00	--	--	1.1E+01	1.3E+01	9.2E+00	3.8E+01	1E+00	3E-01
Chromium, total	Nelson's Desert Bighorn Sheep	2.5E+00	--	--	1.8E+01	2.1E+01	2.4E+00	9.6E+00	**9E+00**	**2E+00**
Copper	Nelson's Desert Bighorn Sheep	6.4E-01	--	--	1.3E+01	1.3E+01	5.6E+00	9.3E+00	**2E+00**	1E+00
Lead	Nelson's Desert Bighorn Sheep	2.3E-01	--	--	6.6E+00	6.8E+00	3.4E+00	6.4E+00	**2E+00**	1E+00
Mercury	Nelson's Desert Bighorn Sheep	6.3E-02	--	--	4.2E-01	4.8E-01	1.8E-01	2.9E+00	**3E+00**	2E-01
Thallium	Nelson's Desert Bighorn Sheep	3.3E-04	--	--	2.5E-02	2.5E-02	3.5E-01	1.0E+00	7E-02	2E-02
Zinc	Nelson's Desert Bighorn Sheep	4.5E+00	--	--	8.2E+00	1.3E+01	7.5E+01	3.0E+02	2E-01	4E-02
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.1E-04	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	1.1E+01	3.0E+01	4E-06	2E-06
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	7.0E-05	6.6E+01	2.6E+02	1E-06	3E-07
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	1.8E-03	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	8.2E-03	8.2E-03	1.2E+01	1.2E+02	7E-04	7E-05
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.2E-01	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	6.8E-03	--	--	1.6E-02	2.3E-02	6.6E+01	3.3E+02	3E-04	7E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	6.8E-02	--	--	1.4E-01	2.0E-01	6.2E-01	3.1E+00	3E-01	7E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	9.7E-02	4.9E-01	3E-04	5E-05
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	9.7E-02	4.9E-01	5E-04	1E-04
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	8.1E-05	2.9E+00	5.8E+00	3E-05	1E-05
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	6.5E-05	1.0E-02	2.1E-02	6E-03	3E-03
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	8.7E-05	2.9E+00	5.8E+00	3E-05	2E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	8.6E-04	--	--	2.6E-02	2.7E-02	2.3E-01	8.1E-01	1E-01	3E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	8.5E-01	--	--	4.5E+01	4.6E+01	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	9.2E-01	--	--	4.9E+01	5.0E+01	7.3E-01	7.3E+00	**7E+01**	**7E+00**
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	9.1E-04	3.3E+00	9.1E+00	3E-04	1E-04

See Notes and Abbreviations following Table OCS-D.4.

Table OCS-D.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Copper	Red-Tailed Hawk	3.1E+03	100% Mammals	1.4E-02	2.5E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	9.2E+02	100% Mammals	1.4E-02	2.2E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	6.7E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	1.2E+03	100% Mammals	1.4E-02	1.3E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides									
4,4-DDT	Red-Tailed Hawk	3.0E-03	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	6.3E+00	100% Mammals	1.4E-02	1.2E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Copper	Desert Kit Fox	3.1E+03	100% Mammals	2.8E-02	2.5E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	1.6E+03	100% Mammals	2.8E-02	2.2E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	1.0E+02	100% Mammals	2.8E-02	6.7E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	6.1E+00	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	2.0E+03	100% Mammals	2.8E-02	1.3E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	3.9E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	3.3E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides									
4,4-DDT	Desert Kit Fox	3.0E-03	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	6.3E+00	100% Mammals	2.8E-02	1.2E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Copper	Nelson's Desert Bighorn Sheep	3.1E+03	100% Plants	3.0E-01	4.6E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	1.6E+03	100% Plants	3.0E-01	1.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	1.0E+02	100% Plants	3.0E-01	4.6E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	6.1E+00	100% Plants	3.0E-01	2.4E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	2.0E+03	100% Plants	3.0E-01	3.3E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.9E+00	100% Plants	3.0E-01	4.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	3.3E+01	100% Plants	3.0E-01	5.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides									
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	6.3E+00	100% Plants	3.0E-01	6.3E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCS-D.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Copper	Red-Tailed Hawk	--	--	2.0E+00	3.4E+00	5.4E+00	2.3E+00	5.2E+01	**2E+00**	1E-01
Lead	Red-Tailed Hawk	--	--	1.7E+00	1.0E+00	2.8E+00	1.4E-02	8.8E+00	**2E+02**	3E-01
Mercury	Red-Tailed Hawk	--	--	5.3E-01	3.9E-02	5.7E-01	3.9E-02	1.8E-01	**1E+01**	**3E+00**
Zinc	Red-Tailed Hawk	--	--	1.0E+01	1.3E+00	1.2E+01	1.7E+01	1.7E+02	7E-01	7E-02
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	9.0E-03	1.5E+00	**3E+00**	2E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	9.0E-03	6.0E-01	**9E+01**	1E+00
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	9.9E-02	7.0E-03	1.1E-01	9.0E-02	1.3E+00	1E+00	8E-02
Inorganics										
Copper	Desert Kit Fox	--	--	8.7E-01	3.1E+00	3.9E+00	2.7E+00	6.3E+02	1E+00	6E-03
Lead	Desert Kit Fox	--	--	7.8E-01	1.6E+00	2.4E+00	1.0E+00	2.4E+02	**2E+00**	1E-02
Mercury	Desert Kit Fox	--	--	2.4E-01	1.0E-01	3.4E-01	2.5E-01	4.0E+00	1E+00	8E-02
Thallium	Desert Kit Fox	--	--	9.5E-03	6.0E-03	1.6E-02	4.8E-01	1.4E+00	3E-02	1E-02
Zinc	Desert Kit Fox	--	--	4.6E+00	2.0E+00	6.6E+00	9.6E+00	4.1E+02	7E-01	2E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.8E-03	3.8E-03	5.0E+01	1.5E+02	8E-05	3E-05
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	3.3E-02	3.3E-02	1.3E+00	3.3E+01	2E-02	1E-03
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	8.0E-01	1.6E+01	2E-02	9E-04
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	8.0E-01	1.6E+01	5E-01	2E-02
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	4.4E-02	6.2E-03	5.0E-02	3.6E-01	1.3E+00	1E-01	4E-02
Inorganics										
Copper	Nelson's Desert Bighorn Sheep	6.4E-01	--	--	1.3E+01	1.3E+01	1.7E+00	4.6E+02	**8E+00**	3E-02
Lead	Nelson's Desert Bighorn Sheep	2.3E-01	--	--	6.6E+00	6.8E+00	7.3E-01	1.5E+02	**9E+00**	4E-02
Mercury	Nelson's Desert Bighorn Sheep	6.3E-02	--	--	4.2E-01	4.8E-01	1.8E-01	2.9E+00	**3E+00**	2E-01
Thallium	Nelson's Desert Bighorn Sheep	3.3E-04	--	--	2.5E-02	2.5E-02	3.5E-01	1.0E+00	7E-02	2E-02
Zinc	Nelson's Desert Bighorn Sheep	4.5E+00	--	--	8.2E+00	1.3E+01	6.0E+00	3.0E+02	**2E+00**	4E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	6.8E-03	--	--	1.6E-02	2.3E-02	3.6E+01	1.1E+02	6E-04	2E-04
PAH High molecular weight	Nelson's Desert Bighorn Sheep	6.8E-02	--	--	1.4E-01	2.0E-01	8.2E-01	2.1E+01	2E-01	1E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	5.8E-01	1.2E+01	5E-05	2E-06
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	5.8E-01	1.2E+01	8E-05	4E-06
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	8.6E-04	--	--	2.6E-02	2.7E-02	2.3E-01	8.1E-01	1E-01	3E-02

See Notes and Abbreviations following Table OCS-D.4.

Table OCS-D Table Notes
Notes for Terrestrial Wildlife Risk Calculations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Dioxin presented in ng/kg.

[b] Total dose equation is presented below:

Total Dose (mg/kg-day) = $[(EPC_{soil} \times SIR) + (C_{plants} \times FIR \times F_{plants}) + (C_{insects} \times FIR \times F_{insects}) + (C_{mammals} \times FIR \times F_{mammals})] \times SUF$

[c] HQ = Total Dose / TRV

Abbreviations:

AOC = area of concern
BTAG = Biological Technical Assistance Group
COPEC = constituent of potential ecological concern
dw = dry weight
EPC_{soil} = exposure point concentration in soil (mg/kg dw)
EPC_{plants} = exposure point concentration in plants (mg/kg dw)
$EPC_{insects}$ = exposure point concentration in insects (mg/kg dw)
$EPC_{mammals}$ = exposure point concentration in mammals (mg/kg dw)
F_{plants} = fraction of plants in diet
$F_{insects}$ = fraction of insects in diet
$F_{mammals}$ = fraction of mammals in diet
FIR = food ingestion rate (kg dw/kg bw-day)
HQ = hazard quotient (unitless)
kg = kilogram
kg dw/kg bw-day = kilograms per kilogram of body weight per day
LOAEL = lowest observed adverse effect level (mg/kg-day)
m = maximum detected concentration
mg/kg = milligrams per kilogram
mg/kg-day = milligrams per kilogram per day
ND = not detected
ng/kg = nanograms per kilogram
NOAEL = no observed adverse effect level (mg/kg-day)
OCS = Outside Compressor Station
SIR = soil ingestion rate (kg dw/kg bw-day)
SUF = site use factor (fraction)
TRV = toxicity reference value (mg/kg-day)

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Appendix OCSxBCW
Soil HHERA for Outside the Compressor Station Excluding Bat Cave Wash Exposure Area

ARCADIS Design & Consultancy for natural and built assets

Pacific Gas and Electric Company

APPENDIX OCSxBCW SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH EXPOSURE AREA

Topock Compressor Station
Needles, California

October 2019

APPENDIX OCSxBCW
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH EXPOSURE AREA

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OCSxBCW-2.1c Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

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OCSxBCW-4.2c Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

OCSxBCW-4.2d Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

OCSxBCW-4.2e Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

OCSxBCW-4.2f Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

OCSxBCW-4.2g Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

OCSxBCW-4.2h Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

OCSxBCW-4.3a Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Long-Term Maintenance Worker: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

APPENDIX OCSxBCW
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH EXPOSURE AREA

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OCSxBCW-4.3e Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

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FIGURE

OCSxBCW-1.1 Soil Sampling Locations for Outside the Compressor Station Excluding Bat Cave Wash

ATTACHMENTS

A Dataset and Exposure Point Concentration Calculations for the OCS Excluding BCW HHRA

B Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at OCS Excluding BCW Using Depth-Weighted EPCs and Area-Weighted EPCs

ACRONYMS AND ABBREVIATIONS

µg/dL	microgram per deciliter
AOC	area of concern
Arcadis U.S., Inc.	Arcadis
B(a)PEQ	benzo(a)pyrene equivalent
BCW	Bat Cave Wash
bgs	below ground surface
CDI	chronic daily intake
COPC	constituent of potential concern
CrVI	hexavalent chromium
DTSC	Department of Toxic Substances Control (California)
EC	exposure concentration
EPC	exposure point concentration
ft	foot/feet
HHERA	human health and ecological risk assessment
HHRA	human health risk assessment
HI	hazard index
ILCR	incremental lifetime cancer risk
main report	Soil Human Health and Ecological Risk Assessment Report
NA	not applicable
OCS	outside the compressor station
OEHHA	Office of Environmental Health Hazard Assessment (California)
OHV	off-highway vehicle
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
RAWP	Human Health and Ecological Risk Assessment Work Plan
SWMU	solid waste management unit
SVOC	semi-volatile organic compound
TCS	Topock Compressor Station
TEQ	toxicity equivalent

TEQ human	dioxin toxicity equivalents for humans
TPH	total petroleum hydrocarbon
UA	undesignated area
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1 INTRODUCTION

This appendix presents the human health and ecological risk assessment (HHERA) for the combined areas of concern (AOCs) potential soil exposure area located outside the Topock Compressor Station (TCS) in Needles, California, excluding Bat Cave Wash (BCW). The AOCs evaluated in this appendix consist of combined AOCs 4, 9, 10, 11, 12, 14, 27, 28 (a, b, c), 31, and Undesignated Area (UA) 2. This combination of AOCs outside the compressor station (OCS) excluding BCW comprises the potential exposure area evaluated in this appendix. This potential exposure area will be referred to as the OCSxBCW potential exposure area.

The OCSxBCW potential exposure area is shown on Figure OCSxBCW-1.1, is approximately 20 acres in total, and includes sample locations shown in Table OCSxBCW-1.1. Per the final Human Health and Ecological Risk Assessment Work Plan (RAWP) documents (Arcadis U.S., Inc. [Arcadis] 2008, 2009, 2015), the OCSxBCW potential exposure area was not identified as a potential exposure area for ecological receptors; therefore, an ecological risk assessment was not conducted for this appendix. Available soil data from the OCSxBCW potential exposure area were used to conduct a quantitative forward human health risk assessment (HHRA) as presented herein. A summary of the HHRA results are presented in Section 5 of the Soil Human Health and Ecological Risk Assessment Report for the TCS (the “main report”).

Descriptions of the physical location and characteristics of the OCS, which includes the BCW potential exposure area, and the HHRA methodologies are provided in the main report and the final RAWP documents (Arcadis 2008, 2009, 2015) and are not repeated in this appendix. Discussions of the historical uses and sampling and analysis are presented in the main report as well.

This appendix summarizes site use, data evaluation, potential receptors, potential exposure pathways, and the results of the HHRA risk characterization for soil in the OCSxBCW potential exposure area. Tables and figures specific to the OCSxBCW HHRA are also presented in this appendix.

1.1 Summary of Site Use

The summary of site use for the individual AOCs in the OCS potential exposure area is provided in Section 2 of the main report and the individual AOC/UA exposure area-specific appendices for AOCs 4, 9, 10, 11, 12, 14, 27, 28 (a, b, c), 31, and UA-2 and are not repeated in this appendix.

2 DATA EVALUATION AND COPC SELECTION

This section summarizes the data considered for the OCSxBCW HHRA and presents the constituents of potential concern (COPCs) for human health selected for this potential exposure area.

All soil sampling locations at the OCSxBCW potential exposure area are presented on Figure OCSxBCW-1.1 and in Table OCSxBCW-1.1. The data were evaluated based on the methodology described in the RAWP documents (Arcadis 2008, 2009, 2015) and in the main report. Details of the soil sampling and analysis will be presented in the forthcoming Remedial Facility Investigation/Remedial Investigation Report being prepared by Jacobs. For the baseline scenario, only soil data from 0 to 10 feet (ft) below ground surface (bgs) were included in the HHRA. Because potential soil contact does not extend below 10 ft bgs, deeper soil data (i.e., greater than 10 ft bgs) were excluded from the risk evaluation, as noted in Table OCSxBCW-1.1.

Following the steps outlined in Section 3 of the main report, soil data considered usable for the risk assessment were identified and used in the quantitative HHRA. All available soil data for the OCSxBCW potential exposure area are presented in Attachment OCSxBCW-A1, which includes samples collected from AOCs 4, 9, 10, 11, 12, 14, 27, 28 (a, b, c, d), 31, and UA-2. The soil data for these AOCs and their inclusion in the OCS potential exposure area are discussed in detailed in the OCS human health and ecological risk assessment (HHERA; Appendix OCS) and not repeated in this appendix.

For the OCSxBCW potential exposure area, soil data are available from 901 samples, of which soil data from 849 samples from 0 to 10 ft bgs were considered for use in the HHRA. Because potential soil contact does not extend below 10 ft bgs, deeper soil data (i.e., greater than 10 ft bgs) from 52 samples were excluded from the HHRA as noted in Table OCSxBCW-1.1.

Data processed for the HHRA (e.g., calculation of total concentrations for benzo[a]pyrene equivalent [B(a)PEQ], polychlorinated biphenyls [PCBs], and dioxin/furan toxicity equivalents [TEQ]) are described in detail in Section 3 of the main report.

The process for identifying COPCs included in the HHRA is detailed in Section 3.4 of the main report. COPCs selected for the OCS potential exposure area (Appendix OCS) were also selected as COPCs for the OCSxBCW potential exposure area to ensure that risk estimates for the two exposure areas are directly comparable. Soil data encompassing all relevant exposure depths for the HHRA (i.e., 0 to 10 ft bgs for all AOCs included in the OCSxBCW potential exposure area) are presented in Attachment OCSxBCW-A1. Metals, B(a)PEQ, and dioxin TEQ were above background levels in the OCS potential exposure area soil and, therefore, are conservatively included as COPCs in the baseline OCSxBCW HHRA. Carcinogenic polycyclic aromatic hydrocarbon (PAHs; i.e., benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenzo[a,h]anthracene, chrysene, and indeno[1,2,3-cd]pyrene) associated with B(a)PEQ are also selected as COPCs in the HHRA for the evaluation of the noncancer endpoint for each individual PAH. All other detected organic constituents in the OCSxBCW potential exposure area soil in the baseline scenario are included as COPCs in the HHRA. COPCs selected for exposure depths and scenarios evaluated in the OCSxBCW HHRA are summarized in Tables OCSxBCW-2.1a through OCSxBCW-2.1d. The selected COPCs are discussed further in Section 4.

3 EXPOSURE POINT CONCENTRATIONS

Depth-weighted and area-weighted exposure point concentrations (EPCs) for COPCs in soil at the OCSxBCW potential exposure area were calculated as described in Section 4.2 of the main report. For this exposure area, one scenario was evaluated: Baseline (no scouring).

The following exposure depths were evaluated:

1. Surface soil (0 to 0.5 ft bgs)
2. Shallow soil (0 to 3 ft bgs)
3. Subsurface I soil (0 to 6 ft bgs)
4. Subsurface II soil (0 to 10 ft bgs).

The scouring scenarios were evaluated for the AOC 10 potential exposure area in accordance with the RAWP (Arcadis 2008) and are presented in the individual AOC HHRA (Appendix AOC10). AOC 10 is only one component of the OCSxBCW potential exposure area, and those scouring scenarios were not repeated here for the OCSxBCW potential exposure area.

The depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment OCSxBCW-A2. The summary statistics for the OCSxBCW potential exposure area soil depth-weighted datasets and depth-weighted EPCs were calculated consistent with the RAWP documents (Arcadis 2008, 2009, 2015). Per the RAWP (Arcadis 2008), area-weighted EPCs for the HHRA are evaluated only if depth-weighted EPCs suggest that cumulative cancer risks and/or noncancer hazards may be significant for any given HHRA exposure scenario (cumulative cancer risks exceed a 10^{-6} cancer risk level, and/or the noncancer hazard index [HI] exceeds 1). For the OCSxBCW potential exposure area, area-weighted EPCs were deemed necessary for the HHRA and, therefore, were evaluated. The area-weighted data used in the calculation of area-weighted EPCs are presented in Attachment OCSxBCW-A3.

If the soil dataset had fewer than four detected values (i.e., concentrations reported above the detection limit) or fewer than eight total observations, the EPC defaulted to the maximum depth-weighted concentration in that dataset.

Soil summary statistics for constituents measured at the OCSxBCW potential exposure area[1] and depth- and area-weighted EPCs for COPCs calculated using depth-weighted data from the four exposure depths listed above are presented in Table OCSxBCW-3.1. Table OCSxBCW-3.1 also presents the basis of the calculated depth- and area-weighted EPCs, including whether the EPC is based on the maximum detected concentration.

[1] The list of constituents shown in the Table OCSxBCW-3.1is based on analytes that were detected at least once at the site (including all exposure areas inside or outside the TCS) and measured at the OCSxBCW potential exposure area.

4 HUMAN HEALTH RISK ASSESSMENT

This section briefly summarizes the HHRA approach, presents the COPC, EPC, and risk and hazard summary tables, and discusses the results and conclusions of the risk characterization and uncertainties in the risk assessment for the OCSxBCW potential exposure area. Details of the overall HHRA approach are presented in Section 5 of the main report. Dose, exposure concentration (EC), risk, and hazard calculation tables for potential human health receptors at the OCSxBCW potential exposure area are presented in Attachments OCSxBCW-B1 and OCSxBCW-B2 for depth- and area-weighted EPCs, respectively.

As stated in the RAWP (Arcadis 2008), all potential exposure areas outside the TCS are assumed to be equally accessible for future human use for purposes of the HHRA; however, the BCW is being considered as a unique exposure area because wastewater was routinely discharged into this area. It is a known source of the groundwater plume and, therefore, is distinct from both a historical use and geographical perspective. The HHRA for the OCSxBCW potential exposure area provides additional perspective on the contribution of soil in BCW to the overall risk associated with the other exposure areas located outside the TCS

4.1 Human Health Conceptual Site Model

Following the steps outlined in Section 5.5 of the main report, risks were estimated for potentially complete and significant exposure pathways identified in the human health conceptual site model for receptors potentially exposed to COPCs in soil present at the OCSxBCW potential exposure area. These included:

- **Short- and Long-Term Maintenance Workers –** Incidental ingestion of soil, dermal contact with soil, inhalation of particulates and volatile organic compound (VOC) vapors in ambient outdoor air from soil
- **Recreational Users (child and/or adult camper, hiker, hunter, and off-highway vehicle [OHV] rider)** – Incidental ingestion of soil, dermal contact with soil, and inhalation of particulates and VOC vapors in ambient outdoor air from soil
- **Tribal Users** – Inhalation of particulates and VOC vapors in ambient outdoor air from soil.

Potential exposure pathways considered incomplete or insignificant were not quantitatively evaluated and are discussed in Section 5.3.1 of the main report.

4.2 Constituents of Potential Concern

As previously indicated, COPCs for the OCS potential exposure area (Appendix OCS) were also selected as COPCs for OCSxBCW potential exposure area to ensure that risk estimates for the two potential exposure areas are directly comparable. The COPCs for the OCS potential exposure area were selected in accordance with the RAWP (Arcadis 2008) and as described in Section 3.4 of the main report. The COPC selection process using soil data encompassing all relevant exposure depths for the HHERA (i.e., 0 to 10 ft bgs for the OCSxBCW potential exposure area) is presented in Attachment OCSxBCW-A.

COPCs for the four exposure depths and one scenario (baseline) evaluated for this HHRA are summarized in Table OCSxBCW-4.1(details are presented in Tables OCSxBCW-2.1a through OCSxBCW-2.1d).

COPCs included: metals (antimony, hexavalent chromium, total chromium, copper, lead, mercury, thallium, and zinc), inorganic compounds (cyanide, nitrate, and phosphate), VOCs (bromomethane, chloro methane, chloroform, isophorone, and methyl acetate), semi-volatile organic compounds (SVOCs; 4-methylphenol, bis [2-ethylhexyl] phthalate, and butylbenzylphthalate), PAHs, pesticides (4,4-dichlorodiphenyldichloroethylene, 4,4-dichlorodiphenyltrichloroethane, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, total petroleum hydrocarbon (TPH) as diesel, TPH as motor oil, and dioxin TEQ in surface, shallow, subsurface I, and/or subsurface II soil.

4.3 Exposure Point Concentration Summary

For the potentially complete and significant exposure pathways identified in the conceptual site model, EPCs were calculated as described in Section 4.2 of the main report and presented in Section 3 of this appendix. Depth-weighted data used in the calculation of depth- and area-weighted EPCs are presented in Attachment OCSxBCW-A. Depth-weighted EPCs for COPCs in soil and estimated outdoor air concentrations associated with dust used to estimate risk in the HHRA are summarized in Tables OCSxBCW-4.2a through OCSxBCW-4.2h for the four exposure depths evaluated in the baseline scenario.

Area-weighted EPCs for COPCs in soil and estimated outdoor air concentrations associated with dust used to estimate risk in the HHRA are summarized in Tables OCSxBCW-4.3a through OCSxBCW-4.3f for the four exposure depths evaluated in the baseline scenario.

As described in detail in Section 5.3.3 of the main report, the following exposure depths and corresponding EPC datasets were used to evaluate potential exposure to COPCs in soil for potential human receptors:

- **Short- and Long-Term Maintenance Workers** – surface, shallow, subsurface I and subsurface II soil
- **Recreational Users (child and/or adult camper, hiker, hunter, and OHV rider)** – surface and shallow soil
- **Tribal Users** – surface and shallow soil.

4.4 Estimation of Dose

The EC and chronic daily intake (CDI) for carcinogenic and noncarcinogenic effects were calculated, as described in Section 5.5.1 of the main report, for COPCs in soil for potentially complete exposure pathways. The calculated EC and CDI values using depth-weighted EPCs are presented in Tables OCSxBCW-B1.1a through OCSxBCW-B1.1g (carcinogenic effects) and Tables OCSxBCW-B1.2a through OCSxBCW-B1.2g (noncarcinogenic effects) for the potential receptors evaluated. The calculated EC and CDI values using area-weighted EPCs are presented in Tables OCSxBCW-B2.1a through OCSxBCW-B2.1e (carcinogenic effects) and OCSxBCW-B2.2a through OCSxBCW-B2.2e (noncarcinogenic effects) for the potential receptors evaluated.

Exposure parameters used in the dose calculations are presented in Table 5-1 of the main report.

4.5 Toxicity Assessment

The toxicity assessment characterizes the relationship between the magnitude of exposure to a constituent and the potential for adverse health effects. More specifically, the toxicity assessment identifies agency-promulgated or derived toxicity values that can be used to estimate the likelihood of adverse health effects occurring in humans at different exposure levels. The approach for the toxicity assessment was provided in Section 4.5 of the RAWP (Arcadis 2008) and in Section 4.2 of the RAWP Addendum 2 (Arcadis 2015). Consistent with regulatory risk assessment policy, adverse health effects resulting from potential chemical exposures are evaluated in two categories: carcinogenic effects and noncarcinogenic effects. The hierarchy of sources for the toxicity criteria to be used for the HHRA generally corresponds to the California Department of Toxic Substances Control (DTSC) guidance (2015). Toxicity values for carcinogenic and noncarcinogenic effects for COPCs selected and used for the HHRA are described in Section 5.4 of the main report and were used to estimate potential cancer risks and noncancer hazards.

4.6 Human Health Risk Characterization

For potential human receptors assuming lifetime soil exposure is limited to the OCSxBCW potential exposure area, the estimated incremental lifetime cancer risks (ILCRs) and/or noncancer hazard quotients (HQs) were calculated for each COPC and potentially complete exposure pathway. Cumulative ILCRs (i.e., sum of chemical-specific ILCRs for each exposure depth for a scenario) were calculated and compared to the DTSC point of departure for risk management decision of 1×10^{-6}. Risk management decisions may raise this criterion depending on site-specific conditions. As indicated in the National Oil and Hazardous Substances Pollution Contingency Plan (40 Code of Federal Regulations 300), cancer risks between one in a million and one hundred in a million probability of occurrence (1×10^{-6} and 1×10^{-4}) fall within a risk management range. This is generally referred to as the acceptable risk range. Within this estimated cancer risk range, there is flexibility for risk managers in deciding what action, if any, is necessary and appropriate for the protection of human health. Cumulative noncancer hazards (i.e., HIs) are calculated and compared to an HI of 1 (DTSC 2015). Chemical exposures that yield HIs of less than or equal to 1 are not expected to result in adverse noncancer health effects (United States Environmental Protection Agency [USEPA] 1989).

4.6.1 Risk Characterization for Exposure to Soil (Baseline Scenario and Depth-Weighted EPCs)

Table OCSxBCW-4.4 summarizes cumulative ILCRs and HIs estimated for exposure to soil for each potential human receptor at the OCSxBCW potential exposure area in the baseline scenario, calculated using depth-weighted EPCs. The dose, EC, ILCR, and HI equations are presented in detail in Section 5.5.1 of the main report. The detailed cancer risk estimates (Tables OCSxBCW-B1.3a through OCSxBCW-B1.3g) and noncancer hazard calculations (Tables OCSxBCW-B1.4a through OCSxBCW-B1.4g) are presented in Attachment OCSxBCW-B1.

Risk and hazard estimates for the baseline scenario are summarized in the tables and discussed below. Assuming that lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated cumulative ILCRs and HIs for the hunter and tribal user exposed to COPCs in soil at all exposure depths are below 1×10^{-6} and 1, respectively. HI estimates are also below 1 for all other potential receptors. The estimated cumulative ILCRs for the OCSxBCW potential exposure area soil contact are above *de minimis* levels but within the acceptable risk management range for short- and long-term maintenance workers and certain recreational users (i.e., camper, hiker, and OHV rider).

Maintenance Workers

Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Short-Term Maintenance Worker	Surface	**4E-06**	CrVI (4E-06)	0.2	NA
	Shallow	**3E-06**	CrVI (3E-06)	0.2	NA
	Subsurface I	**2E-06**	CrVI (1E-06)	0.2	NA
	Subsurface II	1E-06	NA	0.1	NA
Long-Term Maintenance Worker	Surface	**3E-05**	CrVI (3E-05) TEQ human (1E-06)	0.06	NA
	Shallow	**2E-05**	CrVI (2E-05) TEQ human (1E-06)	0.07	NA
	Subsurface I	**1E-05**	CrVI (1E-05) TEQ human (1E-06)	0.07	NA
	Subsurface II	**9E-06**	CrVI (7E-06) TEQ human (1E-06)	0.06	NA

Notes:
CrVI = hexavalent chromium
NA = Not applicable. ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.
TEQ human = dioxin toxicity equivalents for humans

Assuming that lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated cumulative ILCRs for the short-term maintenance worker potentially exposed to COPCs in subsurface II soil are at or below 1×10^{-6}, the point of departure for risk management decisions (Table OCSxBCW-B1.3a). However, the depth-weighted estimated cumulative ILCRs for the short-term maintenance worker potentially exposed to COPCs in surface, shallow, and subsurface I soil are above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. For this receptor, risk estimates above *de minimis* levels were primarily attributed to hexavalent chromium in soil via the soil ingestion and inhalation of particulates pathways (Table OCSxBCW-B1.3a).

Assuming that lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated cumulative ILCRs for the long-term maintenance worker potentially exposed to COPCs in surface, shallow, subsurface I and subsurface II soil are above the point of departure for risk management decisions of 1×10^{-6}, but within the risk management range of 1×10^{-6}

and 1×10^{-4}. For this receptor, risk estimates above *de minimis* levels were primarily attributed to dioxin TEQ in soil via the dermal contact and soil ingestion pathways and to hexavalent chromium in soil via the inhalation of particulates pathway (Table OCSxBCW-B1.3b).

Elevated concentrations of hexavalent chromium appear to be localized at location AOC10-20 (see Figure OCSxBCW-1.1a). Accordingly, the depth-weighted EPCs and corresponding estimated ILCRs for hexavalent chromium may be biased high. To reduce the uncertainty associated with this potential bias, area-weighted cumulative ILCRs for the short- and long-term maintenance workers were estimated, as discussed below in Section 4.6.2.

Assuming that lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated cumulative HIs for the short- and long-term maintenance workers (Table OCSxBCW-B1.4a and Table OCSxBCW-B1.4b, respectively) potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil are below an HI of 1.

The depth-weighted EPCs for lead in surface shallow, subsurface I, and subsurface II soil are not expected to result in an increase in blood lead levels above the California Office of Environmental Health Hazard Assessment (OEHHA) benchmark value of 1 microgram per deciliter (μg/dL) in the fetus of a short- or long-term maintenance worker (Table OCSxBCW-B1.5a and Table OCSxBCW-B1.5b, respectively).

Recreational Users

Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Camper	Surface	**4E-06**	CrVI (4E-06) TEQ human (4E-07)	0.07	NA
	Shallow	**3E-06**	CrVI (3E-06) TEQ human (5E-07)	0.09	NA
Hiker	Surface	**9E-06**	CrVI (8E-06) TEQ human (9E-07)	0.1	NA
	Shallow	**6E-06**	CrVI (5E-06) TEQ human (1E-06)	0.2	NA
Hunter	Surface	5E-07	NA	0.01	NA
	Shallow	4E-07	NA	0.01	NA
OHV Rider	Surface	**2E-05**	CrVI (2E-05) TEQ human (5E-07)	0.04	NA
	Shallow	**1E-05**	CrVI (1E-05) TEQ human (5E-07)	0.05	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated cumulative ILCRs for the hunter potentially exposed to COPCs in surface and shallow soil (Tables OCSxBCW-B1.3e) are below 1×10^{-6}, the point of departure for risk management decisions. However, the depth-weighted estimated cumulative ILCRs for the camper, hiker, and OHV rider potentially exposed to COPCs in surface and shallow soil are above the point of departure for risk management decisions of 1×10^{-6}, but within the lower end of the risk management range of 1×10^{-6} and 1×10^{-4}. Risk estimates above *de minimis* levels were primarily attributed to hexavalent chromium, and dioxin TEQ in soil via the soil ingestion pathway for the camper and hiker (Tables OCSxBCW-B1.3d and OCSxBCW-B1.3e) and to dioxin TEQ via the soil ingestion pathway and hexavalent chromium via the inhalation of particulates pathway for the OHV rider (Table OCSxBCW-B1.3f).

As previously discussed, elevated concentrations of hexavalent chromium appear to be localized at location AOC10-20. Accordingly, the depth-weighted EPCs and corresponding estimated ILCRs for hexavalent chromium may be biased high. To reduce the uncertainty associated with this potential bias, area-weighted cumulative ILCRs for the camper, hiker, and OHV rider were estimated, as discussed below in Section 4.6.2.

Assuming lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated HIs for the camper, hiker, hunter and OHV rider (Tables OCSxBCW-B1.4c through OCSxBCW-B1.4f, respectively) potentially exposed to COPCs in surface and shallow soil are below an HI of 1. The depth-weighted EPCs for lead in surface and shallow soil are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 μg/dL for child recreational users and the fetus of a hunter (Tables OCSxBCW-B1.5c through OCSxBCW-B1.5i).

Tribal User

Baseline Depth-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Tribal User	Surface	2E-08	NA	0.0004	NA
	Shallow	1E-08	NA	0.0004	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the depth-weighted estimated cumulative ILCRs and HIs for the tribal user potentially exposed to COPCs in surface and shallow soil (Tables OCSxBCW-B1.3g and OCSxBCW-B1.4g, respectively) are below the *de minimis* levels of 1×10^{-6}, the point of departure for risk management decisions and HI of 1, respectively.

4.6.2 Risk Characterization for Exposure to Soil (Baseline Scenario and Area-Weighted EPCs)

Table OCSxBCW-4.5 summarizes cumulative ILCRs and HIs estimated for exposure to soil for each potential human receptor at the OCSxBCW potential exposure area, calculated using area-weighted EPCs, for potential receptors where the depth-weighted estimated cumulative ILCRs were above 1×10^{-6}. Accordingly, area-weighted ILCRs and HIs were estimated for short- and long-term maintenance workers and certain recreational users (i.e., camper, hiker and OHV rider). The dose, EC, ILCR, and HI equations are presented in detail in Section 5.5.1 of the main report. The detailed cancer risk estimates (Tables OCSxBCW-B2.3a through OCSxBCW-B2.3e) and noncancer hazard calculations (Tables OCSxBCW-B2.4a through OCSxBCW-B2.4e) are presented in Attachment OCSxBCW-B2.

The baseline scenario area-weighted estimated cumulative ILCRs and HIs for each receptor selected for evaluation are summarized in the tables and discussed below. In general, depending on the depth interval, the area-weighted approach resulted in risks or hazard estimates ranging from 1.2 to 2 times lower than the depth-weighted estimates.

Maintenance Workers

Baseline Area-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Short-Term Maintenance Worker	Surface	**2E-06**	CrVI (2E-06)	0.39	NA
	Shallow	**2E-06**	CrVI (1E-06)	0.1	NA
	Subsurface I	1E-06	NA	0.1	NA
	Subsurface II	7E-07	NA	0.1	NA
Long-Term Maintenance Worker	Surface	**2E-05**	CrVI (2E-05) TEQ human (7E-07)	0.12	NA
	Shallow	**1E-05**	CrVI (1E-05) TEQ human (8E-07)	0.05	NA
	Subsurface I	**8E-06**	CrVI (7E-06) TEQ human (8E-07)	0.05	NA
	Subsurface II	**6E-06**	CrVI (5E-06) TEQ human (8E-07)	0.05	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming that lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the area-weighted estimated cumulative ILCRs for the short-term maintenance worker potentially exposed to COPCs in subsurface I, and subsurface II soil are at or below 1×10^{-6}, the point of departure for risk management decisions (Table OCSxBCW-B2.3a). However, the area-weighted estimated cumulative ILCR for the short-term maintenance worker potentially exposed to COPCs in surface and shallow soil is slightly above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. For this receptor, the risk estimate above the

de minimis level was primarily attributed to hexavalent chromium in soil via the soil ingestion and inhalation of particulates pathways (Table OCSxBCW-B2.3a).

Assuming lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the area-weighted estimated cumulative ILCRs for the long-term maintenance worker potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil are above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. For this receptor, risk estimates above *de minimis* levels were primarily attributed to dioxin TEQ in soil via the dermal contact and soil ingestion pathways and to hexavalent chromium in soil via the inhalation of particulates pathway (Table OCSxBCW-B2.3b).

As stated earlier, the area-weighted estimated cumulative ILCRs for the short- and long-term maintenance workers, depending on the depth interval, are approximately 1.2 to 2 times lower than the depth-weighted cumulative ILCRs. Therefore, assuming lifetime soil contact occurs randomly over the entire OCSxBCW, cumulative ILCRs for the long-term maintenance worker are slightly above 1×10^{-5} at all soil depths evaluated, when accounting for spatial bias in the EPCs. These values are well within the risk management range of 1×10^{-6} and 1×10^{-4}.

The area-weighted estimated cumulative HIs for the short- and long-term maintenance workers (Tables OCSxBCW-B2.4a and OCSxBCW-B2.4b, respectively) potentially exposed to COPCs in surface, shallow, subsurface I, and subsurface II soil are below an HI of 1. The area-weighted EPCs for lead in surface, shallow, subsurface I, and subsurface II soil are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 μg/dL in the fetus of a short- or long-term maintenance worker (Tables OCSxBCW-B2.5a and OCSxBCW-B2.5b).

Recreational Users

Baseline Area-Weighted Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR	ILCR Drivers	HI	HI Drivers
Camper	Surface	**2E-06**	CrVI (2E-06) TEQ human (3E-07)	0.2	NA
	Shallow	**2E-06**	CrVI (1E-06) TEQ human (3E-07)	0.08	NA
Hiker	Surface	**5E-06**	CrVI (4E-06) TEQ human (6E-07)	0.5	NA
	Shallow	**3E-06**	CrVI (3E-06) TEQ human (6E-07)	0.2	NA
OHV Rider	Surface	**1E-05**	CrVI (9E-06) TEQ human (3E-07)	0.07	NA
	Shallow	**6E-06**	CrVI (6E-06) TEQ human (3E-07)	0.03	NA

Note:
ILCR and HI drivers are presented only for estimated cumulative ILCRs above 1×10^{-6} and estimated HIs above 1.

Assuming that lifetime soil contact occurs randomly over the entire OCSxBCW potential exposure area, the area-weighted estimated cumulative ILCRs for the camper, hiker, and OHV rider potentially exposed to COPCs in surface and shallow soil (Tables OCSxBCW-B2.3c through OCSxBCW-B2.3e) are above the point of departure for risk management decisions of 1×10^{-6}, but well within the risk management range of 1×10^{-6} and 1×10^{-4}. Risk estimates above *de minimis* levels were primarily attributed to hexavalent chromium and dioxin TEQ in soil via the soil ingestion pathway for the camper and hiker (Tables OCSxBCW-B2.3c and OCSxBCW-B2.3d) and to dioxin TEQ via the soil ingestion pathway and hexavalent chromium via the inhalation of particulates pathway for the OHV rider (Table OCSxBCW-B2.3e). As was the case for the depth-weighted risk estimates, elevated concentrations of hexavalent chromium at sample location AOC10-20 are driving the area-weighted EPCs for hexavalent chromium.

As demonstrated by comparing the values, the area-weighted estimated cumulative ILCRs for the camper, hiker, and OHV rider, are approximately 1.5 to 2 times lower than the depth-weighted estimated cumulative ILCRs, depending on the depth interval. Therefore, when accounting for spatial bias in the EPCs and assuming lifetime soil contact at the OCSxBCW potential exposure area, estimated cumulative ILCRs for the camper, hiker, and OHV rider are at or below 5×10^{-6} for all soil depths evaluated except for the OHV rider potentially exposed to COPCs in surface soil. The estimated cumulative ILCR for the OHV rider potentially exposed to COPCs in surface soil is 1×10^{-5}. These values are well within the risk management range of 1×10^{-6} and 1×10^{-4}.

The area-weighted estimated cumulative HIs for the camper, hiker, and OHV rider (Tables OCSxBCW-B2.4c through OCSxBCW-B2.4e) potentially exposed to COPCs in surface and shallow soil are below an HI of 1. The area-weighted EPCs for lead in surface and shallow soil are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 μg/dL for child recreational users (Tables OCSxBCW-B2.5c through OCSxBCW-B2.5h).

4.6.3 Uncertainties in the Risk Assessment

The risk assessment includes several uncertainties that warrant discussion. Many of the assumptions used in this risk assessment, regarding the representativeness of the sampling data, potential human exposures, fate and transport modeling, and chemical toxicity are conservative, follow agency guidance, and reflect a 90th or 95th percentile value rather than a typical or average value. The use of several conservative exposure assumptions and toxicity estimates can introduce considerable uncertainty into the risk assessment. By using conservative exposure assumptions or toxicity estimates, the assessment can develop a significant conservative bias that may result in the calculation of significantly higher estimates for cancer risks or noncancer hazards than are actually posed by the chemicals present in soil. These uncertainties are discussed in detail in Section 5.6 of the main report. Uncertainties applicable only to the risk assessment for the OCSxBCW potential exposure area are discussed below.

Additional uncertainties for the OCSxBCW potential exposure area include the use of the maximum depth-weighted soil concentration as the EPC. The maximum depth-weighted soil concentration was used for COPCs when the soil dataset contained fewer than four detected values (i.e., concentrations reported above the detection limit) or fewer than eight total observations as shown in Table OCSxBCW - 3.1.

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SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH EXPOSURE AREA

For the OCSxBCW potential exposure area, the maximum depth-weighted concentration was used as the EPC for the following COPCs:

- Surface soil: SVOCs (bis[2-ethylhexyl] phthalate, isophorone, and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-dichlorodiphenyldichloroethylene, 4,4-dichlorodiphenyltrichloroethane, and dieldrin), and inorganic compounds (chloride, cyanide, and sulfate)
- Shallow soil: VOCs (bromomethane, chloroform, chloromethane, and methyl acetate), SVOCs (bis[2-ethylhexyl] phthalate, isophorone and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDT, and dieldrin), and inorganics (chloride, cyanide, nitrate, phosphate, and sulfate)
- Subsurface I soil: VOCs (bromomethane, chloroform, chloromethane, and methyl acetate), SVOCs (bis[2-ethylhexyl] phthalate, isophorone and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDT, and dieldrin) and inorganic compounds (chloride, cyanide, nitrate, phosphate, and sulfate)
- Subsurface II soil: VOCs (bromomethane, chloroform, chloromethane, and methyl acetate), SVOCs (bis[2-ethylhexyl] phthalate, butylbenzylphthalate, isophorone and 4-methylphenol), pesticides (alpha-chlordane, gamma-chlordane, 4,4-DDT, and dieldrin), and inorganic compounds (chloride, cyanide, nitrate, phosphate, and sulfate).

The use of the maximum depth-weighted soil concentration as the EPC for the COPCs listed above may not appropriately represent exposures and resulting risks/hazards. This approach to estimating EPCs does not materially impact the results of the HHRA because the OCSxBCW potential exposure area COPCs are not risk drivers at the site due to their low frequency of detection and/or fewer than eight observations.

5 ECOLOGICAL RISK ASSESSMENT

As stated in Section 1 and consistent with the RAWP documents (Arcadis 2008, 2009, 2015), an ecological risk assessment was not conducted for the OCSxBCW potential exposure area. For potential small home-range receptors, potential exposure to environmental media is evaluated as part of the individual AOC exposure areas that comprise the OCSxBCW potential exposure area. Exposure of potential large home-range receptors is evaluated as part of the BCW and AOC 4 potential exposure area (Appendix BCW+AOC4), the OCS potential exposure area (Appendix OCS), and the OCS excluding BCW and AOC 4 potential exposure area (Appendix OCSxBCW+AOC4).

6 SUMMARY AND CONCLUSIONS FOR THE HHRA

Potential cumulative cancer risks and noncancer hazards for potential human receptors were estimated, as presented above in Section 4. For potential ecological receptors, potential risks were not estimated, per the RAWP (Arcadis 2008). Uncertainties related to the HHRA at the site are discussed in detail in Section 5.6 of the main report, and uncertainties specific to the OCSxBCW potential exposure area are discussed herein. For the OCSxBCW potential exposure area, a HHRA was conducted per the RAWP documents (Arcadis 2008, 2009, 2015). One scenario (baseline, no scouring) was evaluated, and risks were estimated for various potential receptors using depth-weighted EPCs and area-weighted EPCs.

At the OCSxBCW potential exposure area, the COPCs identified for the HHRA include metals (antimony, hexavalent chromium, total chromium, copper, lead, mercury, thallium, and zinc), inorganic compounds (cyanide, nitrate, and phosphate), VOCs (bromomethane, chloro methane, chloroform, isophorone, and methyl acetate), SVOCs (4-methylphenol, bis [2-ethylhexyl] phthalate, and butylbenzylphthalate), PAHs, pesticides (4,4-dichlorodiphenyldichloroethylene, 4,4-dichlorodiphenyltrichloroethane, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, TPH as diesel, TPH as motor oil, and dioxins and furans. A summary of the results and conclusions regarding potential risk associated with exposure to these COPCs in soil at the OCSxBCW potential exposure area based on the risk/hazard estimates and uncertainties inherent in the risk assessment process are presented in this section. The conclusions reached after completing the OCSxBCW HHRA are presented below.

The estimated cumulative ILCRs and HIs associated with potential exposure to COPCs in soil at the OCSxBCW using depth- and area-weighted EPCs were estimated. Assuming lifetime soil contact occurs randomly over the entire OCSxBCW for the potential receptors evaluated, the estimated potential ILCR and HI results are summarized in the table and discussed below.

Baseline Scenario Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index

Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR		HI	
		Depth-Wt	Area-Wt	Depth-Wt	Area-Wt
Short-Term Maintenance Worker	Surface	**4×10^{-6}** (CrVI)	**2×10^{-6}** (CrVI)	≤1	≤1
	Shallow	**3×10^{-6}** (CrVI)	**2×10^{-6}** (CrVI)	≤1	≤1
	Subsurface I	**2×10^{-6}** (CrVI)	≤1×10^{-6}	≤1	≤1
	Subsurface II	≤1×10^{-6}	≤1×10^{-6}	≤1	≤1

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SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH EXPOSURE AREA

Baseline Scenario Estimated Cumulative Incremental Lifetime Cancer Risk and Hazard Index					
Potential Receptor and Exposure Depth		OCSxBCW Potential Exposure Area			
		Cumulative ILCR		HI	
		Depth-Wt	Area-Wt	Depth-Wt	Area-Wt
Long-Term Maintenance Worker	Surface	**3×10^{-5}** (CrVI and dioxin TEQ)	**2×10^{-5}** (CrVI and dioxin TEQ)	≤1	≤1
	Shallow	**2×10^{-5}** (CrVI and dioxin TEQ)	**1×10^{-5}** (CrVI and dioxin TEQ)	≤1	≤1
	Subsurface I	**1×10^{-5}** (CrVI and dioxin TEQ)	**8×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
	Subsurface II	**9×10^{-6}** (CrVI and dioxin TEQ)	**6×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
Camper	Surface	**4×10^{-6}** (CrVI and dioxin TEQ)	**2×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
	Shallow	**3×10^{-6}** (CrVI and dioxin TEQ)	**2×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
Hiker	Surface	**9×10^{-6}** (CrVI and dioxin TEQ)	**5×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
	Shallow	**6×10^{-6}** (CrVI and dioxin TEQ)	**3×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
Hunter	Surface	≤1 x 10^{-6}	---	≤1	---
	Shallow	≤1 x 10^{-6}	---	≤1	---
OHV Rider	Surface	**2×10^{-5}** (CrVI and dioxin TEQ)	**1×10^{-5}** (CrVI and dioxin TEQ)	≤1	≤1
	Shallow	**1×10^{-5}** (CrVI and dioxin TEQ)	**6×10^{-6}** (CrVI and dioxin TEQ)	≤1	≤1
Tribal User	Surface	≤1 x 10^{-6}	---	≤1	---
	Shallow	≤1 x 10^{-6}	---	≤1	---

Note:
-- = Area-weighted (area-wt) estimate not calculated because depth-weighted (depth-wt) estimates for the receptor were below *de minimis* levels.

Depth-Weighted

Potential exposures that are below or at *de minimis* levels include the following:

- **HI $\leq$ 1 for all soil depths** – All potential receptors evaluated including: Short-Term Maintenance Worker, Long-Term Maintenance Worker, Camper, Hiker, Hunter, OHV Rider, and Tribal User.
- **ILCR $\leq 1 \times 10^{-6}$** – Short-Term Maintenance Worker (subsurface II), Hunter (surface and shallow), and Tribal User (surface and shallow).

Potential exposures that are above *de minimis* levels of HI > 1 and/or within the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **HI > 1 and $\leq$ 3** – None.
- **HI > 3** – None.
- **ILCR > 1×10^{-6} and $\leq 5 \times 10^{-6}$** – Short-Term Maintenance Worker (surface, shallow, and subsurface I) and Camper (surface and shallow).
- **ILCR > 5×10^{-6} and $\leq 1 \times 10^{-5}$** – Long-Term Maintenance Worker (subsurface I, and subsurface II), Hiker (surface and shallow), and OHV Rider (shallow).
- **ILCR > 1×10^{-5} and $\leq 1 \times 10^{-4}$** – Long-Term Maintenance Worker (surface and shallow) and OHV Rider (surface).

Potential exposures that are above the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **ILCR > 1×10^{-4}** – None.

The depth-weighted estimated ILCRs and HIs for the hunter and tribal user were < 1×10^{-6} and < 1, respectively. Consequently, risks and hazards for these two potential receptors were not estimated using area-weighted EPCs. The depth-weighted estimated cumulative HI values were less than 1 for all potential receptors and all exposure depths evaluated. The depth-weighted estimated risks above *de minimis* levels for the short- and long-term maintenance workers, camper, hiker, and OHV rider were due to hexavalent chromium and/or dioxin TEQ. Therefore, potential risks and hazards for these potential receptors were estimated using area-weighted EPCs and are provided below.

Area-Weighted

Potential exposures that are below or at *de minimis* levels include the following:

- **HI $\leq$ 1 for all soil depths** – All potential receptors evaluated including: Short-Term Maintenance Worker, Long-Term Maintenance Worker, Camper, Hiker, and OHV Rider.
- **ILCR $\leq 1 \times 10^{-6}$** – Short-Term Maintenance Worker (subsurface I and subsurface II).

Potential exposures that are above *de minimis* levels of HI > 1 and/or within the risk management range of 1×10^{-6} and 1×10^{-4} include the following:

- **HI > 1 and $\leq$ 3** – None.
- **HI > 3** – None.
- **ILCR > 1×10^{-6} and $\leq 5 \times 10^{-6}$** – Short-Term Maintenance Worker (surface and shallow), Camper (surface and shallow), and Hiker (surface and shallow).

- **ILCR > 5 x 10^{-6} and ≤ 1 x 10^{-5}** – Long-Term Maintenance Worker (shallow, subsurface I and subsurface II) and OHV Rider (surface and shallow).
- **ILCR > 1 × 10^{-5} and ≤ 1 × 10^{-4}** – Long-Term Maintenance Worker (surface).

Potential exposures that are above the risk management range of 1 × 10^{-6} and 1 × 10^{-4} include the following:

- **ILCR > 1 × 10^{-4}** – None.

OVERALL SUMMARY

For the OCSxBCW potential exposure area, risk drivers for both depth- and area-weighted evaluations are hexavalent chromium and dioxin TEQ. Depth-weighted estimated risks and hazards for the hunter and tribal user are below 1 × 10^{-6} and 1, respectively; therefore, these receptors were not carried forward for the evaluation using area-weighted EPCs. The cumulative HIs estimated for all other potential receptors are below an HI of 1.

Assuming lifetime soil contact is limited to the OCSxBCW potential exposure area, the following summarizes the area-weighted HHRA results for the OCSxBCW potential exposure area. The estimated cumulative ILCRs associated with potential exposure to COPCs in soil using area-weighted EPCs for the short-term maintenance worker, camper, and hiker were above the point of departure for risk management decisions of 1 × 10^{-6} but at or below 5 x 10^{-6}. For the long-term maintenance worker and OHV rider, the area-weighted estimated cumulative ILCRs are above the point of departure for risk management decisions of 1 × 10^{-6} but at or below 1 x 10^{-5}, with one exception. The area-weighted estimated cumulative ILCR for the long-term maintenance worker (surface) is slightly above 1 x 10^{-5} (i.e., 2 x 10^{-5}). These values are well within the risk management range of 1 × 10^{-6} and 1 × 10^{-4}.

Furthermore, the depth- and area-weighted EPCs for lead in all soil at the OCSxBCW potential exposure area are not expected to result in an increase in blood lead levels above the OEHHA benchmark value of 1 µg/dL in the fetus of a short- or long-term maintenance worker, fetus of a hunter, or child recreational user.

For the OCSxBCW potential exposure area, the depth- and area-weighted risk estimates are not substantially different, with area-weighted estimated cumulative ILCRs being approximately 1.2 to 2 times lower than depth-weighted estimates for the same receptor and exposure depth. As shown in the table above, this difference reduced the risk category for the long-term maintenance worker (shallow), hiker (surface and shallow), and OHV rider (surface), but does not substantially change the overall outcome for the risk estimates for this exposure area. The hazards are not noticeably impacted since all the estimated cumulative HIs were less than 1 with both depth- and area-weighted evaluations.

The HHRAs conducted for the OCS potential exposure area (results summarized in Section 5.5.3.15 of the main report) and the OCSxBCW potential exposure area provide risk managers with perspective on how much of the risks/hazards estimated for the overall OCS potential exposure area are influenced by the elevated concentrations of hexavalent chromium and dioxin TEQ located within BCW. The estimated cumulative ILCRs are generally only 1 to 1.6 times lower for the OCSxBCW potential exposure area when compared to estimated cumulative ILCRs for the OCS potential exposure area.

APPENDIX OCSxBCW
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH EXPOSURE AREA

As indicated in Appendices OCS and Appendix BCWxSWMU1, the weight of evidence supports that the majority of excess risk is attributed to elevated concentrations of hexavalent chromium and/or dioxins located within solid waste management unit (SWMU) 1 and TCS-4 areas within BCW, and at location AOC10-20 in AOC 9.

7 REFERENCES

Arcadis. 2008. Human Health and Ecological Risk Assessment Work Plan (RAWP), Topock Compressor Station, Needles, California. August.

Arcadis. 2009. Revised Addendum to the Revised Human Health and Ecological Risk Assessment Work Plan (August 2008), Topock Compressor Station, Needles, California. February.

Arcadis. 2015. Final Human Health and Ecological Risk Assessment Work Plan Addendum 2. Topock Compressor Station, Needles, California. June.

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. California Environmental Protection Agency, Department of Toxic Substances Control. October.

USEPA. 1989. Risk Assessment Guidance for Superfund. Volume 1: Human Health Evaluation Manual (Part A). Interim Final. Office of Emergency and Remedial Response. EPA-540/1-89/002. Washington, DC. December.

TABLES

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
#10	04/06/00	#10	0	3	0.5	0-0.5	--
#11	04/06/00	#11	0	3	0.5	0-0.5	--
#12	04/06/00	#12	0	3	0.5	0-0.5	--
#4	04/06/00	#4	0	3	0.5	0-0.5	--
#5	04/06/00	#5	0	3	0.5	0-0.5	--
#6	04/06/00	#6	0	3	0.5	0-0.5	--
#7	04/06/00	#7	0	3	0.5	0-0.5	--
#8	04/06/00	#8	0	3	0.5	0-0.5	--
#9	04/06/00	#9	0	3	0.5	0-0.5	--
24soil-01	01/31/08	24soil-01	2.5	3	3	0-03	--
24soil-02	01/31/08	24soil-02	2.5	3	3	0-03	--
300a-09-1000	04/06/11	AOC28-OS1	0	0.5	0.5	0-0.5	--
300a-09-1001	04/06/11	AOC28-OS1	2.5	3	3	0-03	--
300a-09-1002	04/06/11	AOC28-OS1	5.5	6	6	0-06	--
300a-09-1003	04/06/11	AOC28-OS1	9	9.5	9.5	0-10	--
300a-31-1020	04/06/11	AOC10-OS4	6.5	7	7	0-10	--
300a-31-1021	04/06/11	AOC10-OS4	6.5	7	7	0-10	--
300a-33-1030	04/06/11	AOC10-OS3	5	5.5	5.5	0-06	--
300a-34-1040	04/06/11	AOC10-OS2	0	0.5	0.5	0-0.5	--
300a-34-1041	04/06/11	AOC10-OS2	2.5	3	3	0-03	--
300a-34-1043	04/06/11	AOC10-OS2	5.5	6	6	0-06	--
300a-36-1-1050	04/06/11	AOC10-OS1	0	0.5	0.5	0-0.5	--
300a-36-1-1051	04/06/11	AOC10-OS1	2.5	3	3	0-03	--
300a-36-1-1052	04/06/11	AOC10-OS1	5.5	6	6	0-06	--
300a-36-1-1053	04/06/11	AOC10-OS1	9.5	10	10	0-10	--
300a-36-1-1054	04/06/11	AOC10-OS1	11	11.5	11.5	NE	Excluded from HHERA (> 10 ft bgs)
300b-103-1080	04/06/11	AOC11g-OS1	0	0.5	0.5	0-0.5	--
300b-103-1081	04/06/11	AOC11g-OS1	2.5	3	3	0-03	--
300b-103-1082	04/06/11	AOC11g-OS1	5.5	6	6	0-06	--
300b-103-1083	04/06/11	AOC11g-OS1	8.5	9	9	0-10	--
300B-1-10001	09/23/08	UA2-300B-1	0	0.5	0.5	0-0.5	--
300B-1-10002	09/23/08	UA2-300B-1	0.5	1	1	0-03	--
300B-1-10003	10/23/08	UA2-300B-1	2.5	3	3	0-03	--
300B-1-10004	10/23/08	UA2-300B-1	5.5	6	6	0-06	--
300b-17-1070	04/06/11	AOC28-OS2	0	0.5	0.5	0-0.5	--
300b-17-1071	04/06/11	AOC28-OS2	2.5	3	3	0-03	--
300b-17-1072	04/06/11	AOC28-OS2	5.5	6	6	0-06	--
300b-17-1073	04/06/11	AOC28-OS2	8.5	9	9	0-10	--
300B-2-10005	10/03/08	UA2-300B-2	0	0.5	0.5	0-0.5	--
300B-2-10006	10/03/08	UA2-300B-2	0.5	1	1	0-03	--

Table OCSxBCW-1.1
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PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
300B-2-10007	10/03/08	UA2-300B-2	2	3	3	0-03	--
300B-3-10009	10/03/08	UA2-300B-3	0	0.5	0.5	0-0.5	--
300B-3-10010	10/03/08	UA2-300B-3	0.5	1	1	0-03	--
300B-3-10011	10/03/08	UA2-300B-3	0.5	1	1	0-03	--
300B-3-10012	10/03/08	UA2-300B-3	2	3	3	0-03	--
300B-3-10013	10/03/08	UA2-300B-3	5	6	6	0-06	--
300b-40-1090	04/06/11	PA-OS1	0	0.5	0.5	0-0.5	--
300b-40-1091	04/06/11	PA-OS1	2.5	3	3	0-03	--
300b-40-1092	04/06/11	PA-OS1	5.5	6	6	0-06	--
300b-40-1093	04/06/11	PA-OS1	9	9.5	9.5	0-10	--
300B-4-10014	10/03/08	UA2-300B-4	0	0.5	0.5	0-0.5	--
300B-4-10015	10/03/08	UA2-300B-4	0.5	1	1	0-03	--
300B-4-10016	10/03/08	UA2-300B-4	2	3	3	0-03	--
300B-5-10018	10/03/08	UA2-300B-5	0	0.5	0.5	0-0.5	--
300B-5-10019	10/03/08	UA2-300B-5	0.5	1	1	0-03	--
300B-5-10020	10/03/08	UA2-300B-5	2	3	3	0-03	--
AOC10-10-5200	01/22/16	AOC10-10	0	1	0.5	0-0.5	--
AOC10-10-5201	01/22/16	AOC10-10	2	3	3	0-03	--
AOC10-10-5202	01/22/16	AOC10-10	5	6	6	0-06	--
AOC10-10-5203	01/22/16	AOC10-10	9	10	10	0-10	--
AOC10-10-5204	01/22/16	AOC10-10	9	10	10	0-10	--
AOC10-11-5205	01/22/16	AOC10-11	0	1	0.5	0-0.5	--
AOC10-11-5206	01/22/16	AOC10-11	0	1	0.5	0-0.5	--
AOC10-11-5207	01/22/16	AOC10-11	2	3	3	0-03	--
AOC10-11-5208	01/22/16	AOC10-11	5	6	6	0-06	--
AOC10-11-5209	01/22/16	AOC10-11	9	10	10	0-10	--
AOC10-12-5210	01/22/16	AOC10-12	0	0.5	0.5	0-0.5	--
AOC10-12-5211	01/22/16	AOC10-12	2	3	3	0-03	--
AOC10-12-5212	01/22/16	AOC10-12	5	6	6	0-06	--
AOC10-12-5213	01/22/16	AOC10-12	9	10	10	0-10	--
AOC10-13-5214	12/03/15	AOC10-13	0	1	0.5	0-0.5	--
AOC10-13-5215	12/03/15	AOC10-13	0	1	0.5	0-0.5	--
AOC10-14-5216	12/03/15	AOC10-14	0	1	0.5	0-0.5	--
AOC10-1-5001	10/02/08	AOC10-1	0	0.5	0.5	0-0.5	--
AOC10-1-5002	10/02/08	AOC10-1	2	3	3	0-03	--
AOC10-1-5003	10/02/08	AOC10-1	5	6	6	0-06	--
AOC10-1-5004	10/02/08	AOC10-1	9	10	10	0-10	--
AOC10-15-5217	12/15/15	AOC10-15	0	1	0.5	0-0.5	--
AOC10-15-5218	12/15/15	AOC10-15	0	1	0.5	0-0.5	--
AOC10-15-5219	12/15/15	AOC10-15	2	3	3	0-03	--
AOC10-15-5220	12/15/15	AOC10-15	5	6	6	0-06	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-15-5221	12/15/15	AOC10-15	9	10	10	0-10	--
AOC10-16-5222	12/15/15	AOC10-16	0	1	0.5	0-0.5	--
AOC10-16-5223	12/15/15	AOC10-16	2	3	3	0-03	--
AOC10-16-5224	12/15/15	AOC10-16	5	6	6	0-06	--
AOC10-16-5225	12/15/15	AOC10-16	9	10	10	0-10	--
AOC10-17-5226	12/03/15	AOC10-17	0	1	0.5	0-0.5	--
AOC10-18-5227	12/06/15	AOC10-18	0	1	0.5	0-0.5	--
AOC10-18-5228	12/06/15	AOC10-18	2	3	3	0-03	--
AOC10-19-5262	02/24/16	AOC10-19	0	1	0.5	0-0.5	--
AOC10-19-5263	02/24/16	AOC10-19	2	3	3	0-03	--
AOC10-19-5264	02/24/16	AOC10-19	2	3	3	0-03	--
AOC10-19-5265	02/24/16	AOC10-19	5	6	6	0-06	--
AOC10-20-5247	02/17/16	AOC10-20	0	0.5	0.5	0-0.5	--
AOC10-20-5248	02/25/16	AOC10-20	2	3	3	0-03	--
AOC10-21-5251	02/25/16	AOC10-21	0	0.5	0.5	0-0.5	--
AOC10-21-5252	02/25/16	AOC10-21	2	3	3	0-03	--
AOC10-22-5254	02/17/16	AOC10-22	0	0.5	0.5	0-0.5	--
AOC10-22-5255	02/17/16	AOC10-22	1	2	2	0-03	--
AOC10-22-5256	02/17/16	AOC10-22	2	3	3	0-03	--
AOC10-22-5257	02/17/16	AOC10-22	5	6	6	0-06	--
AOC10-23-5258	02/25/16	AOC10-23	0	1	0.5	0-0.5	--
AOC10-23-5259	02/25/16	AOC10-23	2	3	3	0-03	--
AOC10-23-5260	02/25/16	AOC10-23	1	2	2	0-03	--
AOC10-24-5261	03/07/16	AOC10-24	0	1	0.5	0-0.5	--
AOC10-24-5262	03/07/16	AOC10-24	2	3	3	0-03	--
AOC10-2-5005	10/02/08	AOC10-2	0	0.5	0.5	0-0.5	--
AOC10-2-5006	10/02/08	AOC10-2	2	3	3	0-03	--
AOC10-2-5007	10/02/08	AOC10-2	5	6	6	0-06	--
AOC10-2-5008	10/02/08	AOC10-2	7	8	8	0-10	--
AOC10-25-5266	01/08/17	AOC10-25	0	0.5	0.5	0-0.5	--
AOC10-25-5267	01/08/17	AOC10-25	0	0.5	0.5	0-0.5	--
AOC10-25-5268	01/08/17	AOC10-25	2	3	3	0-03	--
AOC10-25-5269	01/08/17	AOC10-25	5	6	6	0-06	--
AOC10-25-5270	01/08/17	AOC10-25	9	10	10	0-10	--
AOC10-26-5271	02/21/17	AOC10-26	0	0.5	0.5	0-0.5	--
AOC10-26-5272	02/21/17	AOC10-26	2	3	3	0-03	--
AOC10-26-5273	02/21/17	AOC10-26	2	3	3	0-03	--
AOC10-26-5274	02/21/17	AOC10-26	4.5	5	5	0-06	--
AOC10-26-Debris	02/21/17	AOC10-26	2.5	2.7	2.7	0-03	--
AOC10-27-5275	01/04/17	AOC10-27	0	0.5	0.5	0-0.5	--
AOC10-27-5276	01/04/17	AOC10-27	2	3	3	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

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PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-27-5277	01/04/17	AOC10-27	4	5	5	0-06	--
AOC10-3-5009	09/19/08	AOC10-3	0	0.5	0.5	0-0.5	--
AOC10-3-5010	09/19/08	AOC10-3	0	0.5	0.5	0-0.5	--
AOC10-3-5011	09/19/08	AOC10-3	2	3	3	0-03	--
AOC10-3-5012	09/19/08	AOC10-3	5	6	6	0-06	--
AOC10-3-5013	09/19/08	AOC10-3	9	10	10	0-10	--
AOC10-4-5014	09/19/08	AOC10-4	0	0.5	0.5	0-0.5	--
AOC10-4-5015	09/19/08	AOC10-4	2	3	3	0-03	--
AOC10-4-5016	09/19/08	AOC10-4	5	6	6	0-06	--
AOC10-4-5017	09/19/08	AOC10-4	9	10	10	0-10	--
AOC10-5-5018	09/19/08	AOC10-5	0	0.5	0.5	0-0.5	--
AOC10-5-5019	09/19/08	AOC10-5	2	3	3	0-03	--
AOC10-5-5020	09/19/08	AOC10-5	5	6	6	0-06	--
AOC10-5-5021	09/19/08	AOC10-5	5	6	6	0-06	--
AOC10-6-5023	09/20/08	AOC10-6	0	0.5	0.5	0-0.5	--
AOC10-6-5024	09/20/08	AOC10-6	2	3	3	0-03	--
AOC10-7-5027	09/20/08	AOC10-7	0	0.5	0.5	0-0.5	--
AOC10-7-5028	09/20/08	AOC10-7	2	3	3	0-03	--
AOC10-7-5029	09/20/08	AOC10-7	5	6	6	0-06	--
AOC10-8-5031	08/22/08	AOC10-8	0	0.5	0.5	0-0.5	--
AOC10-8-5033	08/22/08	AOC10-8	0	0.5	0.5	0-0.5	--
AOC10-9-5229	12/07/15	AOC10-9	0	1	0.5	0-0.5	--
AOC10-9-5230	12/07/15	AOC10-9	2	3	3	0-03	--
AOC10a-1-5036	10/17/08	AOC10a-1	0	0.5	0.5	0-0.5	--
AOC10a-2-5233	01/13/16	AOC10a-2	0	1	0.5	0-0.5	--
AOC10a-2-5234	01/13/16	AOC10a-2	2	3	3	0-03	--
AOC10a-2-5235	01/13/16	AOC10a-2	5	6	6	0-06	--
AOC10a-2-5236	01/13/16	AOC10a-2	9	10	10	0-10	--
AOC10a-3-5237	01/13/16	AOC10a-3	0	1	0.5	0-0.5	--
AOC10a-3-5238	01/13/16	AOC10a-3	2	3	3	0-03	--
AOC10a-3-5239	01/13/16	AOC10a-3	5	6	6	0-06	--
AOC10a-3-5240	01/13/16	AOC10a-3	9	10	10	0-10	--
AOC10a-4-5278	01/08/17	AOC10a-4	0	0.5	0.5	0-0.5	--
AOC10a-4-5279	01/08/17	AOC10a-4	2	3	3	0-03	--
AOC10a-4-5280	01/08/17	AOC10a-4	5	6	6	0-06	--
AOC10a-4-5281	01/08/17	AOC10a-4	9	10	10	0-10	--
AOC10b-1-5040	09/30/08	AOC10b-1	0	0.5	0.5	0-0.5	--
AOC10b-1-5041	09/30/08	AOC10b-1	2	3	3	0-03	--
AOC10b-1-5042	09/30/08	AOC10b-1	2	3	3	0-03	--
AOC10b-1-5043	09/30/08	AOC10b-1	5	6	6	0-06	--
AOC10b-1-5044	09/30/08	AOC10b-1	9	10	10	0-10	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10b-2-5045	09/30/08	AOC10b-2	0	0.5	0.5	0-0.5	--
AOC10b-2-5046	09/30/08	AOC10b-2	2	3	3	0-03	--
AOC10b-2-5047	09/30/08	AOC10b-2	5	6	6	0-06	--
AOC10b-2-5048	09/30/08	AOC10b-2	9	10	10	0-10	--
AOC10b-3-5049	09/30/08	AOC10b-3	0	0.5	0.5	0-0.5	--
AOC10b-3-5050	10/01/08	AOC10b-3	2	3	3	0-03	--
AOC10b-3-5051	10/01/08	AOC10b-3	5	6	6	0-06	--
AOC10b-3-5052	10/01/08	AOC10b-3	5	6	6	0-06	--
AOC10b-3-5053	10/01/08	AOC10b-3	9	10	10	0-10	--
AOC10b-4-5054	09/30/08	AOC10b-4	0	0.5	0.5	0-0.5	--
AOC10b-4-5055	09/30/08	AOC10b-4	2	3	3	0-03	--
AOC10b-4-5056	09/30/08	AOC10b-4	5	6	6	0-06	--
AOC10b-4-5057	09/30/08	AOC10b-4	9	10	10	0-10	--
AOC10c-1-5058	10/01/08	AOC10c-1	0	0.5	0.5	0-0.5	--
AOC10c-1-5059	10/01/08	AOC10c-1	2	3	3	0-03	--
AOC10c-1-5060	10/01/08	AOC10c-1	5	6	6	0-06	--
AOC10c-1-5061	10/01/08	AOC10c-1	9	10	10	0-10	--
AOC10c-2-5062	10/01/08	AOC10c-2	0	0.5	0.5	0-0.5	--
AOC10c-2-5063	10/01/08	AOC10c-2	2	3	3	0-03	--
AOC10c-2-5064	10/01/08	AOC10c-2	2	3	3	0-03	--
AOC10c-2-5065	10/01/08	AOC10c-2	5	6	6	0-06	--
AOC10c-2-5066	10/01/08	AOC10c-2	9	10	10	0-10	--
AOC10c-3-5067	10/02/08	AOC10c-3	0	0.5	0.5	0-0.5	--
AOC10c-3-5068	10/02/08	AOC10c-3	2	3	3	0-03	--
AOC10c-3-5069	10/02/08	AOC10c-3	2	3	3	0-03	--
AOC10c-3-5070	10/02/08	AOC10c-3	5	6	6	0-06	--
AOC10c-3-5071	10/02/08	AOC10c-3	9	10	10	0-10	--
AOC10c-4-5072	10/01/08	AOC10c-4	0	0.5	0.5	0-0.5	--
AOC10c-4-5073	10/01/08	AOC10c-4	2	3	3	0-03	--
AOC10c-4-5074	10/01/08	AOC10c-4	5	6	6	0-06	--
AOC10c-4-5075	10/01/08	AOC10c-4	9	10	10	0-10	--
AOC10c-5-5076	10/01/08	AOC10c-5	0	0.5	0.5	0-0.5	--
AOC10c-5-5077	10/01/08	AOC10c-5	2	3	3	0-03	--
AOC10c-5-5078	10/01/08	AOC10c-5	5	6	6	0-06	--
AOC10c-5-5079	10/01/08	AOC10c-5	9	10	10	0-10	--
AOC10c-6-5241	01/21/16	AOC10c-6	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5242	01/22/16	AOC10c-6	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5247	01/22/16	AOC10c-6	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10c-6-5248	01/22/16	AOC10c-6	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5249	01/22/16	AOC10c-6	40	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC10c-6-5250	01/22/16	AOC10c-6	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC10d-1-5080	09/18/08	AOC10d-1	0	0.5	0.5	0-0.5	--
AOC10d-1-5081	09/18/08	AOC10d-1	2	3	3	0-03	--
AOC10d-1-5082	09/18/08	AOC10d-1	5	6	6	0-06	--
AOC10d-1-5083	09/18/08	AOC10d-1	5	6	6	0-06	--
AOC10d-1-5084	09/18/08	AOC10d-1	9	10	10	0-10	--
AOC10d-2-5085	09/17/08	AOC10d-2	0	0.5	0.5	0-0.5	--
AOC10d-2-5086	09/17/08	AOC10d-2	2	3	3	0-03	--
AOC10d-2-5087	09/17/08	AOC10d-2	5	6	6	0-06	--
AOC10d-2-5088	09/17/08	AOC10d-2	9	10	10	0-10	--
AOC10d-3-5089	09/17/08	AOC10d-3	0	0.5	0.5	0-0.5	--
AOC10d-3-5090	09/18/08	AOC10d-3	2	3	3	0-03	--
AOC10d-3-5091	09/18/08	AOC10d-3	5	6	6	0-06	--
AOC10d-3-5092	09/18/08	AOC10d-3	5	6	6	0-06	--
AOC10d-3-5093	09/18/08	AOC10d-3	9	10	10	0-10	--
AOC10d-4-5094	09/18/08	AOC10d-4	0	0.5	0.5	0-0.5	--
AOC10d-4-5095	09/18/08	AOC10d-4	2	3	3	0-03	--
AOC10d-4-5096	09/18/08	AOC10d-4	5	6	6	0-06	--
AOC10d-4-5097	09/18/08	AOC10d-4	9	10	10	0-10	--
AOC10d-9-5243	12/15/15	AOC10d-9	0	1	0.5	0-0.5	--
AOC10d-9-5244	12/15/15	AOC10d-9	2	3	3	0-03	--
AOC10d-9-5245	12/15/15	AOC10d-9	5	6	6	0-06	--
AOC10d-9-5246	12/15/15	AOC10d-9	9	10	10	0-10	--
AOC10-XRF-01-5098	08/25/08	AOC10-XRF-01	0	0.5	0.5	0-0.5	--
AOC10-XRF-02-5099	08/25/08	AOC10-XRF-02	0	0.5	0.5	0-0.5	--
AOC10-XRF-03-5100	08/25/08	AOC10-XRF-03	0	0.5	0.5	0-0.5	--
AOC10-XRF-10-5107	09/21/08	AOC10-XRF-10	3	4	4	0-06	--
AOC11-1-6100	01/05/16	AOC11-1	0	1	0.5	0-0.5	--
AOC11-1-6101	01/05/16	AOC11-1	0	1	0.5	0-0.5	--
AOC11-1-6102	01/05/16	AOC11-1	2	3	3	0-03	--
AOC11-1-6103	01/05/16	AOC11-1	5	6	6	0-06	--
AOC11-1-6104	01/05/16	AOC11-1	9	10	10	0-10	--
AOC11-2-6105	01/05/16	AOC11-2	0	1	0.5	0-0.5	--
AOC11-2-6106	01/05/16	AOC11-2	2	3	3	0-03	--
AOC11-2-6107	01/05/16	AOC11-2	5	6	6	0-06	--
AOC11-2-6108	01/05/16	AOC11-2	9	10	10	0-10	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11-2-6109	01/05/16	AOC11-2	9	10	10	0-10	--
AOC11-3-6110	01/05/16	AOC11-3	0	1	0.5	0-0.5	--
AOC11-3-6111	01/05/16	AOC11-3	2	3	3	0-03	--
AOC11-3-6112	01/05/16	AOC11-3	5	6	6	0-06	--
AOC11-3-6113	01/05/16	AOC11-3	9	10	10	0-10	--
AOC11-3-6114	01/05/16	AOC11-3	9	10	10	0-10	--
AOC11-4-6115	01/05/16	AOC11-4	0	1	0.5	0-0.5	--
AOC11-4-6116	01/05/16	AOC11-4	2	3	3	0-03	--
AOC11-4-OS1-D1	06/11/14	AOC11-4-OS1	0	0	0	0-0.5	--
AOC11-4-OS1-D2	06/11/14	AOC11-4-OS1	2	3	3	0-03	--
AOC11-4-OS3-D1	06/11/14	AOC11-4-OS3	0	0	0	0-0.5	--
AOC11-4-OS3-D2	06/11/14	AOC11-4-OS3	2	3	3	0-03	--
AOC11-4-OS3-D99	06/11/14	AOC11-4-OS3	2	3	3	0-03	--
AOC11-4-OS4-D1	06/11/14	AOC11-4-OS4	0	0	0	0-0.5	--
AOC11-4-OS4-D2	06/11/14	AOC11-4-OS4	2	3	3	0-03	--
AOC11-4-OS4-D3	06/11/14	AOC11-4-OS4	5	6	6	0-06	--
AOC11-4-OS5-D1	06/11/14	AOC11-4-OS5	0	0	0	0-0.5	--
AOC11-4-OS5-D2	06/11/14	AOC11-4-OS5	2	3	3	0-03	--
AOC11-4-OS5-D99	06/11/14	AOC11-4-OS5	5	6	6	0-06	--
AOC11-4-OS6-D1	06/11/14	AOC11-4-OS6	0	0	0	0-0.5	--
AOC11-4-OS6-D2	06/11/14	AOC11-4-OS6	2	3	3	0-03	--
AOC11-5-6119	02/03/16	AOC11-5	0	0.5	0.5	0-0.5	--
AOC11-5-6120	02/03/16	AOC11-5	2	3	3	0-03	--
AOC11-5-6121	02/03/16	AOC11-5	5	6	6	0-06	--
AOC11-5-6122	02/03/16	AOC11-5	9	10	10	0-10	--
AOC11-6-6123	01/06/16	AOC11-6	0	1	0.5	0-0.5	--
AOC11-6-6124	01/06/16	AOC11-6	2	3	3	0-03	--
AOC11-6-6125	01/06/16	AOC11-6	5	6	6	0-06	--
AOC11-6-6126	01/06/16	AOC11-6	9	10	10	0-10	--
AOC11-7-6127	01/06/16	AOC11-7	0	1	0.5	0-0.5	--
AOC11-7-6128	01/06/16	AOC11-7	2	3	3	0-03	--
AOC11-7-6129	01/06/16	AOC11-7	5	6	6	0-06	--
AOC11-8-6131	12/06/15	AOC11-8	0	1	0.5	0-0.5	--
AOC11-8-6132	12/06/15	AOC11-8	2	3	3	0-03	--
AOC11-9-6135	12/06/15	AOC11-9	0	1	0.5	0-0.5	--
AOC11-9-6136	12/06/15	AOC11-9	2	3	3	0-03	--
AOC11a-1-6001	09/21/08	AOC11a-1	0	0.5	0.5	0-0.5	--
AOC11a-1-6002	09/21/08	AOC11a-1	2	3	3	0-03	--
AOC11a-1-6003	09/21/08	AOC11a-1	5	6	6	0-06	--
AOC11a-1-6004	09/21/08	AOC11a-1	9	10	10	0-10	--
AOC11a-2-6005	09/21/08	AOC11a-2	0	0.5	0.5	0-0.5	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11a-2-6006	09/21/08	AOC11a-2	2	3	3	0-03	--
AOC11a-2-6007	09/21/08	AOC11a-2	5	6	6	0-06	--
AOC11a-2-6008	09/21/08	AOC11a-2	9	10	10	0-10	--
AOC11a-3-6009	09/20/08	AOC11a-3	0	0.5	0.5	0-0.5	--
AOC11a-3-6010	09/20/08	AOC11a-3	2	3	3	0-03	--
AOC11a-3-6011	09/20/08	AOC11a-3	2	3	3	0-03	--
AOC11a-3-6012	09/20/08	AOC11a-3	5	6	6	0-06	--
AOC11a-3-6013	09/20/08	AOC11a-3	9	10	10	0-10	--
AOC11a-4-6014	09/20/08	AOC11a-4	0	0.5	0.5	0-0.5	--
AOC11a-4-6015	09/20/08	AOC11a-4	2	3	3	0-03	--
AOC11a-4-6016	09/20/08	AOC11a-4	5	6	6	0-06	--
AOC11a-4-6017	09/20/08	AOC11a-4	9	10	10	0-10	--
AOC11a-5-6018	09/21/08	AOC11a-5	0	0.5	0.5	0-0.5	--
AOC11a-5-6019	09/21/08	AOC11a-5	2	3	3	0-03	--
AOC11a-5-6020	09/21/08	AOC11a-5	5	6	6	0-06	--
AOC11a-5-6021	09/21/08	AOC11a-5	5	6	6	0-06	--
AOC11a-5-6022	09/21/08	AOC11a-5	9	10	10	0-10	--
AOC11a-SS-1-6055	09/21/08	AOC11a-SS1	0	0.5	0.5	0-0.5	--
AOC11a-SS-1-6056	09/21/08	AOC11a-SS1	2	3	3	0-03	--
AOC11a-SS-1-6057	09/21/08	AOC11a-SS1	5	6	6	0-06	--
AOC11a-SS-1-6058	09/21/08	AOC11a-SS1	9	10	10	0-10	--
AOC11a-SS-2-6059	09/21/08	AOC11a-SS2	0	0.5	0.5	0-0.5	--
AOC11a-SS-2-6060	09/21/08	AOC11a-SS2	2	3	3	0-03	--
AOC11a-SS-3-6063	09/20/08	AOC11a-SS3	0	0.5	0.5	0-0.5	--
AOC11a-SS-3-6064	09/20/08	AOC11a-SS3	2	3	3	0-03	--
AOC11a-SS-3-6065	09/20/08	AOC11a-SS3	5	6	6	0-06	--
AOC11a-SS-3-6066	09/20/08	AOC11a-SS3	9	10	10	0-10	--
AOC11b-1-6023	09/17/08	AOC11b-1	0	0.5	0.5	0-0.5	--
AOC11b-1-6024	09/17/08	AOC11b-1	0	0.5	0.5	0-0.5	--
AOC11b-1-6025	09/17/08	AOC11b-1	2	3	3	0-03	--
AOC11b-1-6026	09/17/08	AOC11b-1	5	6	6	0-06	--
AOC11b-1-6027	09/17/08	AOC11b-1	9	10	10	0-10	--
AOC11b-2-6028	09/17/08	AOC11b-2	0	0.5	0.5	0-0.5	--
AOC11b-2-6029	09/17/08	AOC11b-2	2	3	3	0-03	--
AOC11b-2-6030	09/17/08	AOC11b-2	5	6	6	0-06	--
AOC11b-2-6031	09/17/08	AOC11b-2	9	10	10	0-10	--
AOC11c-1-6032	09/21/08	AOC11c-1	0	0.5	0.5	0-0.5	--
AOC11c-1-6033	09/22/08	AOC11c-1	2	3	3	0-03	--
AOC11c-1-6034	09/22/08	AOC11c-1	2	3	3	0-03	--
AOC11c-1-6035	09/22/08	AOC11c-1	5	6	6	0-06	--
AOC11c-1-6036	09/22/08	AOC11c-1	9	10	10	0-10	--

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Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11c-2-6037	09/21/08	AOC11c-2	0	0.5	0.5	0-0.5	--
AOC11c-2-6038	09/22/08	AOC11c-2	2	3	3	0-03	--
AOC11c-2-6039	09/22/08	AOC11c-2	5	6	6	0-06	--
AOC11c-2-6040	09/22/08	AOC11c-2	9	10	10	0-10	--
AOC11c-3-6139	02/03/16	AOC11C-3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-3-6140	02/03/16	AOC11C-3	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-3-6141	02/03/16	AOC11C-3	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-4-6146	01/28/16	AOC11c-4	0	1	0.5	0-0.5	--
AOC11c-4-6147	01/28/16	AOC11c-4	2	3	3	0-03	--
AOC11c-4-6148	01/28/16	AOC11c-4	5	6	6	0-06	--
AOC11c-4-6149	01/28/16	AOC11c-4	9	10	10	0-10	--
AOC11c-4-6150	01/28/16	AOC11c-4	9	10	10	0-10	--
AOC11c-4-6151	02/02/16	AOC11c-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-4-6152	02/02/16	AOC11c-4	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC11c-SS-1-6067	09/21/08	AOC11c-SS1	0	0.5	0.5	0-0.5	--
AOC11c-SS-1-6068	09/22/08	AOC11c-SS1	2	3	3	0-03	--
AOC11c-SS-1-6069	09/22/08	AOC11c-SS1	5	6	6	0-06	--
AOC11c-SS-1-6070	09/22/08	AOC11c-SS1	9	10	10	0-10	--
AOC11c-SS-2-6071	09/22/08	AOC11c-SS2	0	0.5	0.5	0-0.5	--
AOC11c-SS-2-6072	09/22/08	AOC11c-SS2	2	3	3	0-03	--
AOC11c-SS-2-6073	09/22/08	AOC11c-SS2	5	6	6	0-06	--
AOC11c-SS-2-6074	09/22/08	AOC11c-SS2	9	10	10	0-10	--
AOC11d-1-6041	09/23/08	AOC11d-1	0	0.5	0.5	0-0.5	--
AOC11d-1-6042	09/23/08	AOC11d-1	0	0.5	0.5	0-0.5	--
AOC11d-1-6043	09/23/08	AOC11d-1	2.5	3	3	0-03	--
AOC11d-1-6044	09/23/08	AOC11d-1	5	6	6	0-06	--
AOC11d-1-6045	09/23/08	AOC11d-1	9	10	10	0-10	--
AOC11e-1-6046	09/23/08	AOC11e-1	0	0.5	0.5	0-0.5	--
AOC11e-1-6047	09/23/08	AOC11e-1	2.5	3	3	0-03	--
AOC11e-1-6048	09/23/08	AOC11e-1	5.5	6	6	0-06	--
AOC11e-1-6049	09/23/08	AOC11e-1	9.5	10	10	0-10	--
AOC11e-2-6050	09/24/08	AOC11e-2	0	0.5	0.5	0-0.5	--
AOC11e-2-6051	09/24/08	AOC11e-2	2	3	3	0-03	--
AOC11e-2-6052	09/24/08	AOC11e-2	2	3	3	0-03	--
AOC11e-2-6053	09/24/08	AOC11e-2	5	6	6	0-06	--
AOC11e-2-6054	09/24/08	AOC11e-2	9	10	10	0-10	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11e-3-6153	01/08/16	AOC11e-3	0	1	0.5	0-0.5	--
AOC11e-3-6154	01/08/16	AOC11e-3	0	1	0.5	0-0.5	--
AOC11e-3-6155	01/10/16	AOC11e-3	2	3	3	0-03	--
AOC11e-3-6156	01/10/16	AOC11e-3	5	6	6	0-06	--
AOC11e-3-6157	01/10/16	AOC11e-3	9	10	10	0-10	--
AOC11e-3-6158	01/10/16	AOC11e-3	13	14	14	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-4-6159	01/28/16	AOC11e-4	0	1	0.5	0-0.5	--
AOC11e-4-6160	01/28/16	AOC11e-4	2	3	3	0-03	--
AOC11e-4-6161	01/28/16	AOC11e-4	5	6	6	0-06	--
AOC11e-4-6164	01/28/16	AOC11e-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6165	01/19/16	AOC11e-5	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6166	01/19/16	AOC11e-5	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6167	01/19/16	AOC11e-5	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6168	01/19/16	AOC11e-5	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6169	01/20/16	AOC11e-5	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6170	01/21/16	AOC11e-5	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
AOC11e-5-6171	01/21/16	AOC11e-5	69	70	70	NE	Excluded from HHERA (> 10 ft bgs)
AOC11E-6-6172	12/03/15	AOC11e-6	0	1	0.5	0-0.5	--
AOC11e-SS-1-6075	09/23/08	AOC11e-SS1	0	0.5	0.5	0-0.5	--
AOC11e-SS-1-6076	09/23/08	AOC11e-SS1	2.5	3	3	0-03	--
AOC11e-SS-1-6077	09/23/08	AOC11e-SS1	5.5	6	6	0-06	--
AOC11e-SS-1-6078	09/23/08	AOC11e-SS1	9.5	10	10	0-10	--
AOC11e-SS-2-6079	09/23/08	AOC11e-SS2	0	0.5	0.5	0-0.5	--
AOC11e-SS-2-6080	09/23/08	AOC11e-SS2	2.5	3	3	0-03	--
AOC11e-SS-2-6081	09/23/08	AOC11e-SS2	5.5	6	6	0-06	--
AOC11e-SS-2-6082	09/23/08	AOC11e-SS2	5.5	6	6	0-06	--
AOC11e-SS-2-6083	09/23/08	AOC11e-SS2	9.5	10	10	0-10	--
AOC12a-T1a-7001	09/22/08	AOC12a-T1a	0	0.5	0.5	0-0.5	--
AOC12a-T1a-7002	09/22/08	AOC12a-T1a	2	3	3	0-03	--
AOC12a-T1b-7003	09/22/08	AOC12a-T1a	7	8	8	0-10	--
AOC12a-T1c-7004	09/22/08	AOC12a-T1c	7	8	8	0-10	--
AOC12a-T2a-7005	09/22/08	AOC12a-T2a	6	7	7	0-10	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC12a-T2b-7006	09/22/08	AOC12a-T2b	7	8	8	0-10	--
AOC12b-T1a-7009	09/20/08	AOC12b-T1a	2	3	3	0-03	--
AOC12b-T1b-7010	09/20/08	AOC12b-T1b	2	3	3	0-03	--
AOC12c-T1a-7014	09/20/08	AOC12c-T1a	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC12c-T1b-7015	09/20/08	AOC12c-T1a	0	0.5	0.5	0-0.5	--
AOC12c-T1b-7016	09/20/08	AOC12c-T1a	2	3	3	0-03	--
AOC12c-T1c-7017	09/20/08	AOC12c-T1b	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC12c-T1c-7023	09/22/08	AOC12c-T1b	3	4	4	0-06	--
AOC12c-T2a-7018	09/20/08	AOC12c-T2a	7	8	8	0-10	--
AOC12c-T2b-7019	09/20/08	AOC12c-T2b	7	8	8	0-10	--
AOC12c-T2c-7020	09/20/08	AOC12c-T1b	2	3	3	0-03	--
AOC12c-T2d-7021	09/20/08	AOC12c-T1c	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC12c-T2d-7022	09/20/08	AOC12c-T1c	10	11	11	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-10-8050	10/01/08	AOC14-10	0	0.5	0.5	0-0.5	--
AOC14-10-8051	10/01/08	AOC14-10	2	3	3	0-03	--
AOC14-10-8052	10/01/08	AOC14-10	5	6	6	0-06	--
AOC14-10-8053	10/01/08	AOC14-10	5	6	6	0-06	--
AOC14-10-8054	10/01/08	AOC14-10	9	10	10	0-10	--
AOC14-10-8055	10/01/08	AOC14-10	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-11-8056	10/01/08	AOC14-11	5	6	6	0-06	--
AOC14-11-8057	10/01/08	AOC14-11	9	10	10	0-10	--
AOC14-11-8058	10/01/08	AOC14-11	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-12-8059	09/30/08	AOC14-12	5	6	6	0-06	--
AOC14-12-8060	09/30/08	AOC14-12	9	10	10	0-10	--
AOC14-12-8061	09/30/08	AOC14-12	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-13-8062	09/30/08	AOC14-13	5	6	6	0-06	--
AOC14-13-8063	09/30/08	AOC14-13	9	10	10	0-10	--
AOC14-13-8064	09/30/08	AOC14-13	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-13-8065	09/30/08	AOC14-13	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-14E-8127	02/18/16	AOC14-14E	0	1	0.5	0-0.5	--
AOC14-14E-8128	02/18/16	AOC14-14E	2	3	3	0-03	--
AOC14-14E-8129	02/18/16	AOC14-14E	2	3	3	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-14E-8130	02/18/16	AOC14-14E	5	5.5	5.5	0-06	--
AOC14-14E-8131	02/18/16	AOC14-14E	6	7	7	0-10	--
AOC14-14E-8132	02/18/16	AOC14-14E	9	10	10	0-10	--
AOC14-14W-8100	02/16/16	AOC14-14W	0	1	0.5	0-0.5	--
AOC14-14W-8101	02/16/16	AOC14-14W	2	3	3	0-03	--
AOC14-14W-8102	02/16/16	AOC14-14W	5	5.5	5.5	0-06	--
AOC14-14W-8103	02/16/16	AOC14-14W	6	7	7	0-10	--
AOC14-14W-8104	02/16/16	AOC14-14W	9	10	10	0-10	--
AOC14-15-8105	02/18/16	AOC14-15	0	1	0.5	0-0.5	--
AOC14-15-8106	02/18/16	AOC14-15	2	3	3	0-03	--
AOC14-15-8108	02/18/16	AOC14-15	5	6	6	0-06	--
AOC14-15-8109	02/18/16	AOC14-15	7	8	8	0-10	--
AOC14-16E-8133	02/23/16	AOC14-16E	0	1	0.5	0-0.5	--
AOC14-16E-8134	02/23/16	AOC14-16E	2	3	3	0-03	--
AOC14-16E-8135	02/23/16	AOC14-16E	5	6	6	0-06	--
AOC14-16E-8136	02/23/16	AOC14-16E	9	10	10	0-10	--
AOC14-16W-8111	02/22/16	AOC14-16W	0	1	0.5	0-0.5	--
AOC14-16W-8112	02/22/16	AOC14-16W	2	3	3	0-03	--
AOC14-16W-8113	02/22/16	AOC14-16W	5	6	6	0-06	--
AOC14-16W-8114	02/22/16	AOC14-16W	7	8	8	0-10	--
AOC14-16W-8115	02/22/16	AOC14-16W	9	10	10	0-10	--
AOC14-16W-8116	02/22/16	AOC14-16W	9	10	10	0-10	--
AOC14-17E-8137	02/24/16	AOC14-17E	9	10	10	0-10	--
AOC14-17W-8117	02/24/16	AOC14-17W	0	1	0.5	0-0.5	--
AOC14-17W-8118	02/24/16	AOC14-17W	2	3	3	0-03	--
AOC14-17W-8119	02/24/16	AOC14-17W	5	6	6	0-06	--
AOC14-17W-8120	02/24/16	AOC14-17W	9	10	10	0-10	--
AOC14-17W-8121	02/24/16	AOC14-17W	1	2	2	0-03	--
AOC14-1-8001	09/30/08	AOC14-1	0	0.5	0.5	0-0.5	--
AOC14-1-8002	09/30/08	AOC14-1	2	3	3	0-03	--
AOC14-1-8003	09/30/08	AOC14-1	5	6	6	0-06	--
AOC14-1-8004	09/30/08	AOC14-1	9	10	10	0-10	--
AOC14-1-8005	09/30/08	AOC14-1	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-18-8122	02/17/16	AOC14-18	0	1	0.5	0-0.5	--
AOC14-18-8123	02/17/16	AOC14-18	2	3	3	0-03	--
AOC14-18-8124	02/17/16	AOC14-18	5	6	6	0-06	--
AOC14-19-8125	02/17/16	AOC14-19	2	3	3	0-03	--
AOC14-19-8126	02/17/16	AOC14-19	3	4	4	0-06	--
AOC14-20-8138	04/26/17	AOC14-20	0	0.5	0.5	0-0.5	--
AOC14-20-8139	04/26/17	AOC14-20	2	3	3	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-20-8140	04/26/17	AOC14-20	5	6	6	0-06	--
AOC14-20-8141	04/26/17	AOC14-20	8	9	9	0-10	--
AOC14-21-8142	04/26/17	AOC14-21	0	0.5	0.5	0-0.5	--
AOC14-21-8143	04/26/17	AOC14-21	2	3	3	0-03	--
AOC14-21-8144	04/26/17	AOC14-21	2	3	3	0-03	--
AOC14-21-8145	04/26/17	AOC14-21	5	6	6	0-06	--
AOC14-21-8146	04/26/17	AOC14-21	9	10	10	0-10	--
AOC14-2-8006	09/30/08	AOC14-2	0	0.5	0.5	0-0.5	--
AOC14-2-8007	09/30/08	AOC14-2	2	3	3	0-03	--
AOC14-2-8008	09/30/08	AOC14-2	5	6	6	0-06	--
AOC14-2-8009	09/30/08	AOC14-2	9	10	10	0-10	--
AOC14-2-8010	09/30/08	AOC14-2	9	10	10	0-10	--
AOC14-2-8011	09/30/08	AOC14-2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-2-8088	10/01/08	AOC14-2	3	3.25	3.25	0-06	--
AOC14-3-8012	10/01/08	AOC14-3	0	0.5	0.5	0-0.5	--
AOC14-3-8013	10/01/08	AOC14-3	2	3	3	0-03	--
AOC14-3-8014	10/01/08	AOC14-3	5	6	6	0-06	--
AOC14-3-8015	10/01/08	AOC14-3	9	10	10	0-10	--
AOC14-3-8016	10/01/08	AOC14-3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-4-8017	10/01/08	AOC14-4	0	0.5	0.5	0-0.5	--
AOC14-4-8018	10/01/08	AOC14-4	2	3	3	0-03	--
AOC14-4-8019	10/01/08	AOC14-4	5	6	6	0-06	--
AOC14-4-8020	10/01/08	AOC14-4	9	10	10	0-10	--
AOC14-4-8021	10/01/08	AOC14-4	9	10	10	0-10	--
AOC14-4-8022	10/01/08	AOC14-4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-5-8023	10/02/08	AOC14-5	0	0.5	0.5	0-0.5	--
AOC14-5-8024	10/02/08	AOC14-5	2	3	3	0-03	--
AOC14-5-8025	10/02/08	AOC14-5	5	6	6	0-06	--
AOC14-5-8026	10/02/08	AOC14-5	9	10	10	0-10	--
AOC14-5-8027	10/02/08	AOC14-5	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-6-8028	10/02/08	AOC14-6	0	0.5	0.5	0-0.5	--
AOC14-6-8029	10/02/08	AOC14-6	2	3	3	0-03	--
AOC14-6-8030	10/02/08	AOC14-6	5	6	6	0-06	--
AOC14-6-8031	10/02/08	AOC14-6	9	10	10	0-10	--
AOC14-6-8032	10/02/08	AOC14-6	9	10	10	0-10	--
AOC14-6-8033	10/02/08	AOC14-6	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

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PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-7-8034	10/02/08	AOC14-7	0	0.5	0.5	0-0.5	--
AOC14-7-8035	10/02/08	AOC14-7	2	3	3	0-03	--
AOC14-7-8036	10/02/08	AOC14-7	5	6	6	0-06	--
AOC14-7-8037	10/02/08	AOC14-7	9	10	10	0-10	--
AOC14-7-8038	10/02/08	AOC14-7	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-8-8039	10/02/08	AOC14-8	0	0.5	0.5	0-0.5	--
AOC14-8-8040	10/02/08	AOC14-8	2	3	3	0-03	--
AOC14-8-8041	10/02/08	AOC14-8	5	6	6	0-06	--
AOC14-8-8042	10/02/08	AOC14-8	9	10	10	0-10	--
AOC14-8-8043	10/02/08	AOC14-8	9	10	10	0-10	--
AOC14-8-8044	10/02/08	AOC14-8	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-9-8045	10/01/08	AOC14-9	0	0.5	0.5	0-0.5	--
AOC14-9-8046	10/01/08	AOC14-9	2	3	3	0-03	--
AOC14-9-8047	10/01/08	AOC14-9	5	6	6	0-06	--
AOC14-9-8048	10/01/08	AOC14-9	9	10	10	0-10	--
AOC14-9-8049	10/01/08	AOC14-9	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-1-8066	10/01/08	AOC14-SS1	0	0.5	0.5	0-0.5	--
AOC14-SS-1-8067	10/01/08	AOC14-SS1	2	3	3	0-03	--
AOC14-SS-1-8068	10/01/08	AOC14-SS1	5	6	6	0-06	--
AOC14-SS-1-8069	10/01/08	AOC14-SS1	9	10	10	0-10	--
AOC14-SS-1-8070	10/01/08	AOC14-SS1	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-2-8071	10/01/08	AOC14-SS2	0	0.5	0.5	0-0.5	--
AOC14-SS-2-8072	10/01/08	AOC14-SS2	2	3	3	0-03	--
AOC14-SS-2-8073	10/01/08	AOC14-SS2	5	6	6	0-06	--
AOC14-SS-2-8074	10/01/08	AOC14-SS2	9	10	10	0-10	--
AOC14-SS-2-8075	10/01/08	AOC14-SS2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-2-8076	10/01/08	AOC14-SS2	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-3-8077	10/02/08	AOC14-SS3	0	0.5	0.5	0-0.5	--
AOC14-SS-3-8078	10/02/08	AOC14-SS3	2	3	3	0-03	--
AOC14-SS-3-8079	10/02/08	AOC14-SS3	5	6	6	0-06	--
AOC14-SS-3-8080	10/02/08	AOC14-SS3	9	10	10	0-10	--
AOC14-SS-3-8081	10/02/08	AOC14-SS3	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-4-8082	10/02/08	AOC14-SS4	0	0.5	0.5	0-0.5	--
AOC14-SS-4-8083	10/02/08	AOC14-SS4	2	3	3	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

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Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-SS-4-8084	10/02/08	AOC14-SS4	5	6	6	0-06	--
AOC14-SS-4-8085	10/02/08	AOC14-SS4	9	10	10	0-10	--
AOC14-SS-4-8086	10/02/08	AOC14-SS4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC14-SS-4-8087	10/02/08	AOC14-SS4	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC27-1-28545	03/18/16	AOC27-1	0	1	0.5	0-0.5	--
AOC27-1-28546	03/18/16	AOC27-1	2	3	3	0-03	--
AOC27-1-28547	03/18/16	AOC27-1	5	6	6	0-06	--
AOC27-1-28548	03/18/16	AOC27-1	9	10	10	0-10	--
AOC27-18-28528	03/17/16	AOC27-18	0	1	0.5	0-0.5	--
AOC27-18-28529	03/17/16	AOC27-18	2	3	3	0-03	--
AOC27-18-28530	03/17/16	AOC27-18	5	6	6	0-06	--
AOC27-18-28531	03/17/16	AOC27-18E	4	5	5	0-06	--
AOC27-18-28532	03/17/16	AOC27-18	9	10	10	0-10	--
AOC27-20-28508	03/01/16	AOC27-20	0	1	0.5	0-0.5	--
AOC27-20-28509	03/01/16	AOC27-20	2	3	3	0-03	--
AOC27-20-28510	03/01/16	AOC27-20	2	3	3	0-03	--
AOC27-20-28511	03/01/16	AOC27-20	5	6	6	0-06	--
AOC27-20-28512	03/01/16	AOC27-20	9	10	10	0-10	--
AOC27-2-28541	03/18/16	AOC27-2	0	1	0.5	0-0.5	--
AOC27-2-28542	03/18/16	AOC27-2	2	3	3	0-03	--
AOC27-2-28543	03/18/16	AOC27-2	5	6	6	0-06	--
AOC27-2-28544	03/18/16	AOC27-2	9	10	10	0-10	--
AOC27-24-28549	03/18/16	AOC27-24	0	1	0.5	0-0.5	--
AOC27-24-28550	03/18/16	AOC27-24	2	3	3	0-03	--
AOC27-24-28551	03/18/16	AOC27-24	5	6	6	0-06	--
AOC27-24-28552	03/18/16	AOC27-24	9	10	10	0-10	--
AOC27-24SW-28553	03/18/16	AOC27-24SW	0	1	0.5	0-0.5	--
AOC27-24SW-28554	03/18/16	AOC27-24SW	2	3	3	0-03	--
AOC27-24SW-28555	03/18/16	AOC27-24SW	5	6	6	0-06	--
AOC27-24SW-28556	03/18/16	AOC27-24SW	9	10	10	0-10	--
AOC27-27-28517	03/02/16	AOC27-27	0	1	0.5	0-0.5	--
AOC27-27-28518	03/02/16	AOC27-27	2	3	3	0-03	--
AOC27-36-28524	03/17/16	AOC27-36	0	1	0.5	0-0.5	--
AOC27-36-28525	03/17/16	AOC27-36	2	3	3	0-03	--
AOC27-36-28526	03/17/16	AOC27-36	5	6	6	0-06	--
AOC27-36-28527	03/17/16	AOC27-36	9.6	10	10	0-10	--
AOC27-4-28537	03/17/16	AOC27-4	0	1	0.5	0-0.5	--
AOC27-4-28538	03/17/16	AOC27-4	0	1	0.5	0-0.5	--
AOC27-4-28539	03/17/16	AOC27-4	2	3	3	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC27-4-28540	03/17/16	AOC27-4	5	6	6	0-06	--
AOC27-50-28513	03/02/16	AOC27-50	0	1	0.5	0-0.5	--
AOC27-50-28514	03/02/16	AOC27-50	2	3	3	0-03	--
AOC27-50-28515	03/02/16	AOC27-50	5	6	6	0-06	--
AOC27-50-28516	03/02/16	AOC27-50	9	10	10	0-10	--
AOC27-51-28557	02/17/17	AOC27-51	0	0.5	0.5	0-0.5	--
AOC27-51-28558	02/17/17	AOC27-51	2	3	3	0-03	--
AOC27-51-28559	02/17/17	AOC27-51	5	6	6	0-06	--
AOC27-5-28533	03/17/16	AOC27-5	0	1	0.5	0-0.5	--
AOC27-5-28534	03/17/16	AOC27-5	2	3	3	0-03	--
AOC27-5-28535	03/17/16	AOC27-5	5	6	6	0-06	--
AOC27-5-28536	03/17/16	AOC27-5	9	10	10	0-10	--
AOC27-6-28500	02/29/16	AOC27-6	0	1	0.5	0-0.5	--
AOC27-6-28501	02/29/16	AOC27-6	2	3	3	0-03	--
AOC27-6-28502	02/29/16	AOC27-6	5	6	6	0-06	--
AOC27-7-28503	02/29/16	AOC27-7	0	1	0.5	0-0.5	--
AOC27-7-28504	02/29/16	AOC27-7	2	3	3	0-03	--
AOC27-7-28505	03/01/16	AOC27-7	5	6	6	0-06	--
AOC27-8-28506	03/01/16	AOC27-8	1	2	2	0-03	--
AOC27-8-28507	03/01/16	AOC27-8	5	6	6	0-06	--
AOC27-9-28519	03/08/16	AOC27-9	0	1	0.5	0-0.5	--
AOC27-9-28520	03/08/16	AOC27-9	0	1	0.5	0-0.5	--
AOC27-9-28521	03/08/16	AOC27-9	2	3	3	0-03	--
AOC27-9-28522	03/08/16	AOC27-9	5	6	6	0-06	--
AOC27-9-28523	03/08/16	AOC27-9	9	10	10	0-10	--
AOC28a-01-34000	12/17/15	AOC28a-01	0	0.5	0.5	0-0.5	--
AOC28a-01-34001	12/17/15	AOC28a-01	2	3	3	0-03	--
AOC28a-01-34002	12/17/15	AOC28a-01	2	3	3	0-03	--
AOC28b-01-34003	12/17/15	AOC28b-01	0	0.5	0.5	0-0.5	--
AOC28c-01-34004	12/17/15	AOC28c-01	0	0.5	0.5	0-0.5	--
AOC28c-01-34005	12/17/15	AOC28c-01	2	3	3	0-03	--
AOC4-19-3106	11/20/15	AOC4-19	0	1	0.5	0-0.5	--
AOC4-19-3107	11/20/15	AOC4-19	2	3	3	0-03	--
AOC4-20-3108	11/20/15	AOC4-20	0	1	0.5	0-0.5	--
AOC4-21-3110	11/20/15	AOC4-21	0	1	0.5	0-0.5	--
AOC4-22-3112	11/20/15	AOC4-22	0	1	0.5	0-0.5	--
AOC4-33-3182	02/14/17	AOC4-33	0	0.5	0.5	0-0.5	--
AOC4-33-3183	02/14/17	AOC4-33	2	3	3	0-03	--
AOC4-34-3184	02/14/17	AOC4-34	0	0.5	0.5	0-0.5	--
AOC4-35-3186	02/14/17	AOC4-35	0	0.5	0.5	0-0.5	--
AOC4-A01-10002	03/02/10	AOC4-A01	0	0	0	0-0.5	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-A01minus-10004	03/02/10	AOC4-A01minus	0	0	0	0-0.5	--
AOC4-A01S-50001	04/21/10	AOC4-A01S	0	0	0	0-0.5	--
AOC4-A02-10005	02/24/10	AOC4-A02	0	0	0	0-0.5	--
AOC4-A03-10010	03/01/10	AOC4-A03	0	0	0	0-0.5	--
AOC4-A04-10014	07/27/10	AOC4-A04	0	0	0	0-0.5	--
AOC4-A05-10017	07/26/10	AOC4-A05	0	0	0	0-0.5	--
AOC4-A06_A07-70000	08/10/10	AOC4-A06_A07	0	0	0	0-0.5	--
AOC4-A06-10021	07/26/10	AOC4-A06	0	0	0	0-0.5	--
AOC4-A25-20002	03/01/10	AOC4-A03	0	0	0	0-0.5	--
AOC4-B01-10082	03/03/10	AOC4-B01	0	0	0	0-0.5	--
AOC4-B01S-50007	04/21/10	AOC4-B01S	0	0	0	0-0.5	--
AOC4-B02-10086	03/17/10	AOC4-B02	0	0	0	0-0.5	--
AOC4-B03-10089	03/03/10	AOC4-B03	0	0	0	0-0.5	--
AOC4-B04-10093	03/12/10	AOC4-B04	0	0	0	0-0.5	--
AOC4-B05-10097	07/26/10	AOC4-B05	0	0	0	0-0.5	--
AOC4-B06_B07-70001	08/10/10	AOC4-B06_B07	0	0	0	0-0.5	--
AOC4-B06-10101	07/26/10	AOC4-B06	0	0	0	0-0.5	--
AOC4-B25-20004	04/21/10	AOC4-B01S	0	0	0	0-0.5	--
AOC4-C01-10162	03/02/10	AOC4-C01	0	0	0	0-0.5	--
AOC4-C01S-50012	04/22/10	AOC4-C01S	0	0	0	0-0.5	--
AOC4-C02-10166	03/29/10	AOC4-C02	0	0	0	0-0.5	--
AOC4-C03-10169	03/18/10	AOC4-C03	0	0	0	0-0.5	--
AOC4-C04-10173	03/18/10	AOC4-C04	0	0	0	0-0.5	--
AOC4-C05-10177	07/26/10	AOC4-C05	0	0	0	0-0.5	--
AOC4-C06_C07-20002	08/10/10	AOC4-C06_C07	0	0	0	0-0.5	--
AOC4-C06_C07-70002	08/10/10	AOC4-C06_C07	0	0	0	0-0.5	--
AOC4-C06-10181	07/26/10	AOC4-C06	0	0	0	0-0.5	--
AOC4-D01-10242	03/24/10	AOC4-D01	0	0	0	0-0.5	--
AOC4-D01S-50016	04/12/10	AOC4-D01S	0	0	0	0-0.5	--
AOC4-D02-10245	03/19/10	AOC4-D02	0	0	0	0-0.5	--
AOC4-D03-10249	03/19/10	AOC4-D03	0	0	0	0-0.5	--
AOC4-D04-10253	03/19/10	AOC4-D04	0	0	0	0-0.5	--
AOC4-D05-10257	07/26/10	AOC4-D05	0	0	0	0-0.5	--
AOC4-D06_D07-70003	08/10/10	AOC4-D06_D07	0	0	0	0-0.5	--
AOC4-D06-10261	07/27/10	AOC4-D06	0	0	0	0-0.5	--
AOC4DAM-OS1-3214	02/22/17	AOC4-DAM-OS1	0	0.2	0.2	0-0.5	--
AOC4DAM-OS1-3215	02/22/17	AOC4-DAM-OS1	1	1.5	1.5	0-03	--
AOC4DAM-OS2-3217	02/22/17	AOC4-DAM-OS2	0	0.2	0.2	0-0.5	--
AOC4DAM-OS2-3218	02/22/17	AOC4-DAM-OS2	1	1.5	1.5	0-03	--
AOC4-E01S-50022	04/22/10	AOC4-E01S	0	0	0	0-0.5	--
AOC4-E02-10326	04/16/10	AOC4-E02	0	0	0	0-0.5	--

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PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-E03-10329	03/25/10	AOC4-E03	0	0	0	0-0.5	--
AOC4-E04-10333	03/25/10	AOC4-E04	0	0	0	0-0.5	--
AOC4-E05-10337	07/27/10	AOC4-E05	0	0	0	0-0.5	--
AOC4-E06_E07-70004	08/10/10	AOC4-E06_E07	0	0	0	0-0.5	--
AOC4-E06-10341	07/27/10	AOC4-E06	0	0	0	0-0.5	--
AOC4-E25-20337	07/27/10	AOC4-E05	0	0	0	0-0.5	--
AOC4-F01S-50027	04/22/10	AOC4-F01S	0	0	0	0-0.5	--
AOC4-F02-10405	03/31/10	AOC4-F02	0	0	0	0-0.5	--
AOC4-F03-10409	03/31/10	AOC4-F03	0	0	0	0-0.5	--
AOC4-F04-10413	03/31/10	AOC4-F04	0	0	0	0-0.5	--
AOC4-F05-10417	08/09/10	AOC4-F05	0	0	0	0-0.5	--
AOC4-G01S-50032	04/22/10	AOC4-G01S	0	0	0	0-0.5	--
AOC4-G04-10493	08/04/10	AOC4-G04	0	0	0	0-0.5	--
AOC4-G05-10497	08/05/10	AOC4-G05	0	0	0	0-0.5	--
AOC4-G06-10502	08/09/10	AOC4-G06	0	0	0	0-0.5	--
AOC4-GB10-11234	02/10/10	AOC4-GB10	0	0.5	0.5	0-0.5	--
AOC4-GB11-11235	02/10/10	AOC4-GB11	0	0.5	0.5	0-0.5	--
AOC4-GB12-11236	02/10/10	AOC4-GB12	0	0.5	0.5	0-0.5	--
AOC4-GB15-21235	02/10/10	AOC4-GB11	0	0.5	0.5	0-0.5	--
AOC4-H04-10573	07/27/10	AOC4-H04	0	0	0	0-0.5	--
AOC4-H05-10578	08/05/10	AOC4-H05	0	0	0	0-0.5	--
AOC4-I04-10654	05/19/10	AOC4-I04	0	0	0	0-0.5	--
AOC4-I05-10657	05/24/10	AOC4-I05	0	0	0	0-0.5	--
AOC4-I06_I07-70008	08/13/10	AOC4-I06_I07	0	0	0	0-0.5	--
AOC4-I06-10661	08/11/10	AOC4-I06	0	0	0	0-0.5	--
AOC4-J02-10725	05/10/10	AOC4-J02	0	0	0	0-0.5	--
AOC4-J03-10730	05/17/10	AOC4-J03	0	0	0	0-0.5	--
AOC4-J04-10733	06/15/10	AOC4-J04	0	0	0	0-0.5	--
AOC4-J05-10737	06/07/10	AOC4-J05	0	0	0	0-0.5	--
AOC4-J06_J07-70009	08/13/10	AOC4-J06_J07	0	0	0	0-0.5	--
AOC4-J06-10741	06/07/10	AOC4-J06	0	0	0	0-0.5	--
AOC4-K02-10805	05/17/10	AOC4-K02	0	0	0	0-0.5	--
AOC4-K03-10809	05/17/10	AOC4-K03	0	0	0	0-0.5	--
AOC4-K04-10813	06/16/10	AOC4-K04	0	0	0	0-0.5	--
AOC4-K05-10818	06/15/10	AOC4-K05	0	0	0	0-0.5	--
AOC4-K06-10821	06/15/10	AOC4-K06	0	0	0	0-0.5	--
AOC4-K07-10825	06/15/10	AOC4-K07	0	0	0	0-0.5	--
AOC4-K25-20805	05/17/10	AOC4-K02	0	0	0	0-0.5	--
AOC4-L04-10893	05/18/10	AOC4-L04	0	0	0	0-0.5	--
AOC4-L05-10897	06/28/10	AOC4-L05	0	0	0	0-0.5	--
AOC4-L06-10901	06/28/10	AOC4-L06	0	0	0	0-0.5	--

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Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-L07_L08-70011	09/20/10	AOC4-L07_L08	0	0	0	0-0.5	--
AOC4-L07-10905	09/16/10	AOC4-L07	0	0	0	0-0.5	--
AOC4-L07-20905	09/16/10	AOC4-L07	0	0	0	0-0.5	--
AOC4-L25-20901	06/28/10	AOC4-L06	0	0	0	0-0.5	--
AOC4-M05-10978	09/20/10	AOC4-M05	0	0	0	0-0.5	--
AOC4-M06-10822	02/07/17	AOC4-M06	2	3	3	0-03	--
AOC4-M06-10981	07/08/10	AOC4-M06	0	0	0	0-0.5	--
AOC4-M07_M08-70012	09/22/10	AOC4-M07_M08	0	0	0	0-0.5	--
AOC4-M07-10985	09/22/10	AOC4-M07	0	0	0	0-0.5	--
AOC4-M08_M09-70013	09/23/10	AOC4-M08_M09	0	0	0	0-0.5	--
AOC4-M08-10989	09/22/10	AOC4-M08	0	0	0	0-0.5	--
AOC4-M10-10997	10/01/10	AOC4-M10	0	0	0	0-0.5	--
AOC4-N05-11057	07/08/10	AOC4-N05A	0	0	0	0-0.5	--
AOC4-N06-11062	09/23/10	AOC4-N06	0	0	0	0-0.5	--
AOC4-N07-11065	09/23/10	AOC4-N07	0	0	0	0-0.5	--
AOC4-N08-11069	09/23/10	AOC4-N08	0	0	0	0-0.5	--
AOC4-O07-11145	10/01/10	AOC4-O07	0	0	0	0-0.5	--
AOC4-O08-11149	10/01/10	AOC4-O08	0	0	0	0-0.5	--
AOC9-10-4023	10/01/08	AOC9-10	0	0.5	0.5	0-0.5	--
AOC9-10-4024	10/01/08	AOC9-10	2	3	3	0-03	--
AOC9-11-4025	09/18/08	AOC9-11	0	0.5	0.5	0-0.5	--
AOC9-11-4026	09/18/08	AOC9-11	2	3	3	0-03	--
AOC9-12-4027	10/01/08	AOC9-12	0	0.5	0.5	0-0.5	--
AOC9-12-4028	10/01/08	AOC9-12	2	3	3	0-03	--
AOC9-13-4029	09/19/08	AOC9-13	0	0.5	0.5	0-0.5	--
AOC9-13-4030	09/19/08	AOC9-13	2	3	3	0-03	--
AOC9-13-4031	09/19/08	AOC9-13	2	3	3	0-03	--
AOC9-1-4001	10/01/08	AOC9-1	0	0.5	0.5	0-0.5	--
AOC9-1-4002	10/01/08	AOC9-1	2	3	3	0-03	--
AOC9-14-4032	10/02/08	AOC9-14	0	0.5	0.5	0-0.5	--
AOC9-14-4033	10/02/08	AOC9-14	2	3	3	0-03	--
AOC9-15-4100	12/06/15	AOC9-15	0	1	0.5	0-0.5	--
AOC9-15-4101	12/06/15	AOC9-15	2	3	3	0-03	--
AOC9-16-4105	01/13/16	AOC9-16	0	0.5	0.5	0-0.5	--
AOC9-16-4106	01/13/16	AOC9-16	2	3	3	0-03	--
AOC9-16-4107	01/13/16	AOC9-16	5	6	6	0-06	--
AOC9-16-4108	01/13/16	AOC9-16	9	10	10	0-10	--
AOC9-17-4109	01/10/16	AOC9-17	9	10	10	0-10	--
AOC9-17-4110	01/14/16	AOC9-17	14	15	15	NE	Excluded from HHERA (> 10 ft bgs)
AOC9-18-4111	01/10/16	AOC9-18	5	6	6	0-06	--

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AOC9-18-4112	01/10/16	AOC9-18	9	10	10	0-10	--
AOC9-19-4114	01/13/16	AOC9-19	0	0.5	0.5	0-0.5	--
AOC9-19-4115	01/13/16	AOC9-19	2	3	3	0-03	--
AOC9-19-4116	01/13/16	AOC9-19	5	6	6	0-06	--
AOC9-19-4117	01/13/16	AOC9-19	9	10	10	0-10	--
AOC9-20-4118	01/13/16	AOC9-20	0	0.5	0.5	0-0.5	--
AOC9-20-4119	01/13/16	AOC9-20	2	3	3	0-03	--
AOC9-20-4120	01/13/16	AOC9-20	2	3	3	0-03	--
AOC9-20-4121	01/13/16	AOC9-20	5	6	6	0-06	--
AOC9-20-4122	01/13/16	AOC9-20	9	10	10	0-10	--
AOC9-21-4123	01/08/17	AOC9-21	0	0.5	0.5	0-0.5	--
AOC9-21-4124	01/08/17	AOC9-21	0	0.5	0.5	0-0.5	--
AOC9-21-4125	01/08/17	AOC9-21	2	3	3	0-03	--
AOC9-21-4126	01/08/17	AOC9-21	5	6	6	0-06	--
AOC9-22-4127	01/04/17	AOC9-22	0	0.5	0.5	0-0.5	--
AOC9-22-4128	01/04/17	AOC9-22	2	3	3	0-03	--
AOC9-22-4129	01/04/17	AOC9-22	4.5	5	5	0-06	--
AOC9-2-4003	09/18/08	AOC9-2	0	0.5	0.5	0-0.5	--
AOC9-2-4004	09/18/08	AOC9-2	2	3	3	0-03	--
AOC9-3-4005	09/18/08	AOC9-3	0	0.5	0.5	0-0.5	--
AOC9-3-4006	09/18/08	AOC9-3	2	3	3	0-03	--
AOC9-4-4007	09/18/08	AOC9-4	0	0.5	0.5	0-0.5	--
AOC9-4-4008	09/18/08	AOC9-4	2	3	3	0-03	--
AOC9-5-4009	10/01/08	AOC9-5	0	0.5	0.5	0-0.5	--
AOC9-5-4010	10/01/08	AOC9-5	2	3	3	0-03	--
AOC9-5-4011	10/01/08	AOC9-5	2	3	3	0-03	--
AOC9-6-4012	09/18/08	AOC9-6	0	0.5	0.5	0-0.5	--
AOC9-6-4013	09/18/08	AOC9-6	2	3	3	0-03	--
AOC9-7-4014	09/18/08	AOC9-7	0	0.5	0.5	0-0.5	--
AOC9-7-4015	09/18/08	AOC9-7	2	3	3	0-03	--
AOC9-8-4016	10/01/08	AOC9-8	0	0.5	0.5	0-0.5	--
AOC9-8-4017	10/01/08	AOC9-8	2.5	3	3	0-03	--
AOC9-8-4018	10/01/08	AOC9-8	5.5	6	6	0-06	--
AOC9-9-4019	10/01/08	AOC9-9	0	0.5	0.5	0-0.5	--
AOC9-9-4020	10/01/08	AOC9-9	2.5	3	3	0-03	--
AOC9-9-4021	10/01/08	AOC9-9	5.5	6	6	0-06	--
AOC9-9-4022	10/01/08	AOC9-9	5.5	6	6	0-06	--
Bank 1	03/07/03	Bank 1	0	0	0	0-0.5	--
DTSC-AOC10d-1	01/18/08	DTSC-AOC10d-1	0	0	0	0-0.5	--
DTSC-AOC10d-2	01/18/08	DTSC-AOC10d-2	0	0	0	0-0.5	--
DTSC-AOC10d-3	01/18/08	DTSC-AOC10d-3	0	0	0	0-0.5	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
GS-1	11/01/98	GS-1	0	0	0	0-0.5	--
GS-2	11/01/98	GS-2	0	0	0	0-0.5	--
L1-2	02/20/03	L-1	2	2	2	0-03	--
L1-S	02/20/03	L-1	0	0	0	0-0.5	--
L2-2	02/20/03	L-2	2	2	2	0-03	--
L22-2	03/05/03	L-2-2	2	2	2	0-03	--
L23-2	03/05/03	L-2-3	2	2	2	0-03	--
L2-S	02/20/03	L-2	0	0	0	0-0.5	--
L3-1	02/20/03	L-3	1	1	1	0-03	--
L3-1.5	02/20/03	L-3	1.5	1.5	1.5	0-03	--
L32-.5	03/05/03	L-3-2	0.5	0.5	0.5	0-0.5	--
L3-S	02/20/03	L-3	0	0	0	0-0.5	--
MW-175-SS04	01/14/09	MW-57BR	8	9	9	0-10	--
MW-57-BR-SS01	01/14/09	MW-57BR	3	4	4	0-06	--
MW-57-BR-SS02	01/14/09	MW-57BR	8	9	9	0-10	--
MW-57-BR-SS03	01/14/09	MW-57BR	18	19	19	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS01	01/29/09	MW-58BR_S	1.5	2	2	0-03	--
MW-58-BR-SS02	01/29/09	MW-58BR_S	19	20	20	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS03	01/29/09	MW-58BR_S	29	30	30	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS04	01/29/09	MW-58BR_S	39	40	40	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS05	01/29/09	MW-58BR_S	49	50	50	NE	Excluded from HHERA (> 10 ft bgs)
MW-58-BR-SS06	01/29/09	MW-58BR_S	59	60	60	NE	Excluded from HHERA (> 10 ft bgs)
PA-05-1	11/09/15	PA-05	0	1	0.5	0-0.5	--
PA-06-1	11/09/15	PA-06	0	1	0.5	0-0.5	--
PA-07-1	11/09/15	PA-07	0	1	0.5	0-0.5	--
PA-08-03	01/12/16	PA-08	2	3	3	0-03	--
PA-08-06	01/12/16	PA-08	5	6	6	0-06	--
PA-08-1	11/09/15	PA-08	0	1	0.5	0-0.5	--
PA-08-10	01/12/16	PA-08	9	10	10	0-10	--
PA-08-FD	01/12/16	PA-08	2	3	3	0-03	--
PA-09-01	01/27/16	PA-09	0	1	0.5	0-0.5	--
PA-10-01	01/27/16	PA-10	0	1	0.5	0-0.5	--
PA-10-02	01/26/17	PA-10	2	3	3	0-03	--
PA-11-01	01/27/16	PA-11	0	1	0.5	0-0.5	--
PA-11-02	01/25/17	PA-11	2	3	3	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
PA-11-03	01/25/17	PA-11	2	3	3	0-03	--
PA-12-01	01/27/16	PA-12	0	1	0.5	0-0.5	--
PA-12-02	01/25/17	PA-12	2	3	3	0-03	--
PA-13-01	01/27/16	PA-13	0	1	0.5	0-0.5	--
PA-18-01	01/27/16	PA-18	0	1	0.5	0-0.5	--
PA-18-02	01/26/17	PA-18	2	3	3	0-03	--
PA-18-03	01/26/17	PA-18	2	3	3	0-03	--
PA-19-01	01/27/16	PA-19	0	1	0.5	0-0.5	--
PA-19-02	01/31/17	PA-19	2	3	3	0-03	--
PA-20-01	01/27/16	PA-20	0	1	0.5	0-0.5	--
PA-20-02	01/31/17	PA-20	2	3	3	0-03	--
PA-21-01	01/27/16	PA-21	0	1	0.5	0-0.5	--
PA-21-02	01/31/17	PA-21	2	3	3	0-03	--
PA-23-01	01/27/16	PA-23	0	1	0.5	0-0.5	--
PS-21-0	04/13/99	PS-21	0	0	0	0-0.5	--
PS-21-2	04/13/99	PS-21	2	2	2	0-03	--
PS-22-0	04/13/99	PS-22	0	0	0	0-0.5	--
RR-1	02/02/00	RR-1	0	0	0	0-0.5	--
RR-10	02/02/00	RR-10	0	0	0	0-0.5	--
RR-11	02/02/00	RR-11	0	0	0	0-0.5	--
RR-12	02/02/00	RR-12	0	0	0	0-0.5	--
RR-2	02/02/00	RR-2	0	0	0	0-0.5	--
RR-3	02/02/00	RR-3	0	0	0	0-0.5	--
RR-4	02/02/00	RR-4	0	0	0	0-0.5	--
RR-5	02/02/00	RR-5	0	0	0	0-0.5	--
RR-6	02/02/00	RR-6	0	0	0	0-0.5	--
RR-7	02/02/00	RR-7	0	0	0	0-0.5	--
RR-8	02/02/00	RR-8	0	0	0	0-0.5	--
RR-9	02/02/00	RR-9	0	0	0	0-0.5	--
S1-20-3	11/01/98	S1-20	3	3	3	0-03	--
S2-130-1	11/01/98	S2-130	1	1	0.5	0-0.5	--
S2-62-2	11/01/98	S2-62	2	2	2	0-03	--
S2-62-4	11/01/98	S2-62	4	4	4	0-06	--
S2-6-3	11/01/98	S2-6	3	3	3	0-03	--
S2-6-5	11/01/98	S2-6	5	5	5	0-06	--
S3-120-1	11/01/98	S3-120	1	1	0.5	0-0.5	--
S3-15-2	11/01/98	S3-15	2	2	2	0-03	--
S3-15-4	11/01/98	S3-15	4	4	4	0-06	--
S3-72-1	11/01/98	S3-72	1	1	0.5	0-0.5	--
S3-72-2	11/01/98	S3-72	2	2	2	0-03	--
S4-160-2	11/01/98	S4-160	2	2	2	0-03	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
S4-4-4	11/01/98	S4-4	4	4	4	0-06	--
S4-4-6	11/01/98	S4-4	6	6	6	0-06	--
S4-95-2	11/01/98	S4-95	2	2	2	0-03	--
S4-95-3	11/01/98	S4-95	3	3	3	0-03	--
S8-30-3	11/01/98	S8-30	3	3	3	0-03	--
SD-10-01	11/10/15	SD-10	0	1	0.5	0-0.5	--
SD-10-03	11/10/15	SD-10	2	3	3	0-03	--
SD-11-0	12/06/15	SD-11	0	0.5	0.5	0-0.5	--
SD-11-01	03/07/16	SD-11A	0	1	0.5	0-0.5	--
SD-11-02	03/07/16	SD-11A	2	3	3	0-03	--
SD-11-04	03/07/16	SD-11A	5	6	6	0-06	--
SD-11-3	12/06/15	SD-11	2	3	3	0-03	--
SD-12-01	11/10/15	SD-12	0	1	0.5	0-0.5	--
SD-12-03	11/10/15	SD-12	2	3	3	0-03	--
SD-13-01	11/10/15	SD-13	0	1	0.5	0-0.5	--
SD-13-03	11/10/15	SD-13	2	3	3	0-03	--
SD-1-D1	01/13/16	SD-01	0	0.5	0.5	0-0.5	--
SD-1-D2	01/13/16	SD-01	2	3	3	0-03	--
SD-1-D3	01/13/16	SD-01	5	6	6	0-06	--
SD-1-D4	01/13/16	SD-01	9	10	10	0-10	--
SD-20-01	11/11/15	SD-20	0	1	0.5	0-0.5	--
SD-20-01-FD	11/11/15	SD-20	0	1	0.5	0-0.5	--
SD-20-03	11/11/15	SD-20	2	3	3	0-03	--
SD-2-01	11/10/15	SD-02	0	1	0.5	0-0.5	--
SD-2-03	11/10/15	SD-02	2	3	3	0-03	--
SD-21-01	03/10/16	SD-21	0	1	0.5	0-0.5	--
SD-21-03	03/10/16	SD-21	2	3	3	0-03	--
SD-22-01	03/09/16	SD-22	0	1	0.5	0-0.5	--
SD-22-03	03/09/16	SD-22	2	3	3	0-03	--
SD-23-01	03/09/16	SD-23	0	1	0.5	0-0.5	--
SD-23-03	03/09/16	SD-23	2	3	3	0-03	--
SD-27-02	02/15/17	SD-27	2	3	3	0-03	--
SD-3-01	11/10/15	SD-03	0	1	0.5	0-0.5	--
SD-3-03	11/10/15	SD-03	2	3	3	0-03	--
SD-37-OS1-1001	11/30/16	SD-OS37	0	0.5	0.5	0-0.5	--
SD-37-OS1-1002	11/30/16	SD-OS37	3	3.5	3.5	0-06	--
SD-37-OS1-1003	11/30/16	SD-OS37	5	5.5	5.5	0-06	--
SD-4-01	11/10/15	SD-04	0	1	0.5	0-0.5	--
SD-4-03	11/10/15	SD-04	2	3	3	0-03	--
SD-5-01	11/10/15	SD-05	0	1	0.5	0-0.5	--
SD-5-01-FD	11/10/15	SD-05	0	1	0.5	0-0.5	--

Table OCSxBCW-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-5-03	11/10/15	SD-05	2	3	3	0-03	--
SD-6-01	11/10/15	SD-06	0	1	0.5	0-0.5	--
SD-6-03	11/10/15	SD-06	2	3	3	0-03	--
SD-6-05	11/10/15	SD-06	5	6	6	0-06	--
SD-8-01	11/11/15	SD-08	0	1	0.5	0-0.5	--
SD-8-01-FD	11/11/15	SD-08	0	1	0.5	0-0.5	--
SD-8-03	11/11/15	SD-08	2	3	3	0-03	--
SD-9-01	11/10/15	SD-09	0	1	0.5	0-0.5	--
SD-9-03	11/10/15	SD-09	2	3	3	0-03	--
SD-9-05	11/10/15	SD-09	5	6	6	0-06	--

Abbreviations:
AOC = area of concern
BCW = Bat Cave Wash
ft bgs = feet below ground surface
HHERA = human health and ecological risk assessment
NE = not evaluated in the HHERA

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Inorganics					
Aluminum	43 / 43	3,000 - 20,000	mg/kg	No	Within Background
Antimony	4 / 272	2.1 - 15	mg/kg	Yes	Above Background
Arsenic	206 / 272	1.2 - 14	mg/kg	No	Within Background
Barium	272 / 272	57 - 1,300	mg/kg	No	Within Background
Beryllium	0 / 272	ND	mg/kg	No	Not Detected
Cadmium	11 / 272	1.1 - 7.4	mg/kg	No	Within Background
Calcium [b]	47 / 47	10,000 - 265,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	2 / 3	5.9 - 7.0	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	121 / 299	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	307 / 307	4.9 - 2,800	mg/kg	Yes	Above Background
Cobalt	268 / 272	2.3 - 27	mg/kg	No	Within Background
Copper	304 / 304	2.2 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 41	0.22	mg/kg	Yes	Detected
Iron [b]	47 / 47	6,800 - 32,000	mg/kg	No	Within Background
Lead	272 / 273	1.9 - 920	mg/kg	Yes	Above Background
Magnesium [b]	47 / 47	2,600 - 14,300	mg/kg	No	Within Background
Manganese [b]	44 / 44	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	23 / 273	0.11 - 35	mg/kg	Yes	Above Background
Molybdenum	27 / 272	1.0 - 19	mg/kg	No	Within Background
Nickel	301 / 304	0.28 - 75	mg/kg	No	Within Background
Potassium [b]	47 / 47	690 - 5,300	mg/kg	No	Within Background
Selenium	3 / 272	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 272	ND	mg/kg	No	Not Detected
Sodium [b]	46 / 47	170 - 4,300	mg/kg	No	Within Background
Sulfate [c]	3 / 3	13 - 27	mg/kg	No	No Toxicity Values Available

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Thallium	0 / 272	ND	mg/kg	No	Not Detected
Vanadium	272 / 272	12 - 100	mg/kg	No	Within Background
Zinc	304 / 304	11 - 1,200	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 9	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 9	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 9	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 9	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 9	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 37	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
2,2-Dichloropropane	0 / 9	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 9	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 4	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 9	ND	ug/kg	No	Not Detected
Acetone	0 / 9	ND	ug/kg	No	Not Detected
Acrolein	0 / 9	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 9	ND	ug/kg	No	Not Detected
Benzene	0 / 9	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 133	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 133	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 9	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 9	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 9	ND	ug/kg	No	Not Detected
Bromoform	0 / 9	ND	ug/kg	No	Not Detected
Bromomethane	0 / 9	ND	ug/kg	No	Not Detected
Carbon disulfide	0 / 9	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 9	ND	ug/kg	No	Not Detected
Chloro methane	0 / 9	ND	ug/kg	No	Not Detected
Chlorobenzene	0 / 9	ND	ug/kg	No	Not Detected
Chloroethane	0 / 9	ND	ug/kg	No	Not Detected
Chloroform	0 / 9	ND	ug/kg	No	Not Detected
cis-1,2-Dichloroethene	0 / 9	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 9	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 3	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Dibromochloromethane	0 / 9	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 9	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 9	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 9	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 133	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 36	ND	ug/kg	No	Not Detected
Isophorone	1 / 133	2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Methyl acetate	0 / 4	ND	ug/kg	No	Not Detected
Methyl ethyl ketone	0 / 9	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 9	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 9	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 4	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 9	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 133	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 9	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 9	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Styrene	0 / 9	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 9	ND	ug/kg	No	Not Detected
Toluene	0 / 9	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 9	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 9	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 9	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Trichlorofluoromethane (Freon 11)	0 / 9	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 9	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 9	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 37	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 37	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 37	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 133	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 132	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 133	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 133	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 133	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 133	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 133	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 133	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 133	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 133	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 133	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 132	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 133	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 133	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 133	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 133	ND	ug/kg	No	Not Detected
4-Methylphenol	1 / 133	430	ug/kg	Yes	Detected

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
4-Nitroaniline	0 / 133	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 133	ND	ug/kg	No	Not Detected
Acetophenone	0 / 37	ND	ug/kg	No	Not Detected
Atrazine	0 / 37	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 37	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 132	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 133	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 133	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	1 / 133	640	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 133	ND	ug/kg	No	Not Detected
Caprolactam	0 / 36	ND	ug/kg	No	Not Detected
Carbazole	0 / 37	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 133	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 133	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 133	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 133	ND	ug/kg	No	Not Detected
Phenol	0 / 133	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	5 / 274	5.9 - 160	ug/kg	Yes	Detected
2-Methyl naphthalene	9 / 275	7.5 - 120	ug/kg	Yes	Detected
Acenaphthene	8 / 275	5.1 - 51	ug/kg	Yes	Detected

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Acenaphthylene	6 / 275	6.0 - 26	ug/kg	Yes	Detected
Anthracene	29 / 275	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	150 / 275	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	154 / 275	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	184 / 276	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	148 / 276	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	141 / 275	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	178 / 275	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	51 / 275	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	194 / 276	5.1 - 8,600	ug/kg	Yes	Detected
Fluorene	5 / 275	6.6 - 14	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	136 / 275	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	10 / 275	5.0 - 18	ug/kg	Yes	Detected
Phenanthrene	128 / 275	5.1 - 3,100	ug/kg	Yes	Detected
Pyrene	193 / 276	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	193 / 276	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 68	ND	ug/kg	No	Not Detected
4,4-DDE	3 / 68	2.9 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 68	3.0	ug/kg	Yes	Detected
Aldrin	0 / 68	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 68	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 68	12	ug/kg	Yes	Detected
beta-BHC	0 / 68	ND	ug/kg	No	Not Detected
delta-BHC	0 / 68	ND	ug/kg	No	Not Detected
Dieldrin	1 / 68	6.7	ug/kg	Yes	Detected

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Endo sulfan I	0 / 68	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 68	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 68	ND	ug/kg	No	Not Detected
Endrin	0 / 68	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 68	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 35	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 68	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 68	13	ug/kg	Yes	Detected
Heptachlor	0 / 68	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 68	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 68	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 222	ND	ug/kg	No	Not Detected
Toxaphene	0 / 68	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	119 / 219	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	39 / 151	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 2	ND	mg/kg	No	Not Detected
TPH as motor oil	97 / 151	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
TEQ Human [g]	169 / 170	0.021 - 1,600	ng/kg	Yes	Above Background

Table OCSxBCW-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to human health risk assessment (HHRA) only.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA. Human health toxicity values are available for iron and manganese, thus these chemicals are evaluated in the HHRA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Inorganics					
Aluminum	53 / 53	2,600 - 20,000	mg/kg	No	Within Background
Antimony	8 / 450	2.1 - 19	mg/kg	Yes	Above Background
Arsenic	380 / 450	1.2 - 24	mg/kg	No	Within Background
Barium	450 / 450	14 - 1,300	mg/kg	No	Within Background
Beryllium	0 / 450	ND	mg/kg	No	Not Detected
Cadmium	25 / 450	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	59 / 59	10,000 - 265,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	4 / 5	3.7 - 223	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	192 / 487	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	501 / 501	3.6 - 4,000	mg/kg	Yes	Above Background
Cobalt	445 / 450	1.6 - 36	mg/kg	No	Within Background
Copper	496 / 498	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 51	0.22	mg/kg	Yes	Detected
Iron [b]	59 / 59	540 - 32,000	mg/kg	No	Within Background
Lead	449 / 452	1.4 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	59 / 59	2,600 - 14,300	mg/kg	No	Within Background
Manganese [b]	54 / 54	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	40 / 452	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	55 / 450	0.63 - 63	mg/kg	No	Within Background
Nickel	495 / 498	0.28 - 270	mg/kg	No	Within Background
Nitrate	1 / 1	17	mg/kg	Yes	Detected
Phosphate	1 / 1	64	mg/kg	Yes	Detected
Potassium [b]	58 / 58	600 - 5,300	mg/kg	No	Within Background
Selenium	6 / 450	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 450	ND	mg/kg	No	Not Detected
Sodium [b]	57 / 59	170 - 4,300	mg/kg	No	Within Background
Sulfate [c]	5 / 5	7.3 - 585	mg/kg	No	No Toxicity Values Available

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Thallium	4 / 450	2.1 - 6.1	mg/kg	Yes	Above Background
Vanadium	450 / 450	9.6 - 100	mg/kg	No	Within Background
Zinc	498 / 498	4.3 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 113	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 113	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 42	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 264	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
2,4,6-Trichlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 113	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 36	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 113	ND	ug/kg	No	Not Detected
Acetone	0 / 82	ND	ug/kg	No	Not Detected
Acrolein	0 / 113	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 113	ND	ug/kg	No	Not Detected
Benzene	0 / 113	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 264	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 264	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 113	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 113	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 113	ND	ug/kg	No	Not Detected
Bromoform	0 / 113	ND	ug/kg	No	Not Detected
Bromomethane	2 / 113	23 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 113	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 113	ND	ug/kg	No	Not Detected
Chloro methane	3 / 113	5.5 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 113	ND	ug/kg	No	Not Detected
Chloroethane	0 / 113	ND	ug/kg	No	Not Detected
Chloroform	1 / 113	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 113	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 113	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 113	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 113	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Hexachlorobutadiene	0 / 265	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 41	ND	ug/kg	No	Not Detected
Isophorone	2 / 264	2,200 - 2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Methyl acetate	1 / 36	17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 113	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 113	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 113	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 36	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 113	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 264	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 113	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 113	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Styrene	0 / 113	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 113	ND	ug/kg	No	Not Detected
Toluene	0 / 113	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 113	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 113	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 113	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 113	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 42	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 42	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
2,3,4,6-Tetrachlorophenol	0 / 42	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 264	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 263	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 264	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 264	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 264	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 264	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 264	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 262	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 264	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 264	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 264	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 261	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 262	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 262	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 264	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 262	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 264	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 264	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 264	ND	ug/kg	No	Not Detected
Acetophenone	0 / 42	ND	ug/kg	No	Not Detected
Atrazine	0 / 42	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 42	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 261	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 262	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 262	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
bis (2-ethylhexyl) phthalate	2 / 264	640 - 1,300	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 264	ND	ug/kg	No	Not Detected
Caprolactam	0 / 41	ND	ug/kg	No	Not Detected
Carbazole	0 / 42	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 264	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 264	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 264	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 264	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 264	ND	ug/kg	No	Not Detected
Phenol	0 / 264	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	11 / 456	5.8 - 220	ug/kg	Yes	Detected
2-Methyl naphthalene	15 / 459	5.2 - 240	ug/kg	Yes	Detected
Acenaphthene	9 / 459	5.1 - 51	ug/kg	Yes	Detected
Acenaphthylene	8 / 459	5.1 - 26	ug/kg	Yes	Detected
Anthracene	39 / 459	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	205 / 459	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	212 / 459	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	262 / 460	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	203 / 460	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	198 / 459	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	250 / 459	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	69 / 459	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	276 / 460	5.1 - 8,600	ug/kg	Yes	Detected

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Fluorene	5 / 459	6.6 - 14	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	186 / 459	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	13 / 459	5.0 - 32	ug/kg	Yes	Detected
Phenanthrene	185 / 459	5.1 - 3,100	ug/kg	Yes	Detected
Pyrene	273 / 460	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	276 / 460	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 108	ND	ug/kg	No	Not Detected
4,4-DDE	4 / 108	2.9 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 108	3.0	ug/kg	Yes	Detected
Aldrin	0 / 108	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 108	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 108	12	ug/kg	Yes	Detected
beta-BHC	0 / 108	ND	ug/kg	No	Not Detected
delta-BHC	0 / 108	ND	ug/kg	No	Not Detected
Dieldrin	1 / 108	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 108	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 108	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 108	ND	ug/kg	No	Not Detected
Endrin	0 / 108	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 108	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 37	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 108	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 108	13	ug/kg	Yes	Detected
Heptachlor	0 / 108	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 108	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 108	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 354	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Toxaphene	0 / 108	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	142 / 329	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	75 / 301	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 135	ND	mg/kg	No	Not Detected
TPH as motor oil	177 / 299	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
TEQ Human [g]	243 / 247	0.021 - 1,600	ng/kg	Yes	Above Background

Table OCSxBCW-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to human health risk assessment (HHRA) only.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA. Human health toxicity values are available for iron and manganese, thus these chemicals are evaluated in the HHRA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Inorganics					
Aluminum	53 / 53	2,600 - 20,000	mg/kg	No	Within Background
Antimony	8 / 572	2.1 - 19	mg/kg	Yes	Above Background
Arsenic	502 / 572	1.1 - 24	mg/kg	No	Within Background
Barium	572 / 572	14 - 1,300	mg/kg	No	Within Background
Beryllium	0 / 572	ND	mg/kg	No	Not Detected
Cadmium	29 / 572	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	60 / 60	10,000 - 379,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	5 / 6	3.7 - 3,010	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	235 / 612	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	630 / 630	3.6 - 4,000	mg/kg	Yes	Above Background
Cobalt	566 / 572	1.6 - 36	mg/kg	No	Within Background
Copper	622 / 625	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 51	0.22	mg/kg	Yes	Detected
Iron [b]	60 / 60	425 - 32,000	mg/kg	No	Within Background
Lead	570 / 575	1.4 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	60 / 60	2,600 - 23,000	mg/kg	No	Within Background
Manganese [b]	54 / 54	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	49 / 575	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	75 / 573	0.63 - 63	mg/kg	No	Within Background
Nickel	622 / 625	0.28 - 270	mg/kg	No	Within Background
Nitrate	2 / 2	17 - 29	mg/kg	Yes	Detected
Phosphate	2 / 2	11 - 64	mg/kg	Yes	Detected
Potassium [b]	59 / 59	90 - 5,300	mg/kg	No	Within Background
Selenium	9 / 572	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 572	ND	mg/kg	No	Not Detected
Sodium [b]	58 / 60	170 - 6,590	mg/kg	No	Within Background
Sulfate [c]	6 / 6	7.3 - 1,630	mg/kg	No	No Toxicity Values Available

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Thallium	6 / 572	2.1 - 6.1	mg/kg	Yes	Above Background
Vanadium	572 / 572	9.3 - 100	mg/kg	No	Within Background
Zinc	624 / 625	1.9 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 197	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 197	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 197	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 197	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 197	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 42	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 197	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 359	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
2,4,6-Trichlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 197	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 36	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 197	ND	ug/kg	No	Not Detected
Acetone	0 / 140	ND	ug/kg	No	Not Detected
Acrolein	0 / 197	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 197	ND	ug/kg	No	Not Detected
Benzene	0 / 197	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 359	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 359	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 197	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 197	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 197	ND	ug/kg	No	Not Detected
Bromoform	0 / 197	ND	ug/kg	No	Not Detected
Bromomethane	3 / 197	11 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 197	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 197	ND	ug/kg	No	Not Detected
Chloro methane	4 / 197	5.3 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 197	ND	ug/kg	No	Not Detected
Chloroethane	0 / 197	ND	ug/kg	No	Not Detected
Chloroform	1 / 197	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 197	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 197	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 197	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 197	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 197	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 197	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Hexachlorobutadiene	0 / 361	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 41	ND	ug/kg	No	Not Detected
Isophorone	2 / 359	2,200 - 2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Methyl acetate	1 / 36	17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 197	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 197	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 197	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 36	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 197	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 359	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 197	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 197	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Styrene	0 / 197	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 197	ND	ug/kg	No	Not Detected
Toluene	0 / 197	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 197	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 197	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 197	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 197	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 197	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 197	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 42	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 42	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
2,3,4,6-Tetrachlorophenol	0 / 42	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 359	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 358	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 359	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 359	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 359	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 359	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 359	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 357	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 359	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 359	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 359	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 356	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 357	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 357	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 359	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 357	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 359	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 359	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 359	ND	ug/kg	No	Not Detected
Acetophenone	0 / 42	ND	ug/kg	No	Not Detected
Atrazine	0 / 42	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 42	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 356	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 357	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 357	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
bis (2-ethylhexyl) phthalate	2 / 359	640 - 1,300	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 359	ND	ug/kg	No	Not Detected
Caprolactam	0 / 41	ND	ug/kg	No	Not Detected
Carbazole	0 / 42	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 359	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 359	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 359	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 359	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 359	ND	ug/kg	No	Not Detected
Phenol		ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	11 / 578	5.8 - 220	ug/kg	Yes	Detected
2-Methyl naphthalene	15 / 581	5.2 - 240	ug/kg	Yes	Detected
Acenaphthene	11 / 581	5.1 - 53	ug/kg	Yes	Detected
Acenaphthylene	8 / 581	5.1 - 26	ug/kg	Yes	Detected
Anthracene	43 / 581	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	228 / 581	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	238 / 581	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	300 / 582	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	225 / 582	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	222 / 581	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	279 / 581	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	78 / 581	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	309 / 582	5.1 - 8,600	ug/kg	Yes	Detected

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Fluorene	7 / 581	5.1 - 29	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	205 / 581	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	13 / 581	5.0 - 32	ug/kg	Yes	Detected
Phenanthrene	205 / 581	5.1 - 3,100	ug/kg	Yes	Detected
Pyrene	306 / 582	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	315 / 582	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 139	ND	ug/kg	No	Not Detected
4,4-DDE	5 / 139	2.6 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 139	3.0	ug/kg	Yes	Detected
Aldrin	0 / 139	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 139	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 139	12	ug/kg	Yes	Detected
beta-BHC	0 / 139	ND	ug/kg	No	Not Detected
delta-BHC	0 / 139	ND	ug/kg	No	Not Detected
Dieldrin	1 / 139	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 139	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 139	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 139	ND	ug/kg	No	Not Detected
Endrin	0 / 139	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 139	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 37	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 139	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 139	13	ug/kg	Yes	Detected
Heptachlor	0 / 139	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 139	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 139	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 450	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPC in Risk Assessment
Toxaphene	0 / 139	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	153 / 388	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	92 / 403	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 227	ND	mg/kg	No	Not Detected
TPH as motor oil	233 / 401	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
TEQ Human [g]	291 / 298	0.021 - 1,600	ng/kg	Yes	Above Background

Table OCSxBCW-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to human health risk assessment (HHRA) only.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA. Human health toxicity values are available for iron and manganese, thus these chemicals are evaluated in the HHRA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Inorganics					
Aluminum	53 / 53	2,600 - 20,000	mg/kg	No	Within Background
Antimony	8 / 678	2.1 - 19	mg/kg	Yes	Above Background
Arsenic	607 / 678	1.0 - 24	mg/kg	No	Within Background
Barium	678 / 678	14 - 1,300	mg/kg	No	Within Background
Beryllium	0 / 678	ND	mg/kg	No	Not Detected
Cadmium	31 / 678	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	60 / 60	10,000 - 379,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chloride [c]	5 / 6	3.7 - 3,010	mg/kg	No	No Toxicity Values Available
Chromium, Hexavalent	256 / 719	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	738 / 738	2.9 - 4,000	mg/kg	Yes	Above Background
Cobalt	672 / 678	1.6 - 36	mg/kg	No	Within Background
Copper	726 / 731	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 51	0.22	mg/kg	Yes	Detected
Iron [b]	60 / 60	425 - 32,000	mg/kg	No	Within Background
Lead	677 / 682	1.1 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	60 / 60	2,600 - 23,000	mg/kg	No	Within Background
Manganese [b]	54 / 54	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	53 / 682	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	88 / 681	0.63 - 63	mg/kg	No	Within Background
Nickel	728 / 731	0.28 - 270	mg/kg	No	Within Background
Nitrate	2 / 2	17 - 29	mg/kg	Yes	Detected
Phosphate	2 / 2	11 - 64	mg/kg	Yes	Detected
Potassium [b]	59 / 59	90 - 5,300	mg/kg	No	Within Background
Selenium	11 / 678	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 678	ND	mg/kg	No	Not Detected
Sodium [b]	58 / 60	170 - 6,590	mg/kg	No	Within Background
Sulfate [c]	6 / 6	7.3 - 1,630	mg/kg	No	No Toxicity Values Available

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Thallium	9 / 678	2.1 - 6.1	mg/kg	Yes	Above Background
Vanadium	678 / 678	9.2 - 100	mg/kg	No	Within Background
Zinc	730 / 731	1.9 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 262	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 262	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 262	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 262	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 262	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 262	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 262	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 262	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 262	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 262	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 434	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 262	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 262	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 262	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 434	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 262	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 262	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 262	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 434	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 262	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 434	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 42	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 262	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 431	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
2,4,6-Trichlorophenol	0 / 431	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 262	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 36	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 262	ND	ug/kg	No	Not Detected
Acetone	0 / 190	ND	ug/kg	No	Not Detected
Acrolein	0 / 262	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 262	ND	ug/kg	No	Not Detected
Benzene	0 / 262	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 431	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 431	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 262	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 262	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 262	ND	ug/kg	No	Not Detected
Bromoform	0 / 262	ND	ug/kg	No	Not Detected
Bromomethane	3 / 262	11 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 262	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 262	ND	ug/kg	No	Not Detected
Chloro methane	4 / 262	5.3 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 262	ND	ug/kg	No	Not Detected
Chloroethane	0 / 262	ND	ug/kg	No	Not Detected
Chloroform	1 / 262	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 262	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 262	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 262	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 262	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 262	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 262	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Hexachlorobutadiene	0 / 434	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 41	ND	ug/kg	No	Not Detected
Isophorone	2 / 431	2,200 - 2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 262	ND	ug/kg	No	Not Detected
Methyl acetate	1 / 36	17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 262	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 262	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 262	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 36	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 262	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 262	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 431	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 262	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 262	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 262	ND	ug/kg	No	Not Detected
Styrene	0 / 262	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 262	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 262	ND	ug/kg	No	Not Detected
Toluene	0 / 262	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 262	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 262	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 262	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 262	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 262	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 262	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 42	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 42	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
2,3,4,6-Tetrachlorophenol	0 / 42	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 431	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 431	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 430	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 431	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 431	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 431	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 431	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 431	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 431	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 429	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 431	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 431	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 431	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 428	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 429	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 429	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 431	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 429	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 431	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 431	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 431	ND	ug/kg	No	Not Detected
Acetophenone	0 / 42	ND	ug/kg	No	Not Detected
Atrazine	0 / 42	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 42	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 428	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 429	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 429	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
bis (2-ethylhexyl) phthalate	2 / 431	640 - 1,300	ug/kg	Yes	Detected
Butylbenzylphthalate	1 / 431	630	ug/kg	Yes	Detected
Caprolactam	0 / 41	ND	ug/kg	No	Not Detected
Carbazole	0 / 42	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 431	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 431	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 431	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 431	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 431	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 431	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 431	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 431	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 431	ND	ug/kg	No	Not Detected
Phenol	0 / 431	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	11 / 682	5.8 - 220	ug/kg	Yes	Detected
2-Methyl naphthalene	16 / 685	5.0 - 240	ug/kg	Yes	Detected
Acenaphthene	11 / 685	5.1 - 53	ug/kg	Yes	Detected
Acenaphthylene	8 / 685	5.1 - 26	ug/kg	Yes	Detected
Anthracene	43 / 685	5.0 - 710	ug/kg	Yes	Detected
Benzo (a) anthracene [d]	235 / 685	5.0 - 3,400	ug/kg	No	Within Background
Benzo (a) pyrene [d]	244 / 685	5.0 - 4,400	ug/kg	No	Within Background
Benzo (b) fluoranthene [d]	309 / 686	5.0 - 15,000	ug/kg	No	Within Background
Benzo (ghi) perylene	230 / 686	5.0 - 1,500	ug/kg	Yes	Detected
Benzo (k) fluoranthene [d]	228 / 685	5.1 - 5,800	ug/kg	No	Within Background
Chrysene [d]	287 / 685	5.1 - 5,200	ug/kg	No	Within Background
Dibenzo (a,h) anthracene [d]	81 / 685	5.0 - 530	ug/kg	No	Within Background
Fluoranthene	319 / 686	5.1 - 8,600	ug/kg	Yes	Detected

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Fluorene	7 / 685	5.1 - 29	ug/kg	Yes	Detected
Indeno (1,2,3-cd) pyrene [d]	210 / 685	5.1 - 1,200	ug/kg	No	Within Background
Naphthalene	14 / 685	5.0 - 32	ug/kg	Yes	Detected
Phenanthrene	211 / 685	5.1 - 3,100	ug/kg	Yes	Detected
Pyrene	315 / 686	5.0 - 6,600	ug/kg	Yes	Detected
B(a)P Equivalent [e]	325 / 686	5.8 - 8,200	ug/kg	No	Within Background
Pesticides					
4,4-DDD	0 / 166	ND	ug/kg	No	Not Detected
4,4-DDE	5 / 166	2.6 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 166	3.0	ug/kg	Yes	Detected
Aldrin	0 / 166	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 166	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 166	12	ug/kg	Yes	Detected
beta-BHC	0 / 166	ND	ug/kg	No	Not Detected
delta-BHC	0 / 166	ND	ug/kg	No	Not Detected
Dieldrin	1 / 166	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 166	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 166	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 166	ND	ug/kg	No	Not Detected
Endrin	0 / 166	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 166	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 37	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 166	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 166	13	ug/kg	Yes	Detected
Heptachlor	0 / 166	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 166	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 166	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 523	ND	ug/kg	No	Not Detected

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment a	Basis for selection as COPC in Risk Assessment
Toxaphene	0 / 166	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [f]	154 / 430	17 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	99 / 476	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 294	ND	mg/kg	No	Not Detected
TPH as motor oil	244 / 474	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
TEQ Human [g]	311 / 320	0.021 - 1,600	ng/kg	Yes	Above Background (HHRA Only)

Table OCSxBCW-2.1d
Chemicals Included in the Risk Assessment: OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to human health risk assessment (HHRA) only.

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the HHRA. Human health toxicity values are available for iron and manganese, thus these chemicals are evaluated in the HHRA, if above background levels and have available toxicity values.

[c] No toxicity values are available for chloride and sulfate, thus these chemicals are not evaluated in the HHRA.

[d] Carcinogenic polycyclic aromatic hydrocarbons (CPAHs).

[e] Benzo(a)pyrene equivalent concentrations for CPAHs calculated for each sample using Potency Equivalency Factors (PEF) developed by United States Environmental Protection Agency (USEPA 2017) and recommended in Department of Toxic Substances Control (DTSC) guidance (2015).

[f] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[g] Dioxins are evaluated in toxic equivalents.

Abbreviations:

B(a)P equivalent = Benzo(a)pyrene equivalent.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPC = Constituent of Potential Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

DTSC. 2015. Preliminary Endangerment Assessment Guidance Manual. October.

USEPA. 2017. Regional Screening Levels for Chemical Contaminants, November. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls.

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Soil Depth Interval: 0-0.5 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-0.5	43 / 43	100	3000	20000	NA	NA	8728	8728	8100	14514917	3810	--	--	--	--	--
Antimony	mg/kg	0-0.5	4 / 272	1	2.1	15	1	5.5	5.575	1.068	2.6	39.54	6.288	X	1.33	95% KM (Chebyshev) UCL	1.22	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-0.5	206 / 272	76	1.2	14	0.5	2.75	4.685	3.674	4.05	4.949	2.225	--	--	--	--	--
Barium	mg/kg	0-0.5	272 / 272	100	57	1300	NA	NA	192.4	192.4	160	18900	137.5	--	--	--	--	--
Beryllium	mg/kg	0-0.5	0 / 272	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-0.5	11 / 272	4	1.1	7.4	0.5	4.9	2.1	0.566	1.5	3.192	1.787	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-0.5	121 / 299	40	0.2	2700	0.1	2.35	25.96	10.57	0.89	60224	245.4	X	50.1	95% KM (Chebyshev) UCL	28	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-0.5	307 / 307	100	4.9	2800	NA	NA	53.97	53.97	26	30474	174.6	X	97.4	95% Chebyshev (Mean, Sd) UCL	66.3	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-0.5	268 / 272	99	2.3	27	2.2	2.7	7.238	7.165	6.7	10.08	3.175	--	--	--	--	--
Copper	mg/kg	0-0.5	304 / 304	100	2.2	3100	NA	NA	36.17	36.17	13	35555	188.6	X	83.3	95% Chebyshev (Mean, Sd) UCL	41.9	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-0.5	1 / 41	2	0.22	0.22	0.05	2.45	0.22	0.067	0.22	NA	NA	--	--	--	--	--
Iron	mg/kg	0-0.5	47 / 47	100	6800	32000	NA	NA	16551	16551	15000	32318954	5685	--	--	--	--	--
Lead	mg/kg	0-0.5	272 / 273	100	1.9	920	2.75	2.75	20.64	20.57	7.4	5136	71.66	X	39.4	95% KM (Chebyshev) UCL	22.7	Bootstrap BCA 95UCL
Manganese	mg/kg	0-0.5	44 / 44	100	120	1300	NA	NA	303.2	303.2	260	40655	201.6	--	--	--	--	--
Mercury	mg/kg	0-0.5	23 / 273	8	0.11	35	0.0095	0.065	1.79	0.16	0.22	52.45	7.242	X	0.73	95% KM (Chebyshev) UCL	0.446	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-0.5	27 / 272	10	1	19	0.5	2.75	4.141	0.863	1.6	22.74	4.769	--	--	--	--	--
Nickel	mg/kg	0-0.5	301 / 304	99	0.28	75	2.2	2.45	17.22	17.06	14	116.1	10.78	--	--	--	--	--
Selenium	mg/kg	0-0.5	3 / 272	1	1.1	9.1	0.5	2.75	4.033	0.539	1.9	19.41	4.406	--	--	--	--	--
Silver	mg/kg	0-0.5	0 / 272	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-0.5	0 / 272	0	NA	NA	1	5.5	NA	NA	NA	NA	NA	--	--	--	--	--
Vanadium	mg/kg	0-0.5	272 / 272	100	12	100	NA	NA	32.59	32.59	29	209.1	14.46	--	--	--	--	--
Zinc	mg/kg	0-0.5	304 / 304	100	11.3	1200	NA	NA	82.11	82.11	46	20196	142.1	X	118	95% Chebyshev (Mean, Sd) UCL	70.7	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-0.5	0 / 9	0	NA	NA	23	35.5	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Chloro methane	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Chloroform	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Ethyl- benzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-0.5	0 / 4	0	NA	NA	2.85	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl ethyl ketone	µg/kg	0-0.5	0 / 9	0	NA	NA	23	35.5	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, m,p-	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Xylene, o-	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-0.5	1 / 133	1	430	430	165	41500	430	167.1	430	NA	NA	X	430	Max Detect	430	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-0.5	1 / 133	1	640	640	165	41500	640	169	640	NA	NA	X	640	Max Detect	640	Max Detect
Butylbenzylphthalate	µg/kg	0-0.5	0 / 133	0	NA	NA	165	41500	NA	NA	NA	NA	NA	--	--	--	--	--
Di-n-butyl phthalate	µg/kg	0-0.5	0 / 133	0	NA	NA	165	41500	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-0.5	1 / 133	1	2800	2800	165	41500	2800	185.1	2800	NA	NA	X	2800	Max Detect	2800	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-0.5	132 / 276	48	5.1	3880	0	0	124.9	59.76	22.5	154363	392.9	X	227	99% KM (Chebyshev) UCL	71	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-0.5	206 / 276	75	5	32900	0	0	1247	930.4	157.5	15088865	3884	X	2966	99% KM (Chebyshev) UCL	859	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-0.5	5 / 274	2	5.9	160	2.5	125	52.38	3.412	8.8	4648	68.18	X	4.6	95% KM (t) UCL	4.51	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-0.5	9 / 275	3	7.5	120	2.5	165	31.2	3.452	10	1830	42.78	X	5.96	95% KM (Chebyshev) UCL	10.5	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-0.5	8 / 275	3	5.1	51	2.5	165	15.01	2.869	8.4	239.1	15.46	X	2.8	KM H-UCL	9.2	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-0.5	6 / 275	2	6	26	2.5	165	13.08	2.735	7.7	94.05	9.698	X	2.96	95% KM (t) UCL	8.86	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-0.5	29 / 275	11	5	710	2.5	165	53.09	7.857	19	16678	129.1	X	4.64	KM H-UCL	14.8	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-0.5	150 / 275	55	5	3400	2.5	1900	136.4	75.95	20.5	132570	364.1	X	149	95% KM (Chebyshev) UCL	81.3	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-0.5	154 / 275	56	5	4400	2.5	165	148.6	84.67	22	203386	451	X	175	95% KM (Chebyshev) UCL	83.4	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-0.5	184 / 276	67	5	15000	2.5	165	267.6	179.6	32.5	1413481	1189	X	436	95% KM (Chebyshev) UCL	205	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-0.5	148 / 276	54	5	1500	2.5	1900	73.53	41.16	15.5	40996	202.5	X	81.3	95% KM (Chebyshev) UCL	46.3	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-0.5	141 / 275	51	5.1	5800	2.5	260	131.9	69.23	22	279323	528.5	X	170	95% KM (Chebyshev) UCL	80.8	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-0.5	178 / 275	65	5.1	5200	2.5	165	173.2	113.2	25.5	288672	537.3	X	229	95% KM (Chebyshev) UCL	110	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-0.5	51 / 275	19	5	530	2.5	1900	40.83	9.808	14	7940	89.11	X	20.7	95% KM (Chebyshev) UCL	28.7	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-0.5	194 / 276	70	5.1	8600	2.5	165	249.7	176.4	33.5	603142	776.6	X	350	95% KM (Chebyshev) UCL	190	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-0.5	5 / 275	2	6.6	14	2.5	165	9.7	2.634	9.2	7.25	2.693	X	2.75	95% KM (t) UCL	8.9	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-0.5	136 / 275	49	5.1	1200	2.5	1900	71.54	37.17	16.5	32525	180.3	X	71.8	95% KM (Chebyshev) UCL	43.5	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-0.5	10 / 275	4	5	18	2.3	125	10.22	2.595	9.3	21.13	4.597	X	2.78	95% KM (t) UCL	5.32	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-0.5	128 / 275	47	5.1	3100	2.5	165	109.6	52.45	21.5	109169	330.4	X	113	95% KM (Chebyshev) UCL	63.9	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-0.5	193 / 276	70	5	6600	2.5	165	224.9	158.1	31	424703	651.7	X	304	95% KM (Chebyshev) UCL	162	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-0.5	206 / 276	75	5.8	8200	5.8	380	182.7	138.1	24	463890	681.1	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-0.5	3 / 68	4	2.9	6.1	1	2	4.067	1.135	3.2	3.123	1.767	X	6.1	Max Detect	6.1	Max Detect
4,4-DDT	µg/kg	0-0.5	1 / 68	1	3	3	1	2	3	1.029	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-0.5	1 / 68	1	12	12	0.5	1	12	0.669	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-0.5	1 / 68	1	6.7	6.7	1	2	6.7	1.084	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-0.5	1 / 68	1	13	13	0.5	1	13	0.684	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-0.5	119 / 219	54	17	6280	0	49.5	427.8	233.1	142	697774	835.3	X	671	99% KM (Chebyshev) UCL	163	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-0.5	169 / 170	99	0.021	1600	0.47	0.47	53.27	52.96	8.9	27553	166	X	90.4	KM H-UCL	58.9	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-0.5	169 / 170	99	0.025	1100	0.71	0.71	35.25	35.05	6	10470	102.3	X	56.7	KM H-UCL	35.6	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-0.5	169 / 170	99	0.021	1600	0.47	0.47	53.27	52.96	8.9	27553	166	X	90.4	KM H-UCL	58.8	Bootstrap BCA 95UCL

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
2,3,7,8-TCDD	ng/kg	0-0.5	28 / 170	16	0.11	19	0.005	5	3.058	0.516	1.1	23.42	4.839	X	0.967	95% KM Approximate Gamma UCL	0.599	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-0.5	39 / 151	26	10	4000	5	107	208.7	57.73	28	512657	716	X	191	95% KM (Chebyshev) UCL	77.4	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-0.5	0 / 2	0	NA	NA	0.8	1.1	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-0.5	97 / 151	64	10	8900	5	50.5	239	155.5	39	1056263	1028	X	450	95% KM (Chebyshev) UCL	164	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-0.5	2 / 3	67	5.9	7	2	2	6.45	4.967	6.45	0.605	0.778	X	7	Max Detect	7	Max Detect
Sulfate	mg/kg	0-0.5	3 / 3	100	13.3	27.4	NA	NA	18.8	18.8	15.7	56.91	7.544	X	27.4	Max Detect	27.4	Max Detect
Soil Depth Interval: 0-3 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-3	46 / 46	100	3000	20000	NA	NA	8614	8614	8100	14018322	3744	--	--	--	--	--
Antimony	mg/kg	0-3	8 / 282	3	1.77	19	0.2	5.5	5.463	0.35	2.6	37.87	6.154	X	0.261	KM H-UCL	1.44	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-3	217 / 282	77	0.833	21	0.5	2.75	4.763	3.784	4.1	6.095	2.469	--	--	--	--	--
Barium	mg/kg	0-3	282 / 282	100	55.7	1300	NA	NA	193	193	160	18661	136.6	--	--	--	--	--
Beryllium	mg/kg	0-3	0 / 282	0	NA	NA	0.05	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-3	21 / 282	7	0.3	7.1	0.5	4.9	1.754	0.41	1.5	2.465	1.57	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-3	151 / 319	47	0.137	1800	0.1	2	17.05	8.127	0.82	21652	147.1	X	32.9	95% KM (Chebyshev) UCL	18.2	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-3	326 / 326	100	5.63	4000	NA	NA	82.95	82.95	28	96662	310.9	X	158	95% Chebyshev (Mean, Sd) UCL	92.3	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-3	279 / 282	99	2.37	20	2.2	2.45	7.358	7.303	6.8	9.355	3.059	--	--	--	--	--
Copper	mg/kg	0-3	323 / 323	100	1.8	2070	NA	NA	41.48	41.48	13	28009	167.4	X	82.1	95% Chebyshev (Mean, Sd) UCL	47.3	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-3	1 / 44	2	0.22	0.22	0.05	2.45	0.22	0.0631	0.22	NA	NA	--	--	--	--	--
Iron	mg/kg	0-3	52 / 52	100	540	32000	NA	NA	16143	16143	15000	37311443	6108	--	--	--	--	--
Lead	mg/kg	0-3	281 / 283	99	1.9	1600	0.5	2.75	24.87	24.7	7.13	11740	108.3	X	52.7	95% KM (Chebyshev) UCL	45.5	Bootstrap BCA 95UCL
Manganese	mg/kg	0-3	47 / 47	100	120	1300	NA	NA	296.4	296.4	260	38781	196.9	--	--	--	--	--
Mercury	mg/kg	0-3	31 / 283	11	0.07	60.3	0.0095	0.0617	2.94	0.331	0.17	130.5	11.42	X	1.34	95% KM (Chebyshev) UCL	1.34	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-3	48 / 282	17	0.63	21.3	0.5	2.75	3.534	1.022	1.435	25.53	5.053	--	--	--	--	--
Nickel	mg/kg	0-3	320 / 323	99	0.28	270	2.2	2.45	18.1	17.94	14.3	320.5	17.9	--	--	--	--	--
Selenium	mg/kg	0-3	6 / 282	2	1.1	9.1	0.5	2.75	3.7	0.568	2.2	10.43	3.229	--	--	--	--	--
Silver	mg/kg	0-3	0 / 282	0	NA	NA	0.125	2.75	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-3	4 / 282	1	1.37	6.1	0.5	5.5	2.605	0.532	1.475	5.433	2.331	X	0.638	95% KM (Chebyshev) UCL	1.36	Bootstrap BCA 95UCL
Vanadium	mg/kg	0-3	282 / 282	100	12.3	100	NA	NA	32.75	32.75	30	197.7	14.06	--	--	--	--	--
Zinc	mg/kg	0-3	323 / 323	100	8.08	2000	NA	NA	85.49	85.49	46	26049	161.4	X	125	95% Chebyshev (Mean, Sd) UCL	82.4	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-3	0 / 75	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-3	2 / 106	2	23	26	2	550	24.5	2.429	24.5	4.5	2.121	X	26	Max Detect	26	Max Detect
Chloro methane	µg/kg	0-3	3 / 106	3	5.5	11	2	550	8.567	2.189	9.2	7.863	2.804	X	11	Max Detect	11	Max Detect
Chloroform	µg/kg	0-3	1 / 106	1	11	11	2	550	11	2.086	11	NA	NA	X	11	Max Detect	11	Max Detect

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Ethyl- benzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-3	1 / 36	3	17	17	2.05	8	17	2.465	17	NA	NA	X	17	Max Detect	17	Max Detect
Methyl ethyl ketone	µg/kg	0-3	0 / 106	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, m,p-	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-3	2 / 140	1	214	345	165	27900	279.5	166.8	279.5	8581	92.63	X	345	Max Detect	345	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-3	2 / 140	1	354	482	165	27900	418	169.1	418	8192	90.51	X	482	Max Detect	482	Max Detect
Butylbenzylphthalate	µg/kg	0-3	0 / 140	0	NA	NA	165	27900	NA	NA	NA	NA	NA	--	--	--	--	--
Di-n-butyl phthalate	µg/kg	0-3	0 / 140	0	NA	NA	165	27900	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-3	2 / 140	1	1040	28600	165	10500	14820	374.5	14820	380000000	19488	X	28600	Max Detect	28600	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-3	146 / 284	51	1.83	2600	0	0	96.36	49.54	17.3	72865	269.9	X	167	99% KM (Chebyshev) UCL	50.5	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-3	220 / 284	77	1.08	22900	0	0	973.6	754.2	150.5	7699630	2775	X	2216	99% KM (Chebyshev) UCL	624	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-3	8 / 280	3	4.13	180	2.5	85.9	37.24	3.495	12.8	3616	60.13	X	4.92	95% KM Approximate Gamma UCL	4.24	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-3	11 / 283	4	5.85	160	2.5	165	28.97	3.548	11	2150	46.37	X	6.33	95% KM (Chebyshev) UCL	10.4	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-3	9 / 283	3	3.73	34.9	2.5	165	10.92	2.774	6.38	110.9	10.53	X	2.74	KM H-UCL	9.36	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-3	8 / 283	3	3.4	18.2	2.5	165	8.391	2.671	6.05	35.46	5.955	X	2.81	95% KM Approximate Gamma UCL	9.15	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-3	34 / 283	12	3.97	476	2.5	165	36.19	6.581	17.15	6537	80.85	X	4.46	KM H-UCL	12.4	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-3	162 / 283	57	3.53	2450	2.5	1270	109.9	64.39	17.5	72589	269.4	X	119	95% KM (Chebyshev) UCL	60.5	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-3	165 / 283	58	3.67	2930	2.5	165	114.9	68.43	20.3	97682	312.5	X	132	95% KM (Chebyshev) UCL	62.8	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-3	197 / 284	69	3.47	10000	2.5	165	202.8	141.9	31	626090	791.3	X	314	95% KM (Chebyshev) UCL	143	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-3	161 / 284	57	4.17	1400	2.5	1270	59.57	35.39	14	25133	158.5	X	67.2	95% KM (Chebyshev) UCL	38.2	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-3	153 / 283	54	4.33	3870	2.5	174	100.1	55.71	20.5	126259	355.3	X	125	95% KM (Chebyshev) UCL	56.7	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-3	191 / 283	67	3.2	3470	2.5	165	131.4	89.74	21	135217	367.7	X	170	95% KM (Chebyshev) UCL	78	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-3	58 / 283	20	3.67	356	2.5	1270	31.99	8.755	11	4256	65.24	X	17.1	95% KM (Chebyshev) UCL	22.1	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-3	210 / 284	74	3.83	5950	2.5	165	198.1	147.3	27.85	309424	556.3	X	273	95% KM (Chebyshev) UCL	139	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-3	5 / 283	2	5.25	14	2.5	165	8.086	2.602	7	11.59	3.405	X	2.7	95% KM (t) UCL	9.26	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-3	147 / 283	52	4.38	1100	2.5	1270	56.88	31.31	14	19116	138.3	X	58.2	95% KM (Chebyshev) UCL	35.4	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-3	12 / 283	4	3.6	21.3	2.33	165	8.069	2.581	6.54	24.63	4.962	X	2.74	95% KM (t) UCL	5.47	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-3	142 / 283	50	3.4	2080	2.5	165	85.23	44.1	16.6	52514	229.2	X	87.5	95% KM (Chebyshev) UCL	47.1	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-3	205 / 284	72	3.5	4600	2.5	165	180.3	131.1	26.9	229605	479.2	X	238	95% KM (Chebyshev) UCL	115	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-3	221 / 284	78	5.8	5470	5.8	380	144.2	113.7	24.8	216910	465.7	--	--	--	--	--

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Pesticides																		
4,4-DDE	µg/kg	0-3	4 / 72	6	2.9	6.1	1	1.67	4.15	1.175	3.8	2.11	1.453	X	1.35	95% KM (t) UCL	1.23	Bootstrap BCA 95UCL
4,4-DDT	µg/kg	0-3	1 / 72	1	3	3	1	1.67	3	1.028	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-3	1 / 72	1	12	12	0.5	0.833	12	0.66	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-3	1 / 72	1	6.7	6.7	1	1.67	6.7	1.079	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-3	1 / 72	1	13	13	0.5	0.833	13	0.674	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-3	122 / 222	55	14.2	6280	0	41.5	414.7	228.8	117	691880	831.8	X	663	99% KM (Chebyshev) UCL	155	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-3	174 / 175	99	0.021	1600	0.47	0.47	50.76	50.47	8.9	21016	145	X	98.8	KM H-UCL	63	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-3	174 / 175	99	0.025	1100	0.71	0.71	35.96	35.75	6.35	9609	98.02	X	63.7	KM H-UCL	41.6	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-3	174 / 175	99	0.021	1600	0.47	0.47	50.76	50.47	8.9	21016	145	X	98.8	KM H-UCL	62.9	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-3	33 / 175	19	0.11	17	0.005	5	3.228	0.622	0.94	26.32	5.13	X	0.35	KM H-UCL	0.769	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-3	57 / 159	36	5.92	2670	5	107	124.8	48.04	21	158069	397.6	X	133	95% KM (Chebyshev) UCL	48.2	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-3	0 / 131	0	NA	NA	0.375	80	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-3	114 / 157	73	6.77	5940	5	35.3	193.4	142	36.2	408915	639.5	X	334	95% KM (Chebyshev) UCL	115	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-3	4 / 5	80	3.7	223	2	2	59.9	48.32	6.45	11825	108.7	X	223	Max Detect	223	Max Detect
Nitrate	mg/kg	0-3	1 / 1	100	17	17	NA	NA	17	NA	17	NA	NA	X	17	Max Detect	17	Max Detect
Phosphate	mg/kg	0-3	1 / 1	100	64.2	64.2	NA	NA	64.2	NA	64.2	NA	NA	X	64.2	Max Detect	64.2	Max Detect
Sulfate	mg/kg	0-3	5 / 5	100	7.3	585	NA	NA	129.7	129.7	15.7	64823	254.6	X	585	Max Detect	585	Max Detect
Soil Depth Interval: 0-6 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-6	46 / 46	100	3000	20000	NA	NA	8588	8588	8150	14477179	3805	--	--	--	--	--
Antimony	mg/kg	0-6	8 / 288	3	2.1	10	0.2	5.5	3.861	0.302	2.6	7.549	2.748	X	0.39	95% KM Approximate Gamma UCL	1.24	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-6	223 / 288	77	1.02	18.2	0.5	2.75	4.704	3.76	4.18	5.442	2.333	--	--	--	--	--
Barium	mg/kg	0-6	288 / 288	100	35.7	1300	NA	NA	192.8	192.8	157.5	18648	136.6	--	--	--	--	--
Beryllium	mg/kg	0-6	0 / 288	0	NA	NA	0.05	3.52	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-6	22 / 288	8	0.3	3.8	0.5	4.9	1.494	0.393	1.36	0.695	0.834	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-6	160 / 328	49	0.134	908	0.08	2	10.52	5.18	0.79	5393	73.44	X	17.6	95% KM (Chebyshev) UCL	10.9	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-6	335 / 335	100	5.67	4000	NA	NA	81.79	81.79	27	97625	312.5	X	156	95% Chebyshev (Mean, Sd) UCL	90	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-6	285 / 288	99	2.2	20	2.2	2.45	7.39	7.336	6.9	8.585	2.93	--	--	--	--	--
Copper	mg/kg	0-6	330 / 330	100	2.2	1040	NA	NA	35.7	35.7	13	11543	107.4	X	61.5	95% Chebyshev (Mean, Sd) UCL	35	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-6	1 / 44	2	0.22	0.22	0.05	2.45	0.22	0.0631	0.22	NA	NA	--	--	--	--	--
Iron	mg/kg	0-6	53 / 53	100	425	32000	NA	NA	15832	15832	15000	42302588	6504	--	--	--	--	--
Lead	mg/kg	0-6	287 / 289	99	1.9	803	0.5	2.75	19.44	19.32	6.8	3643	60.36	X	34.7	95% KM (Chebyshev) UCL	26.8	Bootstrap BCA 95UCL
Manganese	mg/kg	0-6	47 / 47	100	120	1300	NA	NA	295.3	295.3	260	39088	197.7	--	--	--	--	--
Mercury	mg/kg	0-6	34 / 289	12	0.0633	102	0.0095	0.06	3.605	0.432	0.18	306.2	17.5	X	2	95% KM (Chebyshev) UCL	2.22	Bootstrap BCA 95UCL

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Molybdenum	mg/kg	0-6	60 / 289	21	0.63	34	0.5	3.52	3.168	1.063	1.3	29.03	5.388	--	--	--	--	--
Nickel	mg/kg	0-6	327 / 330	99	0.28	140	2.2	2.45	17.74	17.59	14.2	177.7	13.33	--	--	--	--	--
Selenium	mg/kg	0-6	9 / 288	3	0.683	9.1	0.5	2.75	2.815	0.573	1.5	8.324	2.885	--	--	--	--	--
Silver	mg/kg	0-6	0 / 288	0	NA	NA	0.125	3.52	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-6	4 / 288	1	1.75	6.1	0.5	7.1	3.063	0.538	2.2	4.227	2.056	X	0.58	95% KM (t) UCL	1.35	Bootstrap BCA 95UCL
Vanadium	mg/kg	0-6	288 / 288	100	12.2	100	NA	NA	33	33	30	191.9	13.85	--	--	--	--	--
Zinc	mg/kg	0-6	330 / 330	100	4.46	1020	NA	NA	77.62	77.62	46	13434	115.9	X	105	95% Chebyshev (Mean, Sd) UCL	71.8	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-6	0 / 83	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-6	2 / 111	2	19.6	23.5	2	550	21.55	2.359	21.55	7.605	2.758	X	23.5	Max Detect	23.5	Max Detect
Chloro methane	µg/kg	0-6	3 / 111	3	5.14	10.1	2	550	7.773	2.16	8.08	6.221	2.494	X	10.1	Max Detect	10.1	Max Detect
Chloroform	µg/kg	0-6	1 / 111	1	9.89	9.89	2	550	9.89	2.072	9.89	NA	NA	X	9.89	Max Detect	9.89	Max Detect
Ethyl- benzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-6	1 / 36	3	17	17	2.05	8	17	2.465	17	NA	NA	X	17	Max Detect	17	Max Detect
Methyl ethyl ketone	µg/kg	0-6	0 / 111	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, m,p-	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-6	2 / 145	1	263	313	165	28000	288	166.8	288	1250	35.36	X	313	Max Detect	313	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-6	2 / 145	1	323	733	165	28000	528	170.5	528	84050	289.9	X	733	Max Detect	733	Max Detect
Butylbenzylphthalate	µg/kg	0-6	0 / 145	0	NA	NA	165	28000	NA	NA	NA	NA	NA	--	--	--	--	--
Di-n-butyl phthalate	µg/kg	0-6	0 / 145	0	NA	NA	165	28000	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-6	2 / 145	1	604	28300	165	10500	14452	362.1	14452	384000000	19584	X	28300	Max Detect	28300	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-6	149 / 290	51	1.37	1340	0	0	75.23	38.65	13.9	33213	182.2	X	118	99% KM (Chebyshev) UCL	33.2	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-6	224 / 290	77	1.9	13400	0	0	735.7	568.2	122.5	3506419	1873	X	1547	99% KM (Chebyshev) UCL	433	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-6	8 / 286	3	3.77	200	2.5	86.7	40.61	3.569	20.25	4313	65.68	X	5.11	95% KM Approximate Gamma UCL	3.84	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-6	11 / 289	4	4.2	200	2.5	165	31.88	3.63	12	3257	57.07	X	5.15	95% KM Approximate Gamma UCL	9.05	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-6	10 / 289	3	3.4	22	2.5	165	8.91	2.727	4.97	51.05	7.145	X	3.2	95% KM (Chebyshev) UCL	8.13	Bootstrap BCA 95UCL

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Acenaphthylene	µg/kg	0-6	8 / 289	3	3.77	10.4	2.5	165	5.984	2.599	4.725	7.42	2.724	X	2.67	95% KM Approximate Gamma UCL	8.19	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-6	37 / 289	13	3.4	241	2.5	165	25.91	5.529	12	1788	42.29	X	4.26	KM H-UCL	9.71	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-6	166 / 289	57	3.4	1410	2.5	635	87.77	51.81	14.6	38484	196.2	X	91.5	95% KM (Chebyshev) UCL	44.2	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-6	170 / 289	59	2.93	1470	2.5	165	83.17	50.31	18.1	37549	193.8	X	89.8	95% KM (Chebyshev) UCL	44.2	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-6	203 / 290	70	2.75	5000	2.5	165	143.4	101.5	25.5	193949	440.4	X	197	95% KM (Chebyshev) UCL	88.5	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-6	164 / 290	57	2.83	1400	2.5	635	47.14	28.2	12.1	17165	131	X	54.1	95% KM (Chebyshev) UCL	29.1	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-6	157 / 289	54	3.43	1940	2.5	165	71.93	40.57	15.8	44565	211.1	X	81.4	95% KM (Chebyshev) UCL	37.2	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-6	196 / 289	68	3	1740	2.5	165	95.74	65.96	18.85	50740	225.3	X	115	95% KM (Chebyshev) UCL	54.1	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-6	62 / 289	21	3.37	340	2.5	635	25.47	7.617	10.6	2472	49.72	X	14.1	95% KM (Chebyshev) UCL	15	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-6	213 / 290	73	2.96	3200	2.5	165	155.5	115	26.3	149502	386.7	X	202	95% KM (Chebyshev) UCL	95.1	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-6	7 / 289	2	3.02	14	2.5	165	6.389	2.597	4.79	15.27	3.908	X	2.68	95% KM Approximate Gamma UCL	8	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-6	150 / 289	52	3.47	1100	2.5	635	44.8	24.91	11.2	12318	111	X	46.2	95% KM (Chebyshev) UCL	26	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-6	12 / 289	4	3.29	26.7	2.15	165	7.143	2.363	5.385	39.66	6.297	X	2.36	KM H-UCL	4.86	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-6	145 / 289	50	3.51	1200	2.5	165	66.04	34.46	14.3	24800	157.5	X	64.2	95% KM (Chebyshev) UCL	33	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-6	208 / 290	72	3.06	2500	2.5	165	141.8	102.6	24.2	118725	344.6	X	179	95% KM (Chebyshev) UCL	82.2	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-6	225 / 290	78	5.8	2740	5.8	380	107.2	84.71	22.8	79674	282.3	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-6	5 / 73	7	1.29	6.1	1	1.33	3.244	1.154	2.9	3.09	1.758	X	1.31	95% KM (t) UCL	1.25	Bootstrap BCA 95UCL
4,4-DDT	µg/kg	0-6	1 / 73	1	3	3	1	1.33	3	1.027	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-6	1 / 73	1	12	12	0.5	0.667	12	0.658	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-6	1 / 73	1	6.7	6.7	1	1.33	6.7	1.078	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-6	1 / 73	1	13	13	0.5	0.667	13	0.671	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-6	125 / 224	56	11.3	6280	0	38	383.5	215.3	112	661356	813.2	X	638	99% KM (Chebyshev) UCL	147	Bootstrap BCA 95UCL
Dioxins																		
TEQ Human	ng/kg	0-6	176 / 177	99	0.021	1600	0.47	0.47	49.78	49.5	9.065	20892	144.5	X	99	KM H-UCL	68.3	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-6	176 / 177	99	0.025	1100	0.71	0.71	35.97	35.77	6.25	9737	98.68	X	64.2	KM H-UCL	47	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-6	176 / 177	99	0.021	1600	0.47	0.47	49.78	49.5	9.065	20892	144.5	X	99	KM H-UCL	68.3	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-6	33 / 177	19	0.11	16.7	0.005	5	2.873	0.548	0.89	20.46	4.523	X	0.309	KM H-UCL	0.564	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-6	62 / 164	38	5.46	1340	5	107	97.45	40.03	19.8	58639	242.2	X	93	95% KM (Chebyshev) UCL	31.2	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-6	0 / 136	0	NA	NA	0.375	80	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-6	125 / 162	77	5.46	2980	5	20.2	167.6	130.5	29.3	186992	432.4	X	263	95% KM (Chebyshev) UCL	106	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-6	5 / 6	83	3.7	3010	2	2	649.9	541.9	7	1749487	1323	X	3010	Max Detect	3010	Max Detect
Nitrate	mg/kg	0-6	2 / 2	100	17	29	NA	NA	23	23	23	72	8.485	X	29	Max Detect	29	Max Detect
Phosphate	mg/kg	0-6	2 / 2	100	10.7	64.2	NA	NA	37.45	37.45	37.45	1431	37.83	X	64.2	Max Detect	64.2	Max Detect
Sulfate	mg/kg	0-6	6 / 6	100	7.3	1630	NA	NA	379.8	379.8	21.55	426988	653.4	X	1630	Max Detect	1630	Max Detect
Soil Depth Interval: 0-10 ft bgs																		
Inorganic Compounds																		
Aluminum	mg/kg	0-10	46 / 46	100	3000	20000	NA	NA	8578	8578	8150	14713231	3836	--	--	--	--	--

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Antimony	mg/kg	0-10	8 / 297	3	1.71	6.44	0.2	5.5	3.063	0.278	2.6	2.438	1.562	X	0.332	95% KM (t) UCL	1.18	Bootstrap BCA 95UCL
Arsenic	mg/kg	0-10	232 / 297	78	1.03	15.7	0.5	2.75	4.632	3.733	4.2	4.884	2.21	--	--	--	--	--
Barium	mg/kg	0-10	297 / 297	100	22	1300	NA	NA	191	191	150	20488	143.1	--	--	--	--	--
Beryllium	mg/kg	0-10	0 / 297	0	NA	NA	0.05	2.94	NA	NA	NA	NA	NA	--	--	--	--	--
Cadmium	mg/kg	0-10	23 / 297	8	0.3	2.48	0.5	4.9	1.248	0.375	1.2	0.294	0.542	--	--	--	--	--
Chromium, hexavalent	mg/kg	0-10	162 / 339	48	0.128	550	0.08	2	7.951	3.85	0.738	2126	46.1	X	11.5	95% KM (Chebyshev) UCL	8.11	Bootstrap BCA 95UCL
Chromium, total	mg/kg	0-10	346 / 346	100	2.9	4000	NA	NA	77.38	77.38	26	97931	312.9	X	151	95% Chebyshev (Mean, Sd) UCL	86.9	Bootstrap BCA 95UCL
Cobalt	mg/kg	0-10	294 / 297	99	1.7	20	2.2	2.45	7.441	7.383	7.1	8.132	2.852	--	--	--	--	--
Copper	mg/kg	0-10	337 / 339	99	2.2	790	1	5	30.97	30.8	12.8	6374	79.84	X	49.7	95% KM (Chebyshev) UCL	29.1	Bootstrap BCA 95UCL
Cyanide	mg/kg	0-10	1 / 44	2	0.22	0.22	0.05	2.45	0.22	0.0631	0.22	NA	NA	--	--	--	--	--
Iron	mg/kg	0-10	53 / 53	100	425	32000	NA	NA	15825	15825	15000	42874371	6548	--	--	--	--	--
Lead	mg/kg	0-10	296 / 298	99	1.9	484	0.5	2.75	15.76	15.67	6.2	1644	40.54	X	25.9	95% KM (Chebyshev) UCL	18.8	Bootstrap BCA 95UCL
Manganese	mg/kg	0-10	47 / 47	100	120	1300	NA	NA	294.9	294.9	260	39239	198.1	--	--	--	--	--
Mercury	mg/kg	0-10	34 / 298	11	0.0645	71.9	0.0095	0.06	2.582	0.303	0.181	151.5	12.31	X	1.37	95% KM (Chebyshev) UCL	1.54	Bootstrap BCA 95UCL
Molybdenum	mg/kg	0-10	67 / 300	22	0.63	22	0.5	2.94	2.872	1.039	1.36	16.37	4.046	--	--	--	--	--
Nickel	mg/kg	0-10	336 / 339	99	0.28	87.8	2.2	2.45	17.47	17.32	14.35	128.6	11.34	--	--	--	--	--
Selenium	mg/kg	0-10	10 / 297	3	0.61	9.1	0.5	2.75	2.68	0.574	1.525	7.597	2.756	--	--	--	--	--
Silver	mg/kg	0-10	0 / 297	0	NA	NA	0.125	2.94	NA	NA	NA	NA	NA	--	--	--	--	--
Thallium	mg/kg	0-10	5 / 297	2	1.12	6.1	0.5	5.86	2.554	0.538	1.93	4.048	2.012	X	0.574	95% KM Approximate Gamma UCL	1.35	Bootstrap BCA 95UCL
Vanadium	mg/kg	0-10	297 / 297	100	9.2	100	NA	NA	33.32	33.32	30.4	186.7	13.66	--	--	--	--	--
Zinc	mg/kg	0-10	339 / 339	100	6.9	1000	NA	NA	71.74	71.74	46	9291	96.39	X	94.6	95% Chebyshev (Mean, Sd) UCL	67.9	Bootstrap BCA 95UCL
Volatile Organic Compounds																		
1,2,4-Trimethylbenzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Acetone	µg/kg	0-10	0 / 88	0	NA	NA	19.5	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Bromomethane	µg/kg	0-10	2 / 117	2	12.7	17.7	2	550	15.2	2.23	15.2	12.5	3.536	X	17.7	Max Detect	17.7	Max Detect
Chloro methane	µg/kg	0-10	3 / 117	3	4.41	7.94	2	550	6.06	2.108	5.83	3.155	1.776	X	7.94	Max Detect	7.94	Max Detect
Chloroform	µg/kg	0-10	1 / 117	1	7.53	7.53	2	550	7.53	2.049	7.53	NA	NA	X	7.53	Max Detect	7.53	Max Detect
Ethyl- benzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Isopropylbenzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Methyl acetate	µg/kg	0-10	1 / 36	3	17	17	2.05	8	17	2.465	17	NA	NA	X	17	Max Detect	17	Max Detect
Methyl ethyl ketone	µg/kg	0-10	0 / 117	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--	--	--
Methylene chloride	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Butylbenzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
N-Propylbenzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
sec-Butylbenzene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Toluene	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
Xylene, m,p-	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylene, o-	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Xylenes, total	µg/kg	0-10	0 / 117	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--	--	--
Semi-Volatile Organic Compounds																		
4-Methylphenol	µg/kg	0-10	2 / 151	1	225	254	165	16900	239.5	166.1	239.5	420.5	20.51	X	254	Max Detect	254	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-10	2 / 151	1	260	506	165	16900	383	168.1	383	30258	173.9	X	506	Max Detect	506	Max Detect
Butylbenzylphthalate	µg/kg	0-10	1 / 151	1	12900	12900	165	16900	12900	249.9	12900	NA	NA	X	12900	Max Detect	12900	Max Detect
Di-n-butyl phthalate	µg/kg	0-10	0 / 151	0	NA	NA	165	16900	NA	NA	NA	NA	NA	--	--	--	--	--
Isophorone	µg/kg	0-10	2 / 151	1	429	17100	165	10500	8765	278.9	8765	139000000	11788	X	17100	Max Detect	17100	Max Detect
Polycyclic Aromatic Hydrocarbons																		
PAH low molecular weight	µg/kg	0-10	150 / 296	51	0.5	1340	0	0	65.67	33.28	13	28778	169.6	X	106	99% KM (Chebyshev) UCL	30.3	Bootstrap BCA 95UCL
PAH high molecular weight	µg/kg	0-10	225 / 296	76	1.14	10200	0	0	604	459.1	98.2	2369578	1539	X	1250	99% KM (Chebyshev) UCL	328	Bootstrap BCA 95UCL
1-Methyl naphthalene	µg/kg	0-10	8 / 292	3	3.28	208	2.5	53	41.69	3.576	15.45	4724	68.73	X	5.16	95% KM Approximate Gamma UCL	3.67	Bootstrap BCA 95UCL
2-Methyl naphthalene	µg/kg	0-10	12 / 295	4	3.54	216	2.5	165	32.12	3.716	13.95	3517	59.3	X	5.34	95% KM Approximate Gamma UCL	8.78	Bootstrap BCA 95UCL
Acenaphthene	µg/kg	0-10	10 / 295	3	3.06	31.1	2.5	165	9.53	2.743	4.88	92.06	9.595	X	3.32	95% KM (Chebyshev) UCL	7.89	Bootstrap BCA 95UCL
Acenaphthylene	µg/kg	0-10	8 / 295	3	3.28	7.32	2.5	165	4.788	2.564	3.855	2.965	1.722	X	2.62	95% KM (BCA) UCL	7.89	Bootstrap BCA 95UCL
Anthracene	µg/kg	0-10	37 / 295	13	3.12	145	2.5	165	23.09	5.114	10.7	1100	33.17	X	4.05	KM H-UCL	9.33	Bootstrap BCA 95UCL
Benzo (a) anthracene	µg/kg	0-10	168 / 295	57	2.81	1000	2.5	382	74.01	43.5	12.25	27579	166.1	X	76.6	95% KM (Chebyshev) UCL	35.3	Bootstrap BCA 95UCL
Benzo (a) pyrene	µg/kg	0-10	171 / 295	58	3.11	920	2.5	165	66.04	39.63	15	21638	147.1	X	69.2	95% KM (Chebyshev) UCL	33.4	Bootstrap BCA 95UCL
Benzo (b) fluoranthene	µg/kg	0-10	203 / 296	69	3.06	3000	2.5	165	113.4	78.85	21	94099	306.8	X	145	95% KM (Chebyshev) UCL	63.4	Bootstrap BCA 95UCL
Benzo (ghi) perylene	µg/kg	0-10	165 / 296	56	3.03	1400	2.5	382	40.78	24.2	10	15558	124.7	X	48.3	95% KM (Chebyshev) UCL	26	Bootstrap BCA 95UCL
Benzo (k) fluoranthene	µg/kg	0-10	158 / 295	54	3.1	1400	2.5	165	56.66	31.79	12.4	25559	159.9	X	62.3	95% KM (Chebyshev) UCL	28.2	Bootstrap BCA 95UCL
Chrysene	µg/kg	0-10	198 / 295	67	3.05	1200	2.5	165	76.45	52.35	15.7	30227	173.9	X	89.6	95% KM (Chebyshev) UCL	41	Bootstrap BCA 95UCL
Dibenzo (a,h) anthracene	µg/kg	0-10	62 / 295	21	3.02	340	2.5	382	22.69	6.902	8.945	2174	46.63	X	12.8	95% KM (Chebyshev) UCL	13	Bootstrap BCA 95UCL
Fluoranthene	µg/kg	0-10	214 / 296	72	2.81	2400	2.5	165	131.5	95.87	21.5	106901	327	X	168	95% KM (Chebyshev) UCL	74.4	Bootstrap BCA 95UCL
Fluorene	µg/kg	0-10	7 / 295	2	3.36	17.2	2.5	165	7.131	2.612	3.9	34.37	5.862	X	2.92	95% KM (Chebyshev) UCL	8.15	Bootstrap BCA 95UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-10	151 / 295	51	3.1	1100	2.5	382	38.53	21.3	9.7	10948	104.6	X	40.9	95% KM (Chebyshev) UCL	22.7	Bootstrap BCA 95UCL
Naphthalene	µg/kg	0-10	13 / 295	4	2.81	28.8	2.1	165	6.463	2.297	4.44	47.05	6.859	X	2.29	KM H-UCL	4.62	Bootstrap BCA 95UCL
Phenanthrene	µg/kg	0-10	145 / 295	49	3.15	1200	2.5	165	57.37	29.55	13	21609	147	X	56.6	95% KM (Chebyshev) UCL	30.3	Bootstrap BCA 95UCL
Pyrene	µg/kg	0-10	210 / 296	71	2.81	2200	2.5	165	118.9	85.26	20	88284	297.1	X	150	95% KM (Chebyshev) UCL	64.6	Bootstrap BCA 95UCL
B(a)P equivalent	µg/kg	0-10	227 / 296	77	5.8	1640	5.8	380	86.57	67.96	18.5	45481	213.3	--	--	--	--	--
Pesticides																		
4,4-DDE	µg/kg	0-10	5 / 74	7	1.34	6.1	1	1.2	3.12	1.143	2.9	3.307	1.818	X	1.29	95% KM (t) UCL	1.25	Bootstrap BCA 95UCL
4,4-DDT	µg/kg	0-10	1 / 74	1	3	3	1	1.2	3	1.027	3	NA	NA	X	3	Max Detect	3	Max Detect
Alpha-Chlordane	µg/kg	0-10	1 / 74	1	12	12	0.5	0.6	12	0.655	12	NA	NA	X	12	Max Detect	12	Max Detect
Dieldrin	µg/kg	0-10	1 / 74	1	6.7	6.7	1	1.2	6.7	1.077	6.7	NA	NA	X	6.7	Max Detect	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-10	1 / 74	1	13	13	0.5	0.6	13	0.669	13	NA	NA	X	13	Max Detect	13	Max Detect
Polychlorinated Biphenyls																		
Total PCBs	µg/kg	0-10	125 / 225	56	10.2	6280	0	38	367.7	205.7	103	653584	808.4	X	623	99% KM (Chebyshev) UCL	139	Bootstrap BCA 95UCL
Dioxins																		

Table OCSxBCW-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for OCS Excluding BCW (0-0.5 ft bgs, 0-3 ft bgs, 0-6 ft bgs, and 0-10 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]			
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPC?	Depth-Weighted UCL	Depth-Weighted UCL Basis	Area-Weighted UCL	Area-Weighted UCL Basis
TEQ Human	ng/kg	0-10	177 / 178	99	0.021	1600	0.47	0.47	46.52	46.26	8.3	20056	141.6	X	93.8	KM H-UCL	63	Bootstrap BCA 95UCL
TEQ Avian	ng/kg	0-10	177 / 178	99	0.025	1100	0.71	0.71	33.36	33.17	5.8	9218	96.01	X	59.5	KM H-UCL	42.2	Bootstrap BCA 95UCL
TEQ Mammals	ng/kg	0-10	177 / 178	99	0.021	1600	0.47	0.47	46.52	46.26	8.3	20056	141.6	X	93.8	KM H-UCL	62.3	Bootstrap BCA 95UCL
2,3,7,8-TCDD	ng/kg	0-10	33 / 178	19	0.11	15	0.005	5	2.346	0.447	0.89	14.12	3.757	X	0.251	KM H-UCL	0.468	Bootstrap BCA 95UCL
Total Petroleum Hydrocarbons																		
TPH as diesel	mg/kg	0-10	63 / 170	37	5.25	804	5	107	74.25	30.71	17	25422	159.4	X	65.1	95% KM (Chebyshev) UCL	24.1	Bootstrap BCA 95UCL
TPH as gasoline	mg/kg	0-10	0 / 142	0	NA	NA	0.375	80	NA	NA	NA	NA	NA	--	--	--	--	--
TPH as motor oil	mg/kg	0-10	125 / 168	74	6	1790	5	14.1	136.1	102.6	25.4	89494	299.2	X	192	95% KM (Chebyshev) UCL	84.8	Bootstrap BCA 95UCL
Miscellaneous																		
Chloride	mg/kg	0-10	5 / 6	83	3.7	3010	2	2	649.9	541.9	7	1749487	1323	X	3010	Max Detect	3010	Max Detect
Nitrate	mg/kg	0-10	2 / 2	100	17	29	NA	NA	23	23	23	72	8.485	X	29	Max Detect	29	Max Detect
Phosphate	mg/kg	0-10	2 / 2	100	10.7	64.2	NA	NA	37.45	37.45	37.45	1431	37.83	X	64.2	Max Detect	64.2	Max Detect
Sulfate	mg/kg	0-10	6 / 6	100	7.3	1630	NA	NA	379.8	379.8	21.55	426988	653.4	X	1630	Max Detect	1630	Max Detect

Notes:

[a] The constituent consists of analytes detected at least once at the Topock Compressor Station site and measured in soil in this exposure area.

[b] If fewer than eight total locations and four total detected concentrations, the maximum depth-weighted concentration was selected as the EPC. Otherwise, the UCL was selected as the EPC.

[c] EPCs and summary statistics were not calculated for some constituents (i.e., dioxin congeners and essential nutrients). Those data, if available, are presented in Attachment A1 of each exposure area-specific appendix.

Abbreviations:

"--" = not applicable
B(a)P equivalent = benzo(a)pyrene equivalent
BCA = Bias-corrected accelerated bootstrap method
BCW = Bat Cave Wash
COPC = constituent of potential concern
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
EPC = exposure point concentration
FOD = frequency of detection
ft bgs = feet below ground surface
KM = Kaplan-Meier
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
ND = not detected
ng/kg = nanograms per kilogram
OCS = Outside the Compressor Station
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyls
PG&E = Pacific Gas and Electric Company
TCDD = Tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons
UCL = upper confidence limit
X = COPC in the exposure depth interval

Table OCSxBCW-4.1a
Summary of COPCs Evaluated in the HHRA for OCS Excluding BCW: Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	COPCs in Surface Soil (0 to 0.5 feet bgs)	COPCs in Shallow Soil (0 to 3 feet bgs)	COPCs in Subsurface I Soil (0 to 6 feet bgs)	COPCs in Subsurface II Soil (0 to 10 feet bgs)
Inorganics				
Antimony	x	x	x	x
Chromium, Hexavalent	x	x	x	x
Chromium, total	x	x	x	x
Copper	x	x	x	x
Cyanide	x	x	x	x
Lead	x	x	x	x
Mercury (inorganic)	x	x	x	x
Nitrate	--	x	x	x
Phosphate	--	x	x	x
Thallium	--	x	x	x
Zinc	x	x	x	x
Volatile Organic Compounds				
Bromomethane	--	x	x	x
Chloro methane	--	x	x	x
Chloroform	--	x	x	x
Isophorone	x	x	x	x
Methyl acetate	--	x	x	x

Table OCSxBCW-4.1a
Summary of COPCs Evaluated in the HHRA for OCS Excluding BCW: Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	COPCs in Surface Soil (0 to 0.5 feet bgs)	COPCs in Shallow Soil (0 to 3 feet bgs)	COPCs in Subsurface I Soil (0 to 6 feet bgs)	COPCs in Subsurface II Soil (0 to 10 feet bgs)
Semi-Volatile Organic Compounds				
4-Methylphenol	x	x	x	x
bis (2-ethylhexyl) phthalate	x	x	x	x
Butylbenzylphthalate	--	--	--	x
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	x	x	x	x
2-Methyl naphthalene	x	x	x	x
Acenaphthene	x	x	x	x
Acenaphthylene	x	x	x	x
Anthracene	x	x	x	x
Benzo (ghi) perylene	x	x	x	x
Fluoranthene	x	x	x	x
Fluorene	x	x	x	x
Naphthalene	x	x	x	x
Phenanthrene	x	x	x	x
Pyrene	x	x	x	x
Pesticides				
4,4-DDE	x	x	x	x
4,4-DDT	x	x	x	x
alpha-Chlordane	x	x	x	x
Dieldrin	x	x	x	x
gamma-Chlordane	x	x	x	x

Table OCSxBCW-4.1a
Summary of COPCs Evaluated in the HHRA for OCS Excluding BCW: Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	COPCs in Surface Soil (0 to 0.5 feet bgs)	COPCs in Shallow Soil (0 to 3 feet bgs)	COPCs in Subsurface I Soil (0 to 6 feet bgs)	COPCs in Subsurface II Soil (0 to 10 feet bgs)
Polychlorinated Biphenyls				
Total PCBs	x	x	x	x
Total Petroleum Hydrocarbons				
TPH as diesel	x	x	x	x
TPH as motor oil	x	x	x	x
Dioxins/Furans				
TEQ Human	x	x	x	x

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
-- = not detected or not analyzed.
x = Chemical included as COPC in human health risk assessment.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-4.2a

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.3E+00	3.3E-01	1.3E-06	NV	1.3E-06	NV
Chromium, Hexavalent	5.0E+01	1.2E+01	5.0E-05	NV	5.0E-05	NV
Chromium, total	9.7E+01	1.5E+02	9.7E-05	NV	9.7E-05	NV
Copper	8.3E+01	5.0E+01	8.3E-05	NV	8.3E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	3.9E+01	2.6E+01	3.9E-05	NV	3.9E-05	NV
Mercury (inorganic)	7.3E-01	1.4E+00	7.3E-07	NV	7.3E-07	NV
Nitrate	NS	2.9E+01	NA	NV	NA	NV
Phosphate	NS	6.4E+01	NA	NV	NA	NV
Thallium	ND	5.7E-01	NA	NV	NA	NV
Zinc	1.2E+02	9.5E+01	1.2E-04	NV	1.2E-04	NV
Volatile Organic Compounds						
Bromomethane	ND	1.8E-02	NA	5.2E-05	NA	9.5E-06
Chloro methane	ND	7.9E-03	NA	2.8E-05	NA	5.1E-06
Chloroform	ND	7.5E-03	NA	1.2E-05	NA	2.1E-06
Isophorone	2.8E+00	1.7E+01	2.8E-06	NV	2.8E-06	NV
Methyl acetate	ND	1.7E-02	NA	8.5E-06	NA	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	4.3E-01	2.5E-01	4.3E-07	NV	4.3E-07	NV
bis (2-ethylhexyl) phthalate	6.4E-01	5.1E-01	6.4E-07	NV	6.4E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCSxBCW-4.2a

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.6E-03	5.2E-03	4.6E-09	3.6E-07	4.6E-09	6.7E-08
2-Methyl naphthalene	6.0E-03	5.3E-03	6.0E-09	3.6E-07	6.0E-09	6.6E-08
Acenaphthene	2.8E-03	3.3E-03	2.8E-09	9.3E-08	2.8E-09	1.7E-08
Acenaphthylene	3.0E-03	2.6E-03	3.0E-09	NV	3.0E-09	NV
Anthracene	4.6E-03	4.1E-03	4.6E-09	3.2E-08	4.6E-09	5.8E-09
Benzo (ghi) perylene	8.1E-02	4.8E-02	8.1E-08	NV	8.1E-08	NV
Fluoranthene	3.5E-01	1.7E-01	3.5E-07	NV	3.5E-07	NV
Fluorene	2.8E-03	2.9E-03	2.8E-09	4.1E-08	2.8E-09	7.5E-09
Naphthalene	2.8E-03	2.3E-03	2.8E-09	2.0E-07	2.8E-09	3.6E-08
Phenanthrene	1.1E-01	5.7E-02	1.1E-07	NV	1.1E-07	NV
Pyrene	3.0E-01	1.5E-01	3.0E-07	2.5E-07	3.0E-07	4.5E-08
Pesticides						
4,4-DDE	6.1E-03	1.3E-03	6.1E-09	3.2E-09	6.1E-09	5.8E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	6.7E-01	6.2E-01	6.7E-07	4.8E-06	6.7E-07	8.9E-07
Total Petroleum Hydrocarbons						
TPH as diesel	1.9E+02	6.5E+01	1.9E-04	1.3E-01	1.9E-04	2.4E-02
TPH as motor oil	4.5E+02	1.9E+02	4.5E-04	NV	4.5E-04	NV

Table OCSxBCW-4.2a

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	9.0E-05	9.4E-05	9.0E-11	2.0E-10	9.0E-11	3.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.2b

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	2.6E-01	3.3E-01	2.6E-07	NV	2.6E-07	NV
Chromium, Hexavalent	3.3E+01	1.2E+01	3.3E-05	NV	3.3E-05	NV
Chromium, total	1.6E+02	1.5E+02	1.6E-04	NV	1.6E-04	NV
Copper	8.2E+01	5.0E+01	8.2E-05	NV	8.2E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	5.3E+01	2.6E+01	5.3E-05	NV	5.3E-05	NV
Mercury (inorganic)	1.3E+00	1.4E+00	1.3E-06	NV	1.3E-06	NV
Nitrate	1.7E+01	2.9E+01	1.7E-05	NV	1.7E-05	NV
Phosphate	6.4E+01	6.4E+01	6.4E-05	NV	6.4E-05	NV
Thallium	6.4E-01	5.7E-01	6.4E-07	NV	6.4E-07	NV
Zinc	1.3E+02	9.5E+01	1.3E-04	NV	1.3E-04	NV
Volatile Organic Compounds						
Bromomethane	2.6E-02	1.8E-02	2.6E-08	5.2E-05	2.6E-08	9.5E-06
Chloro methane	1.1E-02	7.9E-03	1.1E-08	2.8E-05	1.1E-08	5.1E-06
Chloroform	1.1E-02	7.5E-03	1.1E-08	1.2E-05	1.1E-08	2.1E-06
Isophorone	2.9E+01	1.7E+01	2.9E-05	NV	2.9E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	3.5E-01	2.5E-01	3.5E-07	NV	3.5E-07	NV
bis (2-ethylhexyl) phthalate	4.8E-01	5.1E-01	4.8E-07	NV	4.8E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCSxBCW-4.2b

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.9E-03	5.2E-03	4.9E-09	3.6E-07	4.9E-09	6.7E-08
2-Methyl naphthalene	6.3E-03	5.3E-03	6.3E-09	3.6E-07	6.3E-09	6.6E-08
Acenaphthene	2.7E-03	3.3E-03	2.7E-09	9.3E-08	2.7E-09	1.7E-08
Acenaphthylene	2.8E-03	2.6E-03	2.8E-09	NV	2.8E-09	NV
Anthracene	4.5E-03	4.1E-03	4.5E-09	3.2E-08	4.5E-09	5.8E-09
Benzo (ghi) perylene	6.7E-02	4.8E-02	6.7E-08	NV	6.7E-08	NV
Fluoranthene	2.7E-01	1.7E-01	2.7E-07	NV	2.7E-07	NV
Fluorene	2.7E-03	2.9E-03	2.7E-09	4.1E-08	2.7E-09	7.5E-09
Naphthalene	2.7E-03	2.3E-03	2.7E-09	2.0E-07	2.7E-09	3.6E-08
Phenanthrene	8.8E-02	5.7E-02	8.8E-08	NV	8.8E-08	NV
Pyrene	2.4E-01	1.5E-01	2.4E-07	2.5E-07	2.4E-07	4.5E-08
Pesticides						
4,4-DDE	1.4E-03	1.3E-03	1.4E-09	3.2E-09	1.4E-09	5.8E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	6.6E-01	6.2E-01	6.6E-07	4.8E-06	6.6E-07	8.9E-07
Total Petroleum Hydrocarbons						
TPH as diesel	1.3E+02	6.5E+01	1.3E-04	1.3E-01	1.3E-04	2.4E-02
TPH as motor oil	3.3E+02	1.9E+02	3.3E-04	NV	3.3E-04	NV

Table OCSxBCW-4.2b

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	9.9E-05	9.4E-05	9.9E-11	2.0E-10	9.9E-11	3.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.2c

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	3.9E-01	3.3E-01	3.9E-07	NV	3.9E-07	NV
Chromium, Hexavalent	1.8E+01	1.2E+01	1.8E-05	NV	1.8E-05	NV
Chromium, total	1.6E+02	1.5E+02	1.6E-04	NV	1.6E-04	NV
Copper	6.2E+01	5.0E+01	6.2E-05	NV	6.2E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	3.5E+01	2.6E+01	3.5E-05	NV	3.5E-05	NV
Mercury (inorganic)	2.0E+00	1.4E+00	2.0E-06	NV	2.0E-06	NV
Nitrate	2.9E+01	2.9E+01	2.9E-05	NV	2.9E-05	NV
Phosphate	6.4E+01	6.4E+01	6.4E-05	NV	6.4E-05	NV
Thallium	5.8E-01	5.7E-01	5.8E-07	NV	5.8E-07	NV
Zinc	1.1E+02	9.5E+01	1.1E-04	NV	1.1E-04	NV
Volatile Organic Compounds						
Bromomethane	2.4E-02	1.8E-02	2.4E-08	5.2E-05	2.4E-08	9.5E-06
Chloro methane	1.0E-02	7.9E-03	1.0E-08	2.8E-05	1.0E-08	5.1E-06
Chloroform	9.9E-03	7.5E-03	9.9E-09	1.2E-05	9.9E-09	2.1E-06
Isophorone	2.8E+01	1.7E+01	2.8E-05	NV	2.8E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	3.1E-01	2.5E-01	3.1E-07	NV	3.1E-07	NV
bis (2-ethylhexyl) phthalate	7.3E-01	5.1E-01	7.3E-07	NV	7.3E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCSxBCW-4.2c

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	5.1E-03	5.2E-03	5.1E-09	3.6E-07	5.1E-09	6.7E-08
2-Methyl naphthalene	5.2E-03	5.3E-03	5.2E-09	3.6E-07	5.2E-09	6.6E-08
Acenaphthene	3.2E-03	3.3E-03	3.2E-09	9.3E-08	3.2E-09	1.7E-08
Acenaphthylene	2.7E-03	2.6E-03	2.7E-09	NV	2.7E-09	NV
Anthracene	4.3E-03	4.1E-03	4.3E-09	3.2E-08	4.3E-09	5.8E-09
Benzo (ghi) perylene	5.4E-02	4.8E-02	5.4E-08	NV	5.4E-08	NV
Fluoranthene	2.0E-01	1.7E-01	2.0E-07	NV	2.0E-07	NV
Fluorene	2.7E-03	2.9E-03	2.7E-09	4.1E-08	2.7E-09	7.5E-09
Naphthalene	2.4E-03	2.3E-03	2.4E-09	2.0E-07	2.4E-09	3.6E-08
Phenanthrene	6.4E-02	5.7E-02	6.4E-08	NV	6.4E-08	NV
Pyrene	1.8E-01	1.5E-01	1.8E-07	2.5E-07	1.8E-07	4.5E-08
Pesticides						
4,4-DDE	1.3E-03	1.3E-03	1.3E-09	3.2E-09	1.3E-09	5.8E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	6.4E-01	6.2E-01	6.4E-07	4.8E-06	6.4E-07	8.9E-07
Total Petroleum Hydrocarbons						
TPH as diesel	9.3E+01	6.5E+01	9.3E-05	1.3E-01	9.3E-05	2.4E-02
TPH as motor oil	2.6E+02	1.9E+02	2.6E-04	NV	2.6E-04	NV

Table OCSxBCW-4.2c

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	9.9E-05	9.4E-05	9.9E-11	2.0E-10	9.9E-11	3.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface I soil (0 to 6 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.2d

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Inorganics					
Antimony	3.3E-01	3.3E-07	NV	3.3E-07	NV
Chromium, Hexavalent	1.2E+01	1.2E-05	NV	1.2E-05	NV
Chromium, total	1.5E+02	1.5E-04	NV	1.5E-04	NV
Copper	5.0E+01	5.0E-05	NV	5.0E-05	NV
Cyanide	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	2.6E+01	2.6E-05	NV	2.6E-05	NV
Mercury (inorganic)	1.4E+00	1.4E-06	NV	1.4E-06	NV
Nitrate	2.9E+01	2.9E-05	NV	2.9E-05	NV
Phosphate	6.4E+01	6.4E-05	NV	6.4E-05	NV
Thallium	5.7E-01	5.7E-07	NV	5.7E-07	NV
Zinc	9.5E+01	9.5E-05	NV	9.5E-05	NV
Volatile Organic Compounds					
Bromomethane	1.8E-02	1.8E-08	5.2E-05	1.8E-08	9.5E-06
Chloro methane	7.9E-03	7.9E-09	2.8E-05	7.9E-09	5.1E-06
Chloroform	7.5E-03	7.5E-09	1.2E-05	7.5E-09	2.1E-06
Isophorone	1.7E+01	1.7E-05	NV	1.7E-05	NV
Methyl acetate	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds					
4-Methylphenol	2.5E-01	2.5E-07	NV	2.5E-07	NV
bis (2-ethylhexyl) phthalate	5.1E-01	5.1E-07	NV	5.1E-07	NV
Butylbenzylphthalate	1.3E+01	1.3E-05	NV	1.3E-05	NV

Table OCSxBCW-4.2d

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	5.2E-03	5.2E-09	3.6E-07	5.2E-09	6.7E-08
2-Methyl naphthalene	5.3E-03	5.3E-09	3.6E-07	5.3E-09	6.6E-08
Acenaphthene	3.3E-03	3.3E-09	9.3E-08	3.3E-09	1.7E-08
Acenaphthylene	2.6E-03	2.6E-09	NV	2.6E-09	NV
Anthracene	4.1E-03	4.1E-09	3.2E-08	4.1E-09	5.8E-09
Benzo (ghi) perylene	4.8E-02	4.8E-08	NV	4.8E-08	NV
Fluoranthene	1.7E-01	1.7E-07	NV	1.7E-07	NV
Fluorene	2.9E-03	2.9E-09	4.1E-08	2.9E-09	7.5E-09
Naphthalene	2.3E-03	2.3E-09	2.0E-07	2.3E-09	3.6E-08
Phenanthrene	5.7E-02	5.7E-08	NV	5.7E-08	NV
Pyrene	1.5E-01	1.5E-07	2.5E-07	1.5E-07	4.5E-08
Pesticides					
4,4-DDE	1.3E-03	1.3E-09	3.2E-09	1.3E-09	5.8E-10
4,4-DDT	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls					
Total PCBs	6.2E-01	6.2E-07	4.8E-06	6.2E-07	8.9E-07
Total Petroleum Hydrocarbons					
TPH as diesel	6.5E+01	6.5E-05	1.3E-01	6.5E-05	2.4E-02
TPH as motor oil	1.9E+02	1.9E-04	NV	1.9E-04	NV

Table OCSxBCW-4.2d

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Dioxins/Furans					
TEQ Human	9.4E-05	9.4E-11	2.0E-10	9.4E-11	3.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of particulates in outdoor air. Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatile compounds in outdoor air. Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.2e
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics										
Antimony	1.3E+00	3.3E-01	9.8E-10	NV	9.8E-10	NV	9.8E-10	NV	1.6E-06	NV
Chromium, Hexavalent	5.0E+01	1.2E+01	3.7E-08	NV	3.7E-08	NV	3.7E-08	NV	5.9E-05	NV
Chromium, total	9.7E+01	1.5E+02	7.2E-08	NV	7.2E-08	NV	7.2E-08	NV	1.1E-04	NV
Copper	8.3E+01	5.0E+01	6.1E-08	NV	6.1E-08	NV	6.1E-08	NV	9.8E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	3.9E+01	2.6E+01	2.9E-08	NV	2.9E-08	NV	2.9E-08	NV	4.7E-05	NV
Mercury (inorganic)	7.3E-01	1.4E+00	5.4E-10	NV	5.4E-10	NV	5.4E-10	NV	8.6E-07	NV
Nitrate	NS	2.9E+01	NA	NV	NA	NV	NA	NV	NA	NV
Phosphate	NS	6.4E+01	NA	NV	NA	NV	NA	NV	NA	NV
Thallium	ND	5.7E-01	NA	NV	NA	NV	NA	NV	NA	NV
Zinc	1.2E+02	9.5E+01	8.7E-08	NV	8.7E-08	NV	8.7E-08	NV	1.4E-04	NV
Volatile Organic Compounds										
Bromomethane	ND	1.8E-02	NA	1.0E-05	NA	1.0E-05	NA	1.0E-05	NA	1.0E-05
Chloro methane	ND	7.9E-03	NA	5.4E-06	NA	5.4E-06	NA	5.4E-06	NA	5.4E-06
Chloroform	ND	7.5E-03	NA	2.3E-06	NA	2.3E-06	NA	2.3E-06	NA	2.3E-06
Isophorone	2.8E+00	1.7E+01	2.1E-09	NV	2.1E-09	NV	2.1E-09	NV	3.3E-06	NV
Methyl acetate	ND	1.7E-02	NA	1.7E-06	NA	1.7E-06	NA	1.7E-06	NA	1.7E-06
Semi-Volatile Organic Compounds										
4-Methylphenol	4.3E-01	2.5E-01	3.2E-10	NV	3.2E-10	NV	3.2E-10	NV	5.1E-07	NV
bis (2-ethylhexyl) phthalate	6.4E-01	5.1E-01	4.7E-10	NV	4.7E-10	NV	4.7E-10	NV	7.6E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	4.6E-03	5.2E-03	3.4E-12	7.1E-08	3.4E-12	7.1E-08	3.4E-12	7.1E-08	5.4E-09	7.1E-08
2-Methyl naphthalene	6.0E-03	5.3E-03	4.4E-12	7.1E-08	4.4E-12	7.1E-08	4.4E-12	7.1E-08	7.0E-09	7.1E-08
Acenaphthene	2.8E-03	3.3E-03	2.1E-12	1.8E-08	2.1E-12	1.8E-08	2.1E-12	1.8E-08	3.3E-09	1.8E-08
Acenaphthylene	3.0E-03	2.6E-03	2.2E-12	NV	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
Anthracene	4.6E-03	4.1E-03	3.4E-12	6.3E-09	3.4E-12	6.3E-09	3.4E-12	6.3E-09	5.5E-09	6.3E-09
Benzo (ghi) perylene	8.1E-02	4.8E-02	6.0E-11	NV	6.0E-11	NV	6.0E-11	NV	9.6E-08	NV
Fluoranthene	3.5E-01	1.7E-01	2.6E-10	NV	2.6E-10	NV	2.6E-10	NV	4.1E-07	NV

Table OCSxBCW-4.2e
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Fluorene	2.8E-03	2.9E-03	2.0E-12	8.1E-09	2.0E-12	8.1E-09	2.0E-12	8.1E-09	3.2E-09	8.1E-09
Naphthalene	2.8E-03	2.3E-03	2.0E-12	3.9E-08	2.0E-12	3.9E-08	2.0E-12	3.9E-08	3.3E-09	3.9E-08
Phenanthrene	1.1E-01	5.7E-02	8.3E-11	NV	8.3E-11	NV	8.3E-11	NV	1.3E-07	NV
Pyrene	3.0E-01	1.5E-01	2.2E-10	4.9E-08	2.2E-10	4.9E-08	2.2E-10	4.9E-08	3.6E-07	4.9E-08
Pesticides										
4,4-DDE	6.1E-03	1.3E-03	4.5E-12	6.2E-10	4.5E-12	6.2E-10	4.5E-12	6.2E-10	7.2E-09	6.2E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV
Polychlorinated Biphenyls										
Total PCBs	6.7E-01	6.2E-01	4.9E-10	9.5E-07	4.9E-10	9.5E-07	4.9E-10	9.5E-07	7.9E-07	9.5E-07
Total Petroleum Hydrocarbons										
TPH as diesel	1.9E+02	6.5E+01	1.4E-07	2.6E-02	1.4E-07	2.6E-02	1.4E-07	2.6E-02	2.3E-04	2.6E-02
TPH as motor oil	4.5E+02	1.9E+02	3.3E-07	NV	3.3E-07	NV	3.3E-07	NV	5.3E-04	NV
Dioxins/Furans										
TEQ Human	9.0E-05	9.4E-05	6.6E-14	3.9E-11	6.6E-14	3.9E-11	6.6E-14	3.9E-11	1.1E-10	3.9E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers, hikers, and hunters) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009) and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at: http://www.epa.gov/region09/toxic/noa/clearcreek/pdf/CCMARiskDoc24Apr08-withoutAppxG.pdf

USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA_Addendum.pdf

Table OCSxBCW-4.2f
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics										
Antimony	2.6E-01	3.3E-01	1.9E-10	NV	1.9E-10	NV	1.9E-10	NV	3.1E-07	NV
Chromium, Hexavalent	3.3E+01	1.2E+01	2.4E-08	NV	2.4E-08	NV	2.4E-08	NV	3.9E-05	NV
Chromium, total	1.6E+02	1.5E+02	1.2E-07	NV	1.2E-07	NV	1.2E-07	NV	1.9E-04	NV
Copper	8.2E+01	5.0E+01	6.0E-08	NV	6.0E-08	NV	6.0E-08	NV	9.7E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	5.3E+01	2.6E+01	3.9E-08	NV	3.9E-08	NV	3.9E-08	NV	6.2E-05	NV
Mercury (inorganic)	1.3E+00	1.4E+00	9.9E-10	NV	9.9E-10	NV	9.9E-10	NV	1.6E-06	NV
Nitrate	1.7E+01	2.9E+01	1.3E-08	NV	1.3E-08	NV	1.3E-08	NV	2.0E-05	NV
Phosphate	6.4E+01	6.4E+01	4.7E-08	NV	4.7E-08	NV	4.7E-08	NV	7.6E-05	NV
Thallium	6.4E-01	5.7E-01	4.7E-10	NV	4.7E-10	NV	4.7E-10	NV	7.5E-07	NV
Zinc	1.3E+02	9.5E+01	9.2E-08	NV	9.2E-08	NV	9.2E-08	NV	1.5E-04	NV
Volatile Organic Compounds										
Bromomethane	2.6E-02	1.8E-02	1.9E-11	1.0E-05	1.9E-11	1.0E-05	1.9E-11	1.0E-05	3.1E-08	1.0E-05
Chloro methane	1.1E-02	7.9E-03	8.1E-12	5.4E-06	8.1E-12	5.4E-06	8.1E-12	5.4E-06	1.3E-08	5.4E-06
Chloroform	1.1E-02	7.5E-03	8.1E-12	2.3E-06	8.1E-12	2.3E-06	8.1E-12	2.3E-06	1.3E-08	2.3E-06
Isophorone	2.9E+01	1.7E+01	2.1E-08	NV	2.1E-08	NV	2.1E-08	NV	3.4E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.3E-11	1.7E-06	1.3E-11	1.7E-06	1.3E-11	1.7E-06	2.0E-08	1.7E-06
Semi-Volatile Organic Compounds										
4-Methylphenol	3.5E-01	2.5E-01	2.5E-10	NV	2.5E-10	NV	2.5E-10	NV	4.1E-07	NV
bis (2-ethylhexyl) phthalate	4.8E-01	5.1E-01	3.5E-10	NV	3.5E-10	NV	3.5E-10	NV	5.7E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	4.9E-03	5.2E-03	3.6E-12	7.1E-08	3.6E-12	7.1E-08	3.6E-12	7.1E-08	5.8E-09	7.1E-08
2-Methyl naphthalene	6.3E-03	5.3E-03	4.7E-12	7.1E-08	4.7E-12	7.1E-08	4.7E-12	7.1E-08	7.5E-09	7.1E-08
Acenaphthene	2.7E-03	3.3E-03	2.0E-12	1.8E-08	2.0E-12	1.8E-08	2.0E-12	1.8E-08	3.2E-09	1.8E-08
Acenaphthylene	2.8E-03	2.6E-03	2.1E-12	NV	2.1E-12	NV	2.1E-12	NV	3.3E-09	NV
Anthracene	4.5E-03	4.1E-03	3.3E-12	6.3E-09	3.3E-12	6.3E-09	3.3E-12	6.3E-09	5.3E-09	6.3E-09
Benzo (ghi) perylene	6.7E-02	4.8E-02	4.9E-11	NV	4.9E-11	NV	4.9E-11	NV	7.9E-08	NV
Fluoranthene	2.7E-01	1.7E-01	2.0E-10	NV	2.0E-10	NV	2.0E-10	NV	3.2E-07	NV

Table OCSxBCW-4.2f
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Hunter		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Fluorene	2.7E-03	2.9E-03	2.0E-12	8.1E-09	2.0E-12	8.1E-09	2.0E-12	8.1E-09	3.2E-09	8.1E-09
Naphthalene	2.7E-03	2.3E-03	2.0E-12	3.9E-08	2.0E-12	3.9E-08	2.0E-12	3.9E-08	3.2E-09	3.9E-08
Phenanthrene	8.8E-02	5.7E-02	6.4E-11	NV	6.4E-11	NV	6.4E-11	NV	1.0E-07	NV
Pyrene	2.4E-01	1.5E-01	1.8E-10	4.9E-08	1.8E-10	4.9E-08	1.8E-10	4.9E-08	2.8E-07	4.9E-08
Pesticides										
4,4-DDE	1.4E-03	1.3E-03	9.9E-13	6.2E-10	9.9E-13	6.2E-10	9.9E-13	6.2E-10	1.6E-09	6.2E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV
Polychlorinated Biphenyls										
Total PCBs	6.6E-01	6.2E-01	4.9E-10	9.5E-07	4.9E-10	9.5E-07	4.9E-10	9.5E-07	7.8E-07	9.5E-07
Total Petroleum Hydrocarbons										
TPH as diesel	1.3E+02	6.5E+01	9.8E-08	2.6E-02	9.8E-08	2.6E-02	9.8E-08	2.6E-02	1.6E-04	2.6E-02
TPH as motor oil	3.3E+02	1.9E+02	2.5E-07	NV	2.5E-07	NV	2.5E-07	NV	3.9E-04	NV
Dioxins/Furans										
TEQ Human	9.9E-05	9.4E-05	7.3E-14	3.9E-11	7.3E-14	3.9E-11	7.3E-14	3.9E-11	1.2E-10	3.9E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers, hikers, and hunters) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009)and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at: http://www.epa.gov/region09/toxic/noa/clearcreek/pdf/CCMARiskDoc24Apr08-withoutAppxG.pdf

USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA_Addendum.pdf

Table OCSxBCW-4.2g

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics				
Antimony	1.3E+00	3.3E-01	9.8E-10	NV
Chromium, Hexavalent	5.0E+01	1.2E+01	3.7E-08	NV
Chromium, total	9.7E+01	1.5E+02	7.2E-08	NV
Copper	8.3E+01	5.0E+01	6.1E-08	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV
Lead	3.9E+01	2.6E+01	2.9E-08	NV
Mercury (inorganic)	7.3E-01	1.4E+00	5.4E-10	NV
Nitrate	NS	2.9E+01	NA	NV
Phosphate	NS	6.4E+01	NA	NV
Thallium	ND	5.7E-01	NA	NV
Zinc	1.2E+02	9.5E+01	8.7E-08	NV
Volatile Organic Compounds				
Bromomethane	ND	1.8E-02	NA	6.7E-06
Chloro methane	ND	7.9E-03	NA	3.6E-06
Chloroform	ND	7.5E-03	NA	1.5E-06
Isophorone	2.8E+00	1.7E+01	2.1E-09	NV
Methyl acetate	ND	1.7E-02	NA	1.1E-06
Semi-Volatile Organic Compounds				
4-Methylphenol	4.3E-01	2.5E-01	3.2E-10	NV
bis (2-ethylhexyl) phthalate	6.4E-01	5.1E-01	4.7E-10	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV

Table OCSxBCW-4.2g

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	4.6E-03	5.2E-03	3.4E-12	4.7E-08
2-Methyl naphthalene	6.0E-03	5.3E-03	4.4E-12	4.7E-08
Acenaphthene	2.8E-03	3.3E-03	2.1E-12	1.2E-08
Acenaphthylene	3.0E-03	2.6E-03	2.2E-12	NV
Anthracene	4.6E-03	4.1E-03	3.4E-12	4.1E-09
Benzo (ghi) perylene	8.1E-02	4.8E-02	6.0E-11	NV
Fluoranthene	3.5E-01	1.7E-01	2.6E-10	NV
Fluorene	2.8E-03	2.9E-03	2.0E-12	5.3E-09
Naphthalene	2.8E-03	2.3E-03	2.0E-12	2.5E-08
Phenanthrene	1.1E-01	5.7E-02	8.3E-11	NV
Pyrene	3.0E-01	1.5E-01	2.2E-10	3.2E-08
Pesticides				
4,4-DDE	6.1E-03	1.3E-03	4.5E-12	4.1E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV
Polychlorinated Biphenyls				
Total PCBs	6.7E-01	6.2E-01	4.9E-10	6.3E-07
Total Petroleum Hydrocarbons				
TPH as diesel	1.9E+02	6.5E+01	1.4E-07	1.7E-02
TPH as motor oil	4.5E+02	1.9E+02	3.3E-07	NV

Table OCSxBCW-4.2g

Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans				
TEQ Human	9.0E-05	9.4E-05	6.6E-14	2.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for tribal users as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.2h
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics				
Antimony	2.6E-01	3.3E-01	1.9E-10	NV
Chromium, Hexavalent	3.3E+01	1.2E+01	2.4E-08	NV
Chromium, total	1.6E+02	1.5E+02	1.2E-07	NV
Copper	8.2E+01	5.0E+01	6.0E-08	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV
Lead	5.3E+01	2.6E+01	3.9E-08	NV
Mercury (inorganic)	1.3E+00	1.4E+00	9.9E-10	NV
Nitrate	1.7E+01	2.9E+01	1.3E-08	NV
Phosphate	6.4E+01	6.4E+01	4.7E-08	NV
Thallium	6.4E-01	5.7E-01	4.7E-10	NV
Zinc	1.3E+02	9.5E+01	9.2E-08	NV
Volatile Organic Compounds				
Bromomethane	2.6E-02	1.8E-02	1.9E-11	6.7E-06
Chloro methane	1.1E-02	7.9E-03	8.1E-12	3.6E-06
Chloroform	1.1E-02	7.5E-03	8.1E-12	1.5E-06
Isophorone	2.9E+01	1.7E+01	2.1E-08	NV
Methyl acetate	1.7E-02	1.7E-02	1.3E-11	1.1E-06
Semi-Volatile Organic Compounds				
4-Methylphenol	3.5E-01	2.5E-01	2.5E-10	NV
bis (2-ethylhexyl) phthalate	4.8E-01	5.1E-01	3.5E-10	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV

Table OCSxBCW-4.2h
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	4.9E-03	5.2E-03	3.6E-12	4.7E-08
2-Methyl naphthalene	6.3E-03	5.3E-03	4.7E-12	4.7E-08
Acenaphthene	2.7E-03	3.3E-03	2.0E-12	1.2E-08
Acenaphthylene	2.8E-03	2.6E-03	2.1E-12	NV
Anthracene	4.5E-03	4.1E-03	3.3E-12	4.1E-09
Benzo (ghi) perylene	6.7E-02	4.8E-02	4.9E-11	NV
Fluoranthene	2.7E-01	1.7E-01	2.0E-10	NV
Fluorene	2.7E-03	2.9E-03	2.0E-12	5.3E-09
Naphthalene	2.7E-03	2.3E-03	2.0E-12	2.5E-08
Phenanthrene	8.8E-02	5.7E-02	6.4E-11	NV
Pyrene	2.4E-01	1.5E-01	1.8E-10	3.2E-08
Pesticides				
4,4-DDE	1.4E-03	1.3E-03	9.9E-13	4.1E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV
Polychlorinated Biphenyls				
Total PCBs	6.6E-01	6.2E-01	4.9E-10	6.3E-07
Total Petroleum Hydrocarbons				
TPH as diesel	1.3E+02	6.5E+01	9.8E-08	1.7E-02
TPH as motor oil	3.3E+02	1.9E+02	2.5E-07	NV

Table OCSxBCW-4.2h
Baseline Scenario Depth-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Tribal Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
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Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Tribal User	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans				
TEQ Human	9.9E-05	9.4E-05	7.3E-14	2.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for tribal users as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.3a

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.2E+00	1.2E+00	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	2.8E+01	8.1E+00	2.8E-05	NV	2.8E-05	NV
Chromium, total	6.6E+01	8.7E+01	6.6E-05	NV	6.6E-05	NV
Copper	4.2E+01	2.9E+01	4.2E-05	NV	4.2E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	2.3E+01	1.9E+01	2.3E-05	NV	2.3E-05	NV
Mercury (inorganic)	4.5E-01	1.5E+00	4.5E-07	NV	4.5E-07	NV
Nitrate	NS	2.9E+01	NA	NV	NA	NV
Phosphate	NS	6.4E+01	NA	NV	NA	NV
Thallium	ND	1.4E+00	NA	NV	NA	NV
Zinc	7.1E+01	6.8E+01	7.1E-05	NV	7.1E-05	NV
Volatile Organic Compounds						
Bromomethane	ND	1.8E-02	NA	5.2E-05	NA	9.5E-06
Chloro methane	ND	7.9E-03	NA	2.8E-05	NA	5.1E-06
Chloroform	ND	7.5E-03	NA	1.2E-05	NA	2.1E-06
Isophorone	2.8E+00	1.7E+01	2.8E-06	NV	2.8E-06	NV
Methyl acetate	ND	1.7E-02	NA	8.5E-06	NA	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	4.3E-01	2.5E-01	4.3E-07	NV	4.3E-07	NV
bis (2-ethylhexyl) phthalate	6.4E-01	5.1E-01	6.4E-07	NV	6.4E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCSxBCW-4.3a

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.5E-03	3.7E-03	4.5E-09	2.6E-07	4.5E-09	4.7E-08
2-Methyl naphthalene	1.1E-02	8.8E-03	1.1E-08	6.0E-07	1.1E-08	1.1E-07
Acenaphthene	9.2E-03	7.9E-03	9.2E-09	2.2E-07	9.2E-09	4.1E-08
Acenaphthylene	8.9E-03	7.9E-03	8.9E-09	NV	8.9E-09	NV
Anthracene	1.5E-02	9.3E-03	1.5E-08	7.4E-08	1.5E-08	1.3E-08
Benzo (ghi) perylene	4.6E-02	2.6E-02	4.6E-08	NV	4.6E-08	NV
Fluoranthene	1.9E-01	7.4E-02	1.9E-07	NV	1.9E-07	NV
Fluorene	8.9E-03	8.2E-03	8.9E-09	1.1E-07	8.9E-09	2.1E-08
Naphthalene	5.3E-03	4.6E-03	5.3E-09	4.0E-07	5.3E-09	7.3E-08
Phenanthrene	6.4E-02	3.0E-02	6.4E-08	NV	6.4E-08	NV
Pyrene	1.6E-01	6.5E-02	1.6E-07	1.1E-07	1.6E-07	1.9E-08
Pesticides						
4,4-DDE	6.1E-03	1.3E-03	6.1E-09	3.1E-09	6.1E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	1.6E-01	1.4E-01	1.6E-07	1.1E-06	1.6E-07	2.0E-07
Total Petroleum Hydrocarbons						
TPH as diesel	7.7E+01	2.4E+01	7.7E-05	5.0E-02	7.7E-05	9.1E-03
TPH as motor oil	1.6E+02	8.5E+01	1.6E-04	NV	1.6E-04	NV

Table OCSxBCW-4.3a

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Surface Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	5.9E-05	6.3E-05	5.9E-11	1.3E-10	5.9E-11	2.4E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.3b

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.4E+00	1.2E+00	1.4E-06	NV	1.4E-06	NV
Chromium, Hexavalent	1.8E+01	8.1E+00	1.8E-05	NV	1.8E-05	NV
Chromium, total	9.2E+01	8.7E+01	9.2E-05	NV	9.2E-05	NV
Copper	4.7E+01	2.9E+01	4.7E-05	NV	4.7E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	4.6E+01	1.9E+01	4.6E-05	NV	4.6E-05	NV
Mercury (inorganic)	1.3E+00	1.5E+00	1.3E-06	NV	1.3E-06	NV
Nitrate	1.7E+01	2.9E+01	1.7E-05	NV	1.7E-05	NV
Phosphate	6.4E+01	6.4E+01	6.4E-05	NV	6.4E-05	NV
Thallium	1.4E+00	1.4E+00	1.4E-06	NV	1.4E-06	NV
Zinc	8.2E+01	6.8E+01	8.2E-05	NV	8.2E-05	NV
Volatile Organic Compounds						
Bromomethane	2.6E-02	1.8E-02	2.6E-08	5.2E-05	2.6E-08	9.5E-06
Chloro methane	1.1E-02	7.9E-03	1.1E-08	2.8E-05	1.1E-08	5.1E-06
Chloroform	1.1E-02	7.5E-03	1.1E-08	1.2E-05	1.1E-08	2.1E-06
Isophorone	2.9E+01	1.7E+01	2.9E-05	NV	2.9E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	3.5E-01	2.5E-01	3.5E-07	NV	3.5E-07	NV
bis (2-ethylhexyl) phthalate	4.8E-01	5.1E-01	4.8E-07	NV	4.8E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCSxBCW-4.3b

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	4.2E-03	3.7E-03	4.2E-09	2.6E-07	4.2E-09	4.7E-08
2-Methyl naphthalene	1.0E-02	8.8E-03	1.0E-08	6.0E-07	1.0E-08	1.1E-07
Acenaphthene	9.4E-03	7.9E-03	9.4E-09	2.2E-07	9.4E-09	4.1E-08
Acenaphthylene	9.2E-03	7.9E-03	9.2E-09	NV	9.2E-09	NV
Anthracene	1.2E-02	9.3E-03	1.2E-08	7.4E-08	1.2E-08	1.3E-08
Benzo (ghi) perylene	3.8E-02	2.6E-02	3.8E-08	NV	3.8E-08	NV
Fluoranthene	1.4E-01	7.4E-02	1.4E-07	NV	1.4E-07	NV
Fluorene	9.3E-03	8.2E-03	9.3E-09	1.1E-07	9.3E-09	2.1E-08
Naphthalene	5.5E-03	4.6E-03	5.5E-09	4.0E-07	5.5E-09	7.3E-08
Phenanthrene	4.7E-02	3.0E-02	4.7E-08	NV	4.7E-08	NV
Pyrene	1.2E-01	6.5E-02	1.2E-07	1.1E-07	1.2E-07	1.9E-08
Pesticides						
4,4-DDE	1.2E-03	1.3E-03	1.2E-09	3.1E-09	1.2E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	1.6E-01	1.4E-01	1.6E-07	1.1E-06	1.6E-07	2.0E-07
Total Petroleum Hydrocarbons						
TPH as diesel	4.8E+01	2.4E+01	4.8E-05	5.0E-02	4.8E-05	9.1E-03
TPH as motor oil	1.2E+02	8.5E+01	1.2E-04	NV	1.2E-04	NV

Table OCSxBCW-4.3b

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	6.3E-05	6.3E-05	6.3E-11	1.3E-10	6.3E-11	2.4E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.3c

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Inorganics						
Antimony	1.2E+00	1.2E+00	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	1.1E+01	8.1E+00	1.1E-05	NV	1.1E-05	NV
Chromium, total	9.0E+01	8.7E+01	9.0E-05	NV	9.0E-05	NV
Copper	3.5E+01	2.9E+01	3.5E-05	NV	3.5E-05	NV
Cyanide	2.2E-01	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	2.7E+01	1.9E+01	2.7E-05	NV	2.7E-05	NV
Mercury (inorganic)	2.2E+00	1.5E+00	2.2E-06	NV	2.2E-06	NV
Nitrate	2.9E+01	2.9E+01	2.9E-05	NV	2.9E-05	NV
Phosphate	6.4E+01	6.4E+01	6.4E-05	NV	6.4E-05	NV
Thallium	1.4E+00	1.4E+00	1.4E-06	NV	1.4E-06	NV
Zinc	7.2E+01	6.8E+01	7.2E-05	NV	7.2E-05	NV
Volatile Organic Compounds						
Bromomethane	2.4E-02	1.8E-02	2.4E-08	5.2E-05	2.4E-08	9.5E-06
Chloro methane	1.0E-02	7.9E-03	1.0E-08	2.8E-05	1.0E-08	5.1E-06
Chloroform	9.9E-03	7.5E-03	9.9E-09	1.2E-05	9.9E-09	2.1E-06
Isophorone	2.8E+01	1.7E+01	2.8E-05	NV	2.8E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds						
4-Methylphenol	3.1E-01	2.5E-01	3.1E-07	NV	3.1E-07	NV
bis (2-ethylhexyl) phthalate	7.3E-01	5.1E-01	7.3E-07	NV	7.3E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV

Table OCSxBCW-4.3c

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	3.8E-03	3.7E-03	3.8E-09	2.6E-07	3.8E-09	4.7E-08
2-Methyl naphthalene	9.1E-03	8.8E-03	9.1E-09	6.0E-07	9.1E-09	1.1E-07
Acenaphthene	8.1E-03	7.9E-03	8.1E-09	2.2E-07	8.1E-09	4.1E-08
Acenaphthylene	8.2E-03	7.9E-03	8.2E-09	NV	8.2E-09	NV
Anthracene	9.7E-03	9.3E-03	9.7E-09	7.4E-08	9.7E-09	1.3E-08
Benzo (ghi) perylene	2.9E-02	2.6E-02	2.9E-08	NV	2.9E-08	NV
Fluoranthene	9.5E-02	7.4E-02	9.5E-08	NV	9.5E-08	NV
Fluorene	8.0E-03	8.2E-03	8.0E-09	1.1E-07	8.0E-09	2.1E-08
Naphthalene	4.9E-03	4.6E-03	4.9E-09	4.0E-07	4.9E-09	7.3E-08
Phenanthrene	3.3E-02	3.0E-02	3.3E-08	NV	3.3E-08	NV
Pyrene	8.2E-02	6.5E-02	8.2E-08	1.1E-07	8.2E-08	1.9E-08
Pesticides						
4,4-DDE	1.3E-03	1.3E-03	1.3E-09	3.1E-09	1.3E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls						
Total PCBs	1.5E-01	1.4E-01	1.5E-07	1.1E-06	1.5E-07	2.0E-07
Total Petroleum Hydrocarbons						
TPH as diesel	3.1E+01	2.4E+01	3.1E-05	5.0E-02	3.1E-05	9.1E-03
TPH as motor oil	1.1E+02	8.5E+01	1.1E-04	NV	1.1E-04	NV

Table OCSxBCW-4.3c

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface I Soil (0 to 6 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface I Soil: 0 to 6 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]
Dioxins/Furans						
TEQ Human	6.8E-05	6.3E-05	6.8E-11	1.3E-10	6.8E-11	2.4E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface I soil (0 to 6 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.3d

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Inorganics					
Antimony	1.2E+00	1.2E-06	NV	1.2E-06	NV
Chromium, Hexavalent	8.1E+00	8.1E-06	NV	8.1E-06	NV
Chromium, total	8.7E+01	8.7E-05	NV	8.7E-05	NV
Copper	2.9E+01	2.9E-05	NV	2.9E-05	NV
Cyanide	2.2E-01	2.2E-07	NV	2.2E-07	NV
Lead	1.9E+01	1.9E-05	NV	1.9E-05	NV
Mercury (inorganic)	1.5E+00	1.5E-06	NV	1.5E-06	NV
Nitrate	2.9E+01	2.9E-05	NV	2.9E-05	NV
Phosphate	6.4E+01	6.4E-05	NV	6.4E-05	NV
Thallium	1.4E+00	1.4E-06	NV	1.4E-06	NV
Zinc	6.8E+01	6.8E-05	NV	6.8E-05	NV
Volatile Organic Compounds					
Bromomethane	1.8E-02	1.8E-08	5.2E-05	1.8E-08	9.5E-06
Chloro methane	7.9E-03	7.9E-09	2.8E-05	7.9E-09	5.1E-06
Chloroform	7.5E-03	7.5E-09	1.2E-05	7.5E-09	2.1E-06
Isophorone	1.7E+01	1.7E-05	NV	1.7E-05	NV
Methyl acetate	1.7E-02	1.7E-08	8.5E-06	1.7E-08	1.5E-06
Semi-Volatile Organic Compounds					
4-Methylphenol	2.5E-01	2.5E-07	NV	2.5E-07	NV
bis (2-ethylhexyl) phthalate	5.1E-01	5.1E-07	NV	5.1E-07	NV
Butylbenzylphthalate	1.3E+01	1.3E-05	NV	1.3E-05	NV

Table OCSxBCW-4.3d

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Polycyclic Aromatic Hydrocarbons					
1-Methyl naphthalene	3.7E-03	3.7E-09	2.6E-07	3.7E-09	4.7E-08
2-Methyl naphthalene	8.8E-03	8.8E-09	6.0E-07	8.8E-09	1.1E-07
Acenaphthene	7.9E-03	7.9E-09	2.2E-07	7.9E-09	4.1E-08
Acenaphthylene	7.9E-03	7.9E-09	NV	7.9E-09	NV
Anthracene	9.3E-03	9.3E-09	7.4E-08	9.3E-09	1.3E-08
Benzo (ghi) perylene	2.6E-02	2.6E-08	NV	2.6E-08	NV
Fluoranthene	7.4E-02	7.4E-08	NV	7.4E-08	NV
Fluorene	8.2E-03	8.2E-09	1.1E-07	8.2E-09	2.1E-08
Naphthalene	4.6E-03	4.6E-09	4.0E-07	4.6E-09	7.3E-08
Phenanthrene	3.0E-02	3.0E-08	NV	3.0E-08	NV
Pyrene	6.5E-02	6.5E-08	1.1E-07	6.5E-08	1.9E-08
Pesticides					
4,4-DDE	1.3E-03	1.3E-09	3.1E-09	1.3E-09	5.6E-10
4,4-DDT	3.0E-03	3.0E-09	NV	3.0E-09	NV
alpha-Chlordane	1.2E-02	1.2E-08	NV	1.2E-08	NV
Dieldrin	6.7E-03	6.7E-09	NV	6.7E-09	NV
gamma-Chlordane	1.3E-02	1.3E-08	NV	1.3E-08	NV
Polychlorinated Biphenyls					
Total PCBs	1.4E-01	1.4E-07	1.1E-06	1.4E-07	2.0E-07
Total Petroleum Hydrocarbons					
TPH as diesel	2.4E+01	2.4E-05	5.0E-02	2.4E-05	9.1E-03
TPH as motor oil	8.5E+01	8.5E-05	NV	8.5E-05	NV

Table OCSxBCW-4.3d

Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Short- and Long-Term Maintenance Workers: COPCs in OCS Excluding BCW Subsurface II Soil (0 to 10 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Short Term Maintenance Worker		Long Term Maintenance Worker	
		Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/m^3) [b]	(mg/m^3) [c]	(mg/m^3) [b]	(mg/m^3) [c]
Dioxins/Furans					
TEQ Human	6.3E-05	6.3E-11	1.3E-10	6.3E-11	2.4E-11

Notes:

[a] Exposure point concentrations (EPCs) for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of particulates in outdoor air. Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.0×10^6 m^3/kg was used for maintenance workers (short-term and long-term) as recommended by Department of Toxic Substances Control (2014).

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatile compounds in outdoor air. Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. September 30.

Table OCSxBCW-4.3e
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics								
Antimony	1.2E+00	1.2E+00	9.0E-10	NV	9.0E-10	NV	1.4E-06	NV
Chromium, Hexavalent	2.8E+01	8.1E+00	2.1E-08	NV	2.1E-08	NV	3.3E-05	NV
Chromium, total	6.6E+01	8.7E+01	4.9E-08	NV	4.9E-08	NV	7.8E-05	NV
Copper	4.2E+01	2.9E+01	3.1E-08	NV	3.1E-08	NV	4.9E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	2.3E+01	1.9E+01	1.7E-08	NV	1.7E-08	NV	2.7E-05	NV
Mercury (inorganic)	4.5E-01	1.5E+00	3.3E-10	NV	3.3E-10	NV	5.3E-07	NV
Nitrate	NS	2.9E+01	NA	NV	NA	NV	NA	NV
Phosphate	NS	6.4E+01	NA	NV	NA	NV	NA	NV
Thallium	ND	1.4E+00	NA	NV	NA	NV	NA	NV
Zinc	7.1E+01	6.8E+01	5.2E-08	NV	5.2E-08	NV	8.3E-05	NV
Volatile Organic Compounds								
Bromomethane	ND	1.8E-02	NA	1.0E-05	NA	1.0E-05	NA	1.0E-05
Chloro methane	ND	7.9E-03	NA	5.4E-06	NA	5.4E-06	NA	5.4E-06
Chloroform	ND	7.5E-03	NA	2.3E-06	NA	2.3E-06	NA	2.3E-06
Isophorone	2.8E+00	1.7E+01	2.1E-09	NV	2.1E-09	NV	3.3E-06	NV
Methyl acetate	ND	1.7E-02	NA	1.7E-06	NA	1.7E-06	NA	1.7E-06
Semi-Volatile Organic Compounds								
4-Methylphenol	4.3E-01	2.5E-01	3.2E-10	NV	3.2E-10	NV	5.1E-07	NV
bis (2-ethylhexyl) phthalate	6.4E-01	5.1E-01	4.7E-10	NV	4.7E-10	NV	7.6E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	4.5E-03	3.7E-03	3.3E-12	5.1E-08	3.3E-12	5.1E-08	5.3E-09	5.1E-08
2-Methyl naphthalene	1.1E-02	8.8E-03	7.7E-12	1.2E-07	7.7E-12	1.2E-07	1.2E-08	1.2E-07
Acenaphthene	9.2E-03	7.9E-03	6.8E-12	4.4E-08	6.8E-12	4.4E-08	1.1E-08	4.4E-08
Acenaphthylene	8.9E-03	7.9E-03	6.5E-12	NV	6.5E-12	NV	1.0E-08	NV
Anthracene	1.5E-02	9.3E-03	1.1E-11	1.4E-08	1.1E-11	1.4E-08	1.7E-08	1.4E-08
Benzo (ghi) perylene	4.6E-02	2.6E-02	3.4E-11	NV	3.4E-11	NV	5.5E-08	NV
Fluoranthene	1.9E-01	7.4E-02	1.4E-10	NV	1.4E-10	NV	2.2E-07	NV

Table OCSxBCW-4.3e
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 0.5 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Fluorene	8.9E-03	8.2E-03	6.5E-12	2.2E-08	6.5E-12	2.2E-08	1.1E-08	2.2E-08
Naphthalene	5.3E-03	4.6E-03	3.9E-12	7.8E-08	3.9E-12	7.8E-08	6.3E-09	7.8E-08
Phenanthrene	6.4E-02	3.0E-02	4.7E-11	NV	4.7E-11	NV	7.5E-08	NV
Pyrene	1.6E-01	6.5E-02	1.2E-10	2.1E-08	1.2E-10	2.1E-08	1.9E-07	2.1E-08
Pesticides								
4,4-DDE	6.1E-03	1.3E-03	4.5E-12	6.0E-10	4.5E-12	6.0E-10	7.2E-09	6.0E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV
Polychlorinated Biphenyls								
Total PCBs	1.6E-01	1.4E-01	1.2E-10	2.1E-07	1.2E-10	2.1E-07	1.9E-07	2.1E-07
Total Petroleum Hydrocarbons								
TPH as diesel	7.7E+01	2.4E+01	5.7E-08	9.7E-03	5.7E-08	9.7E-03	9.1E-05	9.7E-03
TPH as motor oil	1.6E+02	8.5E+01	1.2E-07	NV	1.2E-07	NV	1.9E-04	NV
Dioxins/Furans								
TEQ Human	5.9E-05	6.3E-05	4.3E-14	2.6E-11	4.3E-14	2.6E-11	7.0E-11	2.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for surface soil (0 to 0.5 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers and hikers) as recommended by Department of Toxic

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009) and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and
United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at:
USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA

Table OCSxBCW-4.3f
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Inorganics								
Antimony	1.4E+00	1.2E+00	1.1E-09	NV	1.1E-09	NV	1.7E-06	NV
Chromium, Hexavalent	1.8E+01	8.1E+00	1.3E-08	NV	1.3E-08	NV	2.1E-05	NV
Chromium, total	9.2E+01	8.7E+01	6.8E-08	NV	6.8E-08	NV	1.1E-04	NV
Copper	4.7E+01	2.9E+01	3.5E-08	NV	3.5E-08	NV	5.6E-05	NV
Cyanide	2.2E-01	2.2E-01	1.6E-10	NV	1.6E-10	NV	2.6E-07	NV
Lead	4.6E+01	1.9E+01	3.3E-08	NV	3.3E-08	NV	5.4E-05	NV
Mercury (inorganic)	1.3E+00	1.5E+00	9.9E-10	NV	9.9E-10	NV	1.6E-06	NV
Nitrate	1.7E+01	2.9E+01	1.3E-08	NV	1.3E-08	NV	2.0E-05	NV
Phosphate	6.4E+01	6.4E+01	4.7E-08	NV	4.7E-08	NV	7.6E-05	NV
Thallium	1.4E+00	1.4E+00	1.0E-09	NV	1.0E-09	NV	1.6E-06	NV
Zinc	8.2E+01	6.8E+01	6.1E-08	NV	6.1E-08	NV	9.7E-05	NV
Volatile Organic Compounds								
Bromomethane	2.6E-02	1.8E-02	1.9E-11	1.0E-05	1.9E-11	1.0E-05	3.1E-08	1.0E-05
Chloro methane	1.1E-02	7.9E-03	8.1E-12	5.4E-06	8.1E-12	5.4E-06	1.3E-08	5.4E-06
Chloroform	1.1E-02	7.5E-03	8.1E-12	2.3E-06	8.1E-12	2.3E-06	1.3E-08	2.3E-06
Isophorone	2.9E+01	1.7E+01	2.1E-08	NV	2.1E-08	NV	3.4E-05	NV
Methyl acetate	1.7E-02	1.7E-02	1.3E-11	1.7E-06	1.3E-11	1.7E-06	2.0E-08	1.7E-06
Semi-Volatile Organic Compounds								
4-Methylphenol	3.5E-01	2.5E-01	2.5E-10	NV	2.5E-10	NV	4.1E-07	NV
bis (2-ethylhexyl) phthalate	4.8E-01	5.1E-01	3.5E-10	NV	3.5E-10	NV	5.7E-07	NV
Butylbenzylphthalate	ND	1.3E+01	NA	NV	NA	NV	NA	NV
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	4.2E-03	3.7E-03	3.1E-12	5.1E-08	3.1E-12	5.1E-08	5.0E-09	5.1E-08
2-Methyl naphthalene	1.0E-02	8.8E-03	7.6E-12	1.2E-07	7.6E-12	1.2E-07	1.2E-08	1.2E-07
Acenaphthene	9.4E-03	7.9E-03	6.9E-12	4.4E-08	6.9E-12	4.4E-08	1.1E-08	4.4E-08
Acenaphthylene	9.2E-03	7.9E-03	6.7E-12	NV	6.7E-12	NV	1.1E-08	NV
Anthracene	1.2E-02	9.3E-03	9.1E-12	1.4E-08	9.1E-12	1.4E-08	1.5E-08	1.4E-08
Benzo (ghi) perylene	3.8E-02	2.6E-02	2.8E-11	NV	2.8E-11	NV	4.5E-08	NV
Fluoranthene	1.4E-01	7.4E-02	1.0E-10	NV	1.0E-10	NV	1.6E-07	NV

Table OCSxBCW-4.3f
Baseline Scenario Area-Weighted Exposure Point Concentrations and Predicted Outdoor Air Concentrations for Recreational Users:
COPCs in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Exposure Point Concentration for Shallow Soil: 0 to 3 feet bgs	Exposure Point Concentration for Subsurface II Soil: 0 to 10 feet bgs	Recreational User - Camper		Recreational User - Hiker		Recreational User - Off-Highway Vehicle Rider	
			Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration	Outdoor Airborne Particulate Concentration	Outdoor Vapor Concentration
	(mg/kg) [a]	(mg/kg) [b]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [c]	(mg/m^3) [d]	(mg/m^3) [e]	(mg/m^3) [d]
Fluorene	9.3E-03	8.2E-03	6.8E-12	2.2E-08	6.8E-12	2.2E-08	1.1E-08	2.2E-08
Naphthalene	5.5E-03	4.6E-03	4.0E-12	7.8E-08	4.0E-12	7.8E-08	6.5E-09	7.8E-08
Phenanthrene	4.7E-02	3.0E-02	3.5E-11	NV	3.5E-11	NV	5.6E-08	NV
Pyrene	1.2E-01	6.5E-02	8.5E-11	2.1E-08	8.5E-11	2.1E-08	1.4E-07	2.1E-08
Pesticides								
4,4-DDE	1.2E-03	1.3E-03	9.0E-13	6.0E-10	9.0E-13	6.0E-10	1.5E-09	6.0E-10
4,4-DDT	3.0E-03	3.0E-03	2.2E-12	NV	2.2E-12	NV	3.5E-09	NV
alpha-Chlordane	1.2E-02	1.2E-02	8.8E-12	NV	8.8E-12	NV	1.4E-08	NV
Dieldrin	6.7E-03	6.7E-03	4.9E-12	NV	4.9E-12	NV	7.9E-09	NV
gamma-Chlordane	1.3E-02	1.3E-02	9.6E-12	NV	9.6E-12	NV	1.5E-08	NV
Polychlorinated Biphenyls								
Total PCBs	1.6E-01	1.4E-01	1.1E-10	2.1E-07	1.1E-10	2.1E-07	1.8E-07	2.1E-07
Total Petroleum Hydrocarbons								
TPH as diesel	4.8E+01	2.4E+01	3.5E-08	9.7E-03	3.5E-08	9.7E-03	5.7E-05	9.7E-03
TPH as motor oil	1.2E+02	8.5E+01	8.5E-08	NV	8.5E-08	NV	1.4E-04	NV
Dioxins/Furans								
TEQ Human	6.3E-05	6.3E-05	4.6E-14	2.6E-11	4.6E-14	2.6E-11	7.4E-11	2.6E-11

Notes:

[a] Exposure point concentrations (EPCs) for shallow soil (0 to 3 feet bgs) are used to evaluate inhalation of particulates in outdoor air.

[b] EPCs for subsurface II soil (0 to 10 feet bgs) are used to evaluate inhalation of volatiles in outdoor air.

[c] Outdoor airborne particulate concentration is calculated by dividing the soil EPCs by the particulate emission factor (PEF). Default PEF of 1.4×10^9 m^3/kg was used for recreational users (campers and hikers) as recommended by Department of Toxic

[d] Chemical-specific volatilization factors (VFs) were estimated as discussed in Section 4.0, Exposure Assessment, of the main report. Outdoor vapor concentration is calculated by dividing the soil EPC by the VF.

[e] PEF of 8.5×10^5 m^3/kg was used for recreational users (off-highway vehicle rider) as calculated in United States Environmental Protection Agency (2008, 2009)and recommended in "Revised Technical Memorandum, Recreational Visitor Exposure Scenario for Federal Land, PG&E Topock Compressor Station Remediation Project, California," prepared by the Department of the Interior (DOI).

Abbreviations:

bgs = below ground surface.
COPC = Constituent of Potential Concern.
mg/kg = milligrams per kilogram.
mg/m^3 = milligrams per cubic meter.
NA = not applicable.
ND = Not detected.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

References:

Department of Toxic Substances Control (DTSC). 2014. DTSC/HERO Human Health Risk Assessment (HHRA) Note Number 1: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and

United States Environmental Protection Agency (USEPA). 2008. Clear Creek Management Areas Asbestos Exposure and Human Health Risk Assessment. Region 9. May. Available at:

USEPA. 2009. Baseline Human Health Risk Assessment for the Standard Mine Site, Gunnison County, CO; Addendum. Prepared by SRC for USEPA Region 8. November 24. Available at: http://www2.epa.gov/sites/production/files/documents/SM_HHRA

Table OCSxBCW-4.4
Human Health Risk and Hazard Estimate Summary at OCS Excluding BCW for the Baseline Scenario Using Depth-Weighted Exposure Point Concentrations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Receptor	Depth Interval	ILCR	HI
Short-Term Maintenance Worker	Surface	4E-06	2E-01
	Shallow	3E-06	2E-01
	Subsurface I	2E-06	2E-01
	Subsurface II	1E-06	1E-01
Long-Term Maintenance Worker	Surface	3E-05	6E-02
	Shallow	2E-05	7E-02
	Subsurface I	1E-05	7E-02
	Subsurface II	9E-06	6E-02
Recreational User - Camper	Surface	4E-06	7E-02
	Shallow	3E-06	9E-02
Recreational User - Hiker	Surface	9E-06	1E-01
	Shallow	6E-06	2E-01
Recreational User - Hunter	Surface	5E-07	1E-02
	Shallow	4E-07	1E-02
Recreational User - OHV Rider	Surface	2E-05	4E-02
	Shallow	1E-05	5E-02
Tribal User	Surface	2E-08	4E-04
	Shallow	1E-08	4E-04

Abbreviations:
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index

Table OCSxBCW-4.5
Human Health Risk and Hazard Estimate Summary at OCS Excluding BCW for the Baseline Scenario Using Area-Weighted Exposure Point Concentrations

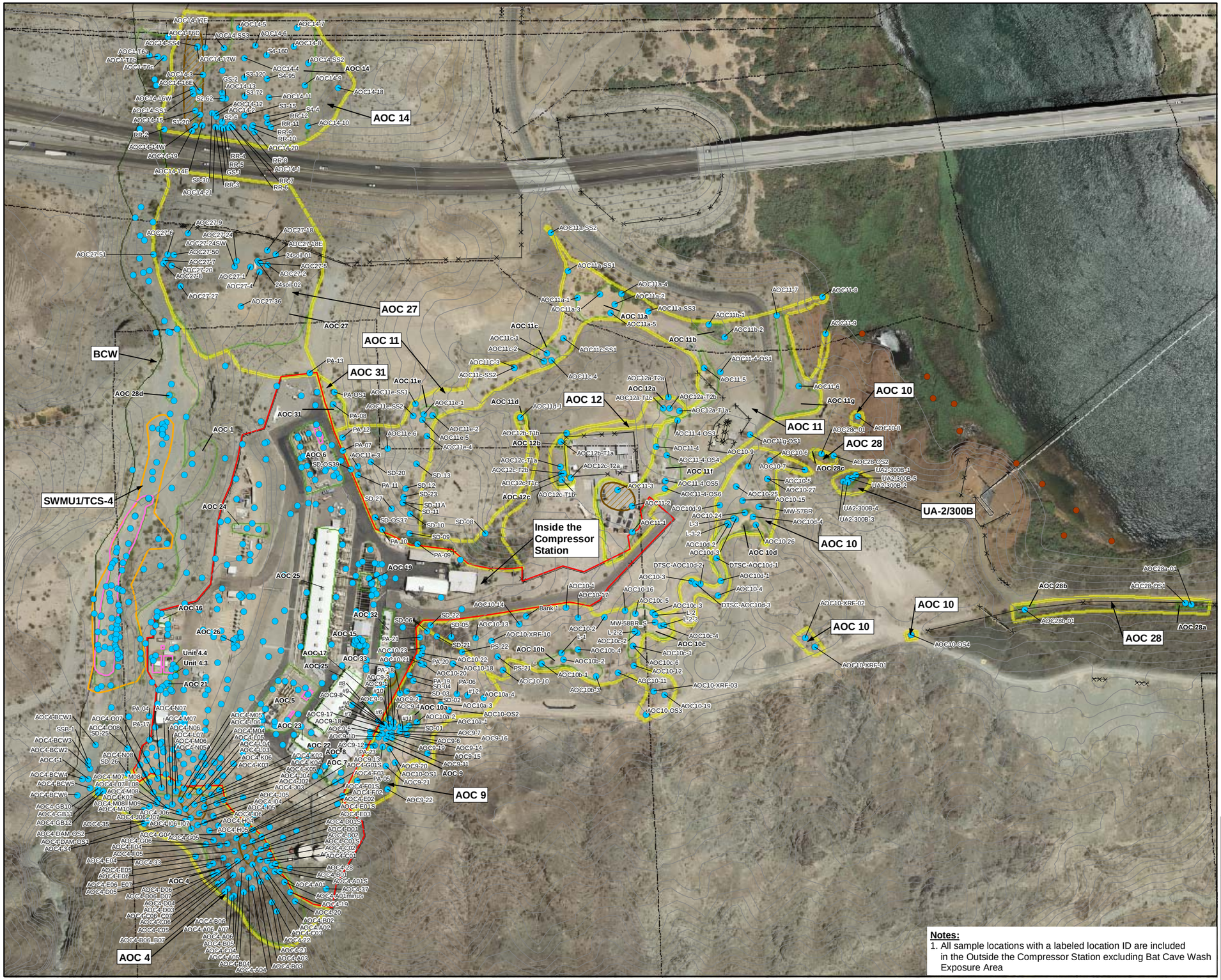
Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

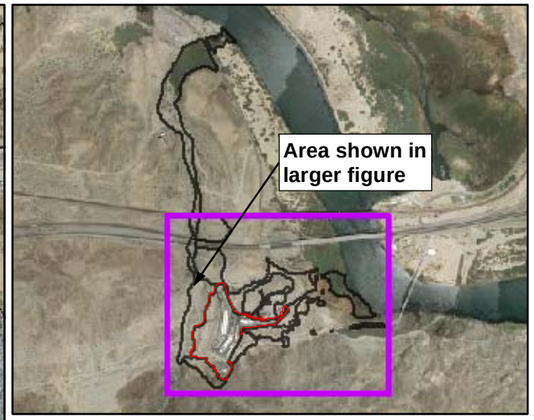
Receptor	Depth Interval	ILCR	HI
Short-Term Maintenance Worker	Surface	2E-06	7E-02
	Shallow	2E-06	1E-01
	Subsurface I	1E-06	1E-01
	Subsurface II	7E-07	1E-01
Long-Term Maintenance Worker	Surface	2E-05	3E-02
	Shallow	1E-05	5E-02
	Subsurface I	8E-06	5E-02
	Subsurface II	6E-06	5E-02
Recreational User - Camper	Surface	2E-06	4E-02
	Shallow	2E-06	8E-02
Recreational User - Hiker	Surface	5E-06	8E-02
	Shallow	3E-06	2E-01
Recreational User - OHV Rider	Surface	1E-05	2E-02
	Shallow	6E-06	3E-02

Abbreviations:
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index

FIGURE

PATH: Z:\GISProjects_ENV\PGE_Topock\GIS\ArcMap_MXD\SHHERA_rev\SoilSamplingLocs_OuthsideCS_OCSxBCW-1_1.mxd 8/30/2018 8:35:16 PM





Legend:

- Soil Sampling Location
- Sediment Sampling Location
- Area of Concern
- Solid Waste Management Unit
- Potential Burning Related Location
- Outside Compressor Station excluding BCW Exposure Area
- SWMU1/TCS-4 Exposure Area
- Exposure Area
- Property Boundaries
- Contour Line (10 feet interval)
- Fencing
- Inside the Topock Compressor Station boundary, as defined by current fenceline
- AOC 28 — Label for Exposure Area
- AOC 28a — Label for Area of Concern

0 240 480

SCALE IN FEET

Notes:

1. All sample locations with a labeled location ID are included in the Outside the Compressor Station excluding Bat Cave Wash Exposure Area

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA
SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

SOIL SAMPLING LOCATIONS FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BAT CAVE WASH

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSxBCW-1.1

ATTACHMENT A

Dataset and Exposure Point Concentration Calculations for the OCS Excluding BCW HHRA

Attachment OCSxBCW-A
Dataset and Exposure Point Concentration Calculations for the OCS Excluding BCW HHERA

Attachment OCSxBCW-A1

Table OCSxBCW-A1	Dataset for OCS Excluding BCW HHERA

Attachment OCSxBCW-A2 (provided separately as excel files)

Table OCSxBCW-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Excluding BCW_Baseline_0-005
Table OCSxBCW-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Excluding BCW_Baseline_0-03
Table OCSxBCW-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Excluding BCW_Baseline_0-06
Table OCSxBCW-A2	Depth-Weighting Files: Input Samples for Outside Compressor Station Excluding BCW_Baseline_0-10
Table OCSxBCW-A2	ProUCL Input Files: Outside Compressor Station Excluding BCW_Baseline_0-005_ForProUCL
Table OCSxBCW-A2	ProUCL Input Files: Outside Compressor Station Excluding BCW_Baseline_0-03_ForProUCL
Table OCSxBCW-A2	ProUCL Input Files: Outside Compressor Station Excluding BCW_Baseline_0-06_ForProUCL
Table OCSxBCW-A2	ProUCL Input Files: Outside Compressor Station Excluding BCW_Baseline_0-10_ForProUCL
Table OCSxBCW-A2	ProUCL Output Files: Outside Compressor Station Excluding BCW_Baseline_0-005_UCLs
Table OCSxBCW-A2	ProUCL Output Files: Outside Compressor Station Excluding BCW_Baseline_0-03_UCLs
Table OCSxBCW-A2	ProUCL Output Files: Outside Compressor Station Excluding BCW_Baseline_0-06_UCLs
Table OCSxBCW-A2	ProUCL Output Files: Outside Compressor Station Excluding BCW_Baseline_0-10_UCLs

Attachment OCSxBCW-A3 (Tables provided separately as excel files)

OCSxBCW-A3 Tables	OCSxBCW_Input Samples Area-Weighted
	OCSxBCW_Output Area-Weighted UCL-BCA
OCSxBCW-A3 Figures	Figures List Provided at Start of: OCSxBCW Figures_ThiessenAreaWeighting

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.9 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.7 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.9 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.23 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6300
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	8.9	--	9.62	9.75	9.66	9.6	8.95	9.67	8.8	9.1	8.44	8.19	8.06	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	0.4 U	0.4 U	2 U	2 U	2 U	2 U	2.1 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	3.1	2.9	3.7	4.2	4.9	4.7	3.1
Barium	mg/kg	--	--	--	--	--	--	--	--	--	130	89	93	81	82	110	100
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	0.71	0.3	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	114	--	0.8	4.2	2.7	2.6	1.3	2.8	2.7	0.4 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	0.45
Chromium, total	mg/kg	398	--	38.3	53.2	29	33	32.1	28.8	92.7	15	15	6.6	7.4	7.5	6.8	36
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	3.5	3.4	2.7	3	3.2	3	6.2
Copper	mg/kg	17.9	--	35.6	12.4	13.8	12.4	15.3	12.9	50.4	7.2	9.1	4.9	5.6	5.8	5.7	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	6.4	8.7	9.2	5.8	5.4	4.8	4.7
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	0.63	0.7	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	14.8	--	21.1	13.5	16.3	13.2	16.3	16.4	10.1	6.8	7.2	5.5	6.3	6.4	6.2	16
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	6.2	1.4	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	0.25 U	0.25 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2 U	2 U	2 U	2 U	2.1 U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	17	18	13	16	17	15	23
Zinc	mg/kg	744	80.3	--	343	64	92.7	68	61.1	215	16	17	20	21	20	21	63
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34 UJ
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	5 U	5.1 U	5.1 U	5.2 R
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	380	380	5.8	5.8 U	5.9 U	5.9 U	6.4 JH
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	6.5 J
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.8 J
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	370	7	5 U	5.1 U	5.1 U	5.2 J
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	4.7 U	4 U	4.5 U	5.2 R
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	370	13.6	0	0	0	22.7
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	450	0	0	0	0	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	450	330 U	5 U	5 U	5.1 U	5.1 U	5.2 R
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	6.6	5 U	5.1 U	5.1 U	5.2 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 UJ	670 UJ	670 UJ	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--

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PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	13	160	10 UJ	10 U	10 UJ	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.94 U	1 U	0.96 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 U	10 UJ	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	93 U	80 U	91 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1	AOC10-10
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004	AOC10-10-5200
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	1/22/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	6.9 U	8.4 U	--	--	550 J	590	3500	170	--	770	540	320	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	2 U	1.8 U	--	--	47	46	760	3.8 U	--	1.9 U	57	18 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.52 U	0.14 U	--	--	--	2.1 U	15	4.5 J	1.5 U	4.7 U	2 U	3.8 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.23 U	0.14 U	--	--	--	1.2 U	6.8 U	0.24 U	0.63 U	3.4 U	5.6 J	5.8 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	1.8 U	4.9 J	--	--	6.1 J	5 J	110 U	0.54 U	--	6.2 U	3.8 J	21 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.4 U	0.12 U	--	--	--	13	150	0.38 U	8.6 J	48	19	21	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.23 U	0.13 U	--	--	0.93 U	11 U	6.3 U	2.2 U	--	32	3.7 J	18	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.25 U	0.27 U	--	--	0.74 J	0.68 U	3.7 J	0.25 U	--	3.3 U	1.4 U	4.3 U	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.11 U	0.14 U	--	--	0.33 U	1 U	0.55 U	0.15 U	--	2.1 U	1.4 U	2.1 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.57 U	1.2 J	--	--	5.5 J	5.4 U	32	0.99 U	--	25	1.7 U	18	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	1.3 J	1.4 J	--	--	--	0.42 U	7.9 U	0.28 U	0.74 U	3.9 U	1.6 U	2.4 U	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.87 U	0.2 U	--	--	--	140 U	2400 U	23 U	140 U	380 U	130 U	100 U	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.11 U	0.071 U	--	--	--	1.1 U	2.8 U	0.16 U	0.57 U	2.1 U	3 J	3 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.16 U	0.043 U	--	--	--	0.077 U	0.28 U	0.093 U	0.077 U	0.34 U	0.32 U	0.35 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.081 U	0.13 U	--	--	--	0.22 U	0.33 U	0.066 U	0.088 U	0.88 U	0.51 U	1 U	--	--	--	--
OCDD	ng/kg	31	50	--	--	3500 J	4800	33000	1100	--	4800	6100	1400	--	--	--	--
OCDF	ng/kg	6.7 U	5.1 U	--	--	--	190	2700	15 J	65 J	310	110	55	--	--	--	--
TEQ Avian	ng/kg	0.57	0.62	--	--	12	11	150	2.2	--	30	14	16	--	--	--	--
TEQ Human	ng/kg	0.56	0.59	--	--	18	18	200	4.1	--	42	19	19	--	--	--	--
TEQ Mammals	ng/kg	0.56	0.59	--	--	18	18	200	4.1	--	42	19	19	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	9.4	9.4	9.9	9.1	--	--	--	--	8.8	--	8.3
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.2 U	--	2.1 U	2.1 UJ	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U
Arsenic	mg/kg	2.6	3.2	3.4	--	--	2.7	2.4	2.4	3.4	4.3	8.9	3	4.4	--	4.5	6.3
Barium	mg/kg	100	120	--	85	--	110	110	190	86	89	63	200	120	130	--	380
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	--	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.35	--	0.39	0.87	0.9	1.6	0.72	--	13	0.3	5	0.66	0.21 U	--	0.21 U
Chromium, total	mg/kg	27	34	32	--	31	45	73	42	--	460	25	130	37	--	16	11
Cobalt	mg/kg	9	11	9.5	--	--	7.3	9.4	10	8.6 J	9.8	4.6	8.4	9.6	--	5.7	4.1
Copper	mg/kg	13	13	11	--	9.1	13	31	19	--	19	9	11	16	--	14	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	2.1	2.6	--	2.7	2.6	2.5	2.4	--	12	3.6	6	2.5	9.8	--	5.9
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	--	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.4	1 U	1 U	1.4	--	1.3
Nickel	mg/kg	22	28	23	--	--	19	24	22	18 J	21	11	18	22	--	14	9.1
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 UJ	1 U	1 U	--	1 U	1.1 U	1 U	1 U	--	1.1	9.1
Silver	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	--	1 U
Thallium	mg/kg	2.2 U	2.1 U	2.2 U	--	2.1 U	2.1 UJ	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U
Vanadium	mg/kg	38	43	42	--	--	30	35	36	31 J	36	38	31	34	--	23	21
Zinc	mg/kg	41	44	43	--	--	44	74	160	45	56	34	70	47	--	41	29
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1221	ug/kg	36 UJ	35 UJ	--	--	34 U	34 U	34 U	34 U	--	34 UJ	35 UJ	34 UJ	--	--	--	--
Aroclor 1232	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1242	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1248	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1254	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1260	ug/kg	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	27 U	27 U	--	--	25.5 U	25.5 U	25.5 U	25.5 U	--	25.5 U	25.5 U	25.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
2-Methyl naphthalene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Acenaphthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Acenaphthylene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Anthracene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
B(a)P Equivalent	ug/kg	6.4 R	6.1 R	--	--	--	6 U	6 U	57 U	6 U	58 U	6.1 U	57 U	6.4 U	14	--	6 U
Benzo (a) anthracene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--	5.4	5.2 U
Benzo (a) pyrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	8.9	--	5.2 U
Benzo (b) fluoranthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	17	--	5.2 U
Benzo (ghi) perylene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	6.4	--	5.2 U
Benzo (k) fluoranthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	7.8	--	5.2 U
Chrysene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	12	--	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 UJ	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	5.3 U	--	5.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--	22	5.2 U
Fluorene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	6.4	--	5.2 U
Naphthalene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U	--	5.2 U
PAH High molecular weight	ug/kg	0 R	0 R	--	--	0	0	0	0	--	0	0	0	0	--	104	0
PAH Low molecular weight	ug/kg	0 R	0 R	--	--	0	0	0	0	--	0	0	0	0	--	6.1	0
Phenanthrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--	6.1	5.2 U
Pyrene	ug/kg	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	20	--	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13	AOC10-13	AOC10-14
	SAMPLE	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214	AOC10-13-5215	AOC10-14-5216
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015	12/3/2015	12/3/2015
SAMPLE TOP DEPTH (FT)		2	5	9	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	1	3	6	10	1	0.5	3	6	10	1	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	0.5
SAMPLE TYPE					Field Duplicate					Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	9000	3100	2300	34	--	23	40	22	6.9 J	--	24	4.8 U	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	230	180	3.1 U	650	1.8 U	4.2 U	6.6 U	2 U	--	2.5 U	1.2 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	33	14	9.3 J	1.1 U	--	1.6 J	0.69 U	1.6 J	0.74 U	--	1 U	0.98 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	26	9.4 U	1.4 J	62	1.3 U	1 J	1.3 J	1.2 J	--	0.8 U	0.23 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	18 U	21	1.5 U	72	1.7 U	1.5 J	1 U	1 U	--	0.92 U	0.8 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	210	85	55	1.9 U	--	2.3 J	2.3 U	2.2 J	1.4 U	--	1.5 J	0.97 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	8.1 U	5 U	1.3 J	17	0.66 U	1.1 U	2.1 J	1 U	--	0.81 U	0.61 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	8.4 J	4 U	1.1 U	11 U	0.85 U	1.4 J	1.2 U	0.38 U	--	0.2 U	0.8 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	11 U	3.3 U	4.4 U	1.4 U	--	1.4 U	1.1 U	1.2 J	0.41 U	--	0.82 J	0.84 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	59	27	19	1.7 U	--	0.76 U	2.7 J	0.95 U	0.62 U	--	1.6 J	0.75 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	10 U	6.3 U	1.1 U	2.8 U	0.83 U	0.63 U	0.42 U	0.79 U	--	0.57 U	0.79 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	820 U	570 U	11 U	2000 U	1 U	7.2 U	12 U	0.88 U	--	0.56 J	0.7 J	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	16 U	7.8 U	4.7 U	0.47 U	--	0.48 U	1.1 U	0.7 U	1 U	--	0.77 J	0.86 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	4.1 J	2.4 U	2.3 U	1.3 U	--	0.36 U	1.5 U	0.17 U	1.5 U	--	0.6 J	0.26 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	4.5 U	3.1 J	1.2 U	8.2	0.86 U	1.6 J	1.1 U	1.1 U	--	0.46 J	0.45 J	--	--	--	--
OCDD	ng/kg	110000	38000	31000	340	--	110	240	89	25 U	--	190	30	--	--	--	--
OCDF	ng/kg	2600	920	700	10 J	--	1.9 U	5 U	4.9 U	2.6 J	--	4.3 J	2 J	--	--	--	--
TEQ Avian	ng/kg	180	74	49	3.2	--	1.7	5.3	2.9	2.3	--	2.4	2.6	--	--	--	--
TEQ Human	ng/kg	290	110	77	2.9	--	1.6	4	2.6	1.6	--	1.8	1.7	--	--	--	--
TEQ Mammals	ng/kg	290	110	77	2.9	--	1.6	4	2.6	1.6	--	1.8	1.7	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.9	8.3	8.5	9.2	--	9.2	9.6	9.9	9.8	8.3	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 UJ	2.1 U	2.1 U	--
Arsenic	mg/kg	5.8	4.7	4.4	4.8	--	3	2.8	3.1	2.9	3.8	2.3	2.2	4.2	5	5.8	--
Barium	mg/kg	150	210	320	78	--	69	44	170	59	110	100	160	120	120	130	--
Beryllium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.6	1.4	1.1	0.21 U	--	0.59	0.24	0.48	0.2 U	0.21 U	0.2 U	0.2 U	0.2 U	0.3	0.21 U	--
Chromium, total	mg/kg	--	41	33	17	70	21	21	21	14	9.7	5.6	5.7	27	34 J	27	--
Cobalt	mg/kg	6.1	7.2	6.3	8.1	--	7.3	7	7.2	6.6	4.6	2.3	2.5	8.4	--	9.4	9.1
Copper	mg/kg	--	22	14	11	27	8.9	9.7	12	9.4	11	2.8	4.1	14	18	17	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	21	17 J	7.6	1.5	--	5.9	2.5	3.2	2.4	9.9	1.9	1.9	6.7 J	5.8	3.8	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--
Molybdenum	mg/kg	14	8.2	4.2	1 U	--	1 U	1 U	1 U	1 U	7.8	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	11	14	15	15	--	16	14	13	11	10	3.6	4.2	20	22	19	--
Selenium	mg/kg	1 U	1 UJ	1 U	1 U	--	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 UJ	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	2 U	2 UJ	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	--
Vanadium	mg/kg	24	26	26	30	--	26	27	30	28	16	14	15	34	40	37	--
Zinc	mg/kg	98	70 J	100	44	--	40	44	40	38	32	13	13	48	55	47	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1221	ug/kg	33 U	34 U	34 U	34 U	--	33 U	34 U	34 U	34 U	--	33 U	33 U	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	17 U	320	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	990 J	470	220	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	1010	799	237	25.5 U	--	25.5 U	25.5 U	25.5 U	25.5 U	--	25.5 U	25.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	81 J	5.8	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
2-Methyl naphthalene	ug/kg	--	6.8	5.1 U	5.2 U	91	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Anthracene	ug/kg	--	5.4	5.1 U	5.2 U	6.4	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
B(a)P Equivalent	ug/kg	110	67	59	6 U	--	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.8 U	6 U	6 U	--
Benzo (a) anthracene	ug/kg	--	49	23	5.2 U	67	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (a) pyrene	ug/kg	--	51 U	51 U	5.2 U	69	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (b) fluoranthene	ug/kg	--	85	51 U	5.2 U	170	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (ghi) perylene	ug/kg	--	51 U	51 U	5.2 U	18	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Benzo (k) fluoranthene	ug/kg	--	51 U	51 U	5.2 U	50	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Chrysene	ug/kg	--	75	33	5.2 U	85	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Dibenzo (a,h) anthracene	ug/kg	--	51 U	51 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	180	86	5.2 U	210	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	51 U	51 U	5.2 U	20	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Naphthalene	ug/kg	--	5.1 U	5.1 U	5.2 U	18	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
PAH High molecular weight	ug/kg	--	559	215	0	869	0	0	0	0	0	0	0	0	0	0	--
PAH Low molecular weight	ug/kg	279	84	46	0	--	0	0	0	0	0	0	0	0	0	0	--
Phenanthrene	ug/kg	--	66	46	5.2 U	81	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Pyrene	ug/kg	--	170	73	5.2 U	180	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.2 U	5.2 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	13	15	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1.3 U	1.2 U	0.74 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	48	59	14	10 U	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19	AOC10-19	AOC10-19	AOC10-19
	SAMPLE	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264
	DATE	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016	2/24/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	0	2	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	1	3	6	10	1	1	3	1	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5	3	6	3
SAMPLE TYPE						Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	5.5 U	1.2 J	1700	2.6 J	800	2100	770	7.9 J	63000	230	890	590
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	0.83 U	0.35 U	270	0.41 U	4.2 U	0.79 U	280 U	1.1 U	2300 J	150 U	34	41
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	0.18 U	0.044 U	25 U	0.088 U	3.3 U	12 J	9.6 J	0.16 U	31 UJ	3.1 U	0.68 U	6.5 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	0.19 U	0.12 U	6.9 U	0.18 U	5.2 U	12 J	7.1 U	0.094 U	45 UJ	3 U	4.1 J	0.26 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	1.1 U	0.086 U	11 U	0.082 U	5 U	11 J	14 U	0.29 U	120 J	3.8 U	5.7 U	2.4 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	0.17 U	0.038 U	39 U	0.076 U	21	49	22	0.33 U	980 J	10 J	13	17
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	0.17 U	0.1 U	6.8 U	0.16 U	6.7 U	6.8 J	13 U	0.13 U	110 J	6 U	1.9 J	2.5 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	0.12 U	0.047 U	35 U	0.071 U	3.1 U	5.4 U	2.9 U	0.075 U	21 UJ	5.1 U	0.62 U	3.4 J
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	0.17 U	0.11 U	2.9 U	0.27 U	2.3 U	1.4 U	1.9 U	0.11 U	7.9 UJ	0.54 U	1.1 J	0.32 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	0.35 U	0.059 U	14 U	0.1 U	2.1 U	23	1.4 U	0.25 U	140 J	3 U	3.8 U	11 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	0.5 U	0.13 U	8.1 U	0.2 U	4.7 U	2.9 J	2.1 U	0.31 U	51 UJ	2 U	1.9 U	1 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	0.15 U	0.24 U	7.2 U	0.18 U	4.2 U	160 U	120 U	0.83 U	3300 UJ	1.7 U	64 U	96 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	0.17 U	0.27 U	3.1 U	0.27 U	2.4 U	4.9 J	3.9 J	0.053 U	100 J	2.1 U	2 J	2.6 J
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.11 U	0.051 U	2.6 U	0.11 U	2 U	1 J	0.89 U	0.04 U	2.7 J	0.46 U	0.38 U	0.41 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	0.13 U	0.064 U	5.2 UJ	0.078 U	3.7 U	1.8 J	1.4 U	0.18 U	25 UJ	0.63 U	1.2 J	1.2 U
OCDD	ng/kg	--	--	--	--	35 J	8.9 U	26000	22 U	6400	9000	7100	51	230000	2000	4300	5300
OCDF	ng/kg	--	--	--	--	3 U	0.21 U	250	0.72 U	90	240	5.5 U	1.7 J	11000 J	94	55	130
TEQ Avian	ng/kg	--	--	--	--	0.36	0.26	33	0.33	8.6	27	17	0.29	440	6.3	9.7	15
TEQ Human	ng/kg	--	--	--	--	0.28	0.15	53	0.22	17	48	25	0.28	1100	8.8	17	21
TEQ Mammals	ng/kg	--	--	--	--	0.28	0.15	53	0.22	17	48	25	0.28	1100	8.8	17	21
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	7.98	8.47	8.15	--	8.4	8.9	8	8.4	8	8.4	8.1	8.1	8.6	7.6	8.3	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.1 U	2.1 U	15	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--
Arsenic	mg/kg	3.4	5.5	9.1	6	3.5	3.3	9.7	3	4.1	17	5.5	4.1	11	5.1	3	--
Barium	mg/kg	93	370	120	110	120	100	320	85	140	77	140	130	57	59	60	--
Beryllium	mg/kg	1 U	1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	7.4	1 U	1 U	4.4	1.2	1 U	1.8	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.42 U	0.42 U	0.41 U	2700	12	1.4	0.2	0.2 U	0.91	0.37	0.2 U	1.8	2.6	0.2 U	--
Chromium, total	mg/kg	4.9	17	19	17	2800	28	270	8.1	35	85	35	8.6	72	130	5.5	--
Cobalt	mg/kg	2.3	6.4	7.4	6.3	3.4	3.2	8.5	3.2	8.1	36	13	3.4	27	5.7	2.5	--
Copper	mg/kg	4.1	9.4	9.5	9	11	5	3100	5	14	200	42	5.1	140	22	4.2	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.1	3.4	4.2	3.2	6.1	2.8	920	2.9	12	38	17	3.4	30	22	2.2	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	35	0.099 U	0.1 U	0.11 U	0.1 U	0.1 U	0.24	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	2.1 U	1 U	1 U	1 U	9.4	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	4.3	12	14	13	5.8	5.8	28	5.4	20	51	25	5.4	34	11	4.4	--
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	2 U	2.1 U	4.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--
Vanadium	mg/kg	12	33	36	30	14	18	23	16	38	19	34	19	12	16	13	--
Zinc	mg/kg	14	38	40	32	38	16	360	16	50	39	35	18	26	56	11	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
4,4-DDE	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
4,4-DDT	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Aldrin	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
alpha-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
beta-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
delta-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Dieldrin	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endo sulfan I	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Endo sulfan II	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endrin	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endrin aldehyde	ug/kg	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Heptachlor	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Methoxy chlor	ug/kg	--	--	--	--	5 U	5 U	10 U	5 U	5 U	5.3 U	5.1 U	5.1 U	5 U	5 U	5 U	--
Toxaphene	ug/kg	--	--	--	--	50 U	50 U	100 U	50 U	50 U	53 U	51 U	51 U	50 U	50 U	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1221	ug/kg	--	--	--	--	33 U	33 U	66 U	33 U	33 U	35 U	34 U	33 U	33 U	33 U	33 U	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1254	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	110	17 U	17 U	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	25.5 U	25.5 U	49.5 U	25.5 U	25.5 U	27 U	25.5 U	25.5 U	127	25.5 U	25.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
2-Methyl naphthalene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Acenaphthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Acenaphthylene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Anthracene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
B(a)P Equivalent	ug/kg	5.8 U	6 U	6 U	5.9 U	5.9 U	5.8 U	290	5.8 U	290	59	300 U	5.9 U	63	58	5.8 U	--
Benzo (a) anthracene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	5.3 UJ	260 U	5.1 U	51 J	50 U	5 U	--
Benzo (a) pyrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	45 J	50 U	5 U	--
Benzo (b) fluoranthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	82 J	50 U	5 U	--
Benzo (ghi) perylene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	23 J	50 U	5 U	--
Benzo (k) fluoranthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	28 J	50 U	5 U	--
Chrysene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	550	31 J	260 U	5.1 U	56 J	50 U	5 U	--
Dibenzo (a,h) anthracene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	5.1 UJ	50 U	5 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	71	5 U	250 U	34 J	260 U	5.1 U	100 J	15 J	5 U	--
Fluorene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U	22 J	50 U	5 U	--
Naphthalene	ug/kg	5 U	4.5 U	4 U	4.9 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U	5.1 UJ	5 U	5 U	--
PAH High molecular weight	ug/kg	0	0	0	0	0	0	71	0	820	102	0	0	504	15	0	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	86	0	0	8.2	0	0	27	16	0	--
Phenanthrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	86	5 U	250 U	8.2 J	260 U	5.1 U	27 J	16 J	5 U	--
Pyrene	ug/kg	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	270	37 J	260 U	5.1 U	97 J	5 U	5 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	340 U	340 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
3-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	340 U	340 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	6600 U	660 U	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	660 U	680 U	690 U	680 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	660 U	660 U	--
4-Chloroaniline	ug/kg	330 U	340 U	340 U	340 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	660 U	660 U	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Nitroaniline	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
4-Nitrophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
Benzyl alcohol	ug/kg	660 UJ	680 UJ	690 UJ	680 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U	670 U	660 U	660 U	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	3300 U	330 U	--
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	3300 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	17000 U	330 U	830000 U	3500 U	840000 U	330 U	330 U	3300 U	330 U	--
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Pentachlorophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U	1700 U	1700 U	1700 U	--
Phenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 UJ	10 U	10 U	10 U	10 U	10 U	4000	10 U	2100	170	1500	18	24	630	10 U	--
TPH as gasoline	mg/kg	--	0.99 U	0.87 U	0.89 U	--	1.4 U	--	1.6 U	--	2.1 U	1.6 U	1.2 U	--	1.3 U	1.4 U	--
TPH as motor oil	mg/kg	10 UJ	10 U	10 U	10 U	10 U	10 U	8900	17	4900	400	3200	81	69	1600	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1-Dichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1-Dichloropropene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2-Dibromoethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,2-Dichloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2-Dichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,2,4-Trimethylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,3-Dichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U	330 U	330 U	330 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1700 U	1600 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
4-Isopropyltoluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Acetone	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 UJ	71 UJ	64 UJ	--	--	--	--
Acrolein	ug/kg	--	90 U	79 U	98 U	--	--	--	--	--	210 U	140 U	130 U	--	--	--	--
Acrylonitrile	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 U	71 U	64 U	--	--	--	--
Benzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
Bromobenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Bromochloromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Bromodichloromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Bromoform	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Bromomethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Carbon disulfide	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Carbon tetrachloride	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chloro methane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chlorobenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chloroethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Chloroform	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22	AOC10-23	AOC10-23	AOC10-23	AOC10-24
	SAMPLE	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/25/2016	2/25/2016	2/25/2016	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	5	7	0	2	0	2	0	1	2	5	0	1	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	1	2	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6	0.5	2	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Dibromomethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Ethyl- benzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Hexachlorobutadiene	ug/kg	330 U	4.5 U	4 U	4.9 U	670 U	660 U	3300 U	670 U	170000 U	10 U	400 U	6.4 U	670 U	660 U	660 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	2200	84000 U	330 U	2800	330 U	330 U	--
Isopropylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 UJ	71 UJ	64 UJ	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	45 U	40 U	49 U	--	--	--	--	--	100 U	71 U	64 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
N-Butylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
N-Propylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U	330 U	330 U	330 U	--
p-Chlorotoluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
sec-Butylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Styrene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
tert-Butylbenzene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U	--	--	--	--
Tetrachloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Toluene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Trichloroethene	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Vinyl chloride	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Xylene, m,p-	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Xylene, o-	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--
Xylenes, total	ug/kg	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	3000	30 J	0.24 U	2.3 U	2.2 J	--	220	3400	9300	1800	--	450	260	30	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	37 U	--	1.1 U	0.23 U	0.49 U	11 U	21	410	1100	440	--	44	36	6.8 J	--	--
1,2,3,4,7,8-HxCDD	ng/kg	22	0.25 U	0.34 U	0.47 U	0.3 U	--	3 J	29	73	11 J	--	3.4 U	3.3 J	0.22 U	--	--
1,2,3,4,7,8-HxCDF	ng/kg	23 U	0.35 U	0.16 U	0.26 U	0.13 U	--	1.2 U	--	48	12 J	8 J	6.3 U	2.3 U	0.3 U	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	44 U	0.59 U	0.73 U	1.3 U	0.56 U	--	2.6 J	44	110	36	--	4.4 U	4.6 J	1.2 U	--	--
1,2,3,6,7,8-HxCDD	ng/kg	140	--	0.54 U	0.27 U	0.22 U	0.66 U	7.8 J	--	300	80	49	12 J	9.9 J	0.22 U	--	--
1,2,3,6,7,8-HxCDF	ng/kg	23 U	0.31 U	0.28 U	0.56 U	0.12 U	--	1.3 J	60	120	15	--	5.5 U	5.7 J	0.59 U	--	--
1,2,3,7,8-PeCDD	ng/kg	8.1 J	0.16 U	0.14 U	0.5 U	0.14 U	--	1.7 J	--	28	5.7 U	5.6 J	1.1 U	1.8 U	0.21 U	--	--
1,2,3,7,8-PeCDF	ng/kg	4.7 J	0.31 U	0.1 U	0.097 U	0.076 U	--	0.51 J	5.1 J	8.9 U	2.5 J	--	2 U	1.4 U	0.3 U	--	--
1,2,3,7,8,9-HxCDD	ng/kg	49	0.63 J	0.41 U	0.55 U	0.11 U	--	4.9 J	57	140	25	--	7.9 J	5.3 J	0.22 U	--	--
1,2,3,7,8,9-HxCDF	ng/kg	27 U	0.63 U	0.7 U	1 J	0.39 U	--	0.2 U	5.6 J	13	3.9 J	--	7.2 U	1.7 U	0.36 U	--	--
2,3,4,6,7,8-HxCDF	ng/kg	2300 U	--	0.51 U	0.73 J	0.36 U	8 J	50 U	1900 U	3800 U	1100 U	--	6.5 U	100 U	18 U	--	--
2,3,4,7,8-PeCDF	ng/kg	7.9 J	0.66 U	0.14 U	0.1 U	0.2 U	--	1.8 J	6.7 J	13	12 J	--	7.7 J	5 U	0.32 U	--	--
2,3,7,8-TCDD	ng/kg	0.22 J	0.054 U	0.14 U	0.064 U	0.12 U	--	0.15 U	--	0.17 U	0.1 U	0.04 U	0.14 U	0.2 U	0.13 U	--	--
2,3,7,8-TCDF	ng/kg	1 J	--	0.41 U	0.095 U	0.082 U	1.5 J	0.39 U	1.1 J	0.75 J	1.1 J	--	0.71 U	0.47 U	0.25 U	--	--
OCDD	ng/kg	28000	200 J	41 U	18 U	14 U	--	1500	--	54000	15000	6500	6100	1800	260	--	--
OCDF	ng/kg	2100	--	1.6 U	1.8 U	1.7 U	29	41	610	2000	830	--	71	72	17 J	--	--
TEQ Avian	ng/kg	150	--	0.55 U	0.65	0.35	5.9	7.8	140	300	86	--	13	11	1.6	--	--
TEQ Human	ng/kg	190	--	0.35 U	0.6	0.28	4.3	9.5	180	410	100	--	13	13	1.7	--	--
TEQ Mammals	ng/kg	190	--	0.35 U	0.6	0.28	4.3	9.5	180	410	100	--	13	13	1.7	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.86	9.26
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2 U	2.1 U	2 U	--	--	--	3.5	--	--	--	--	--	2 UJ	2.1 U
Arsenic	mg/kg	--	--	4.1	4.8	5.6	3.7	--	--	6.6	--	--	--	--	--	3.1	3.3
Barium	mg/kg	--	--	140 J	160	130	150 J	--	--	200	--	--	--	--	--	160	160
Beryllium	mg/kg	--	1 UJ	1 UJ	1 U	1 U	--	--	--	1.4 U	--	--	--	--	--	2 U	5.1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	--	--	--	1.5	--	--	--	--	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	9.5	--	--	--	--	--	1.9	0.41 U
Chromium, total	mg/kg	--	--	31	25	26	18	--	--	340	--	--	--	--	--	--	43
Cobalt	mg/kg	--	--	9.9	8.2	10	7.3 J	--	--	6.5	--	--	--	--	--	4.6	10
Copper	mg/kg	--	--	11	11	13	9.5	--	--	40	--	--	--	--	--	14	14
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	7.9 J	2.1 J	1.5	1.5	--	--	--	18	--	--	--	--	--	7.8	5.1 U
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	0.15	--	--	--	--	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	1 U	1.4	1 U	1 U	--	--	--	1.4 U	--	--	--	--	--	2 U	5.1 U
Nickel	mg/kg	--	--	21	16	15	14 J	--	--	13	--	--	--	--	--	12	26
Selenium	mg/kg	--	1 UJ	1 UJ	1 UJ	1 UJ	--	--	--	1.4 UJ	--	--	--	--	--	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	1 U	--	--	--	1.4 U	--	--	--	--	--	2 U	5.1 U
Thallium	mg/kg	--	2 UJ	2 UJ	2.1 U	2 U	--	--	--	2.8 UJ	--	--	--	--	--	4 U	10 U
Vanadium	mg/kg	--	--	36 J	30	34	27	--	--	31	--	--	--	--	--	23	43
Zinc	mg/kg	--	--	41	45	42	38	--	--	110	--	--	--	--	--	--	47
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	8900	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	20000	--	--	--	--	--	--	--	--	31000	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	21000 J	--	--	--	--	--	--	--	--	13000 J	--
Magnesium	mg/kg	--	--	--	--	--	6400	--	--	--	--	--	--	--	--	7700 J	--
Manganese	mg/kg	--	--	--	--	--	300	--	--	--	--	--	--	--	--	260	--
Potassium	mg/kg	--	2300	--	--	--	--	--	--	--	--	--	--	--	--	1800	--
Sodium	mg/kg	--	--	--	--	--	290	--	--	--	--	--	--	--	--	480	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ	--
Methoxy chlor	ug/kg	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--
Toxaphene	ug/kg	--	51 U	--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1221	ug/kg	--	34 U	33 U	34 U	34 U	--	--	--	--	--	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1242	ug/kg	--	17 UJ	17 UJ	17 UJ	17 UJ	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1248	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1254	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1260	ug/kg	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Total PCBs	ug/kg	--	25.5 U	25.5 U	25.5 U	25.5 U	--	--	--	--	--	--	--	--	--	25.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Acenaphthene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Acenaphthylene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Anthracene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	--	5.9 U	5.9 U	5.9 U	72	--	--	--	--	--	--	--	--	8.8	5.9 U
Benzo (a) anthracene	ug/kg	--	5.1 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Benzo (a) pyrene	ug/kg	--	7.1 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5.2	5.1 U
Benzo (b) fluoranthene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	99 J	--	--	--	--	--	--	--	--	5.4	5.1 U
Benzo (ghi) perylene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	17 J	--	--	--	--	--	--	--	--	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	32 J	--	--	--	--	--	--	--	--	5.9	5.1 U
Chrysene	ug/kg	--	7.8 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	7	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	75 J	--	--	--	--	--	--	--	--	11	5.1 U
Fluorene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	17 J	--	--	--	--	--	--	--	--	5 U	5.1 U
Naphthalene	ug/kg	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5.1 U
PAH High molecular weight	ug/kg	--	--	0	0	0	467	--	--	--	--	--	--	--	--	44.2	0
PAH Low molecular weight	ug/kg	--	--	0	0	0	24	--	--	--	--	--	--	--	--	0	0
Phenanthrene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	24 J	--	--	--	--	--	--	--	--	5 U	5.1 U
Pyrene	ug/kg	--	--	5.1 U	5.1 U	5.1 U	86 J	--	--	--	--	--	--	--	--	9.7	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
2-Chloro naphthalene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Chlorophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Methylphenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
2,4-Dichlorophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,4-Dimethylphenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
3-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U	680 U
4-Chloroaniline	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Methylphenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
Atrazine	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	710 U	--	--	--	--	--	--	--	--	700 U	--
Benzoic acid	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U
Benzyl alcohol	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Butylbenzylphthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Caprolactam	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 UJ	--
Carbazole	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Dibenzofuran	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Diethyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Dimethyl phthalate	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Hexachlorobenzene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Hexachloroethane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Pentachlorophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
Phenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1-Dichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1-Dichloropropene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,1-Trichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,1,2-Tetrachloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,2-Trichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,1,2,2-Tetrachloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dibromo-3-chloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dibromoethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,2-Dichloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2-Dichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2,3-Trichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2,3-Trichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,2,4-Trichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,2,4-Trimethylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,3-Dichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,3-Dichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,3,5-Trimethylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
1,4-Dichlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
1,4-Dioxane	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
2-Hexanone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
2,2-Dichloropropane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
2,4,5-Trichlorophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
4-Isopropyltoluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Acetone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Acrolein	ug/kg	--	110 U	--	--	--	--	--	--	--	--	--	--	--	--	--	140 U
Acrylonitrile	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Benzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
bis (2-chloroethyl) ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Bromobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromochloromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromodichloromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromoform	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Bromomethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Carbon disulfide	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Carbon tetrachloride	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chloro methane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chlorobenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chloroethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Chloroform	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
cis-1,2-Dichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
cis-1,3-Dichloropropene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Cyclohexane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3
	SAMPLE	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011
	DATE	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	0	2	2.5	4.5	2	0	2	4	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	0.5	3	2.7	5	3	0.5	3	5	0.5	3
SAMPLE TYPE							Field Duplicate		Field Duplicate								
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Dibromomethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Dichlorodifluoromethane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Ethyl- benzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Hexachlorobutadiene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	7.2 U
Hexachlorocyclopentadiene	ug/kg	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	660 U	--
Isophorone	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
Isopropylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methyl acetate	ug/kg	--	5.7 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methyl ethyl ketone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Methyl isobutyl ketone	ug/kg	--	57 U	--	--	--	--	--	--	--	--	--	--	--	--	--	72 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methylcyclohexane	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Methylene chloride	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
N-Butylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
N-Propylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Nitrobenzene	ug/kg	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	330 U	340 U
p-Chlorotoluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
sec-Butylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Styrene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
tert-Butylbenzene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Tetrachloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Toluene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
trans-1,2-Dichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
trans-1,3-Dichloropropene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Trichloroethene	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Vinyl chloride	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Xylene, m,p-	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Xylene, o-	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U
Xylenes, total	ug/kg	--	5.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	170 J	6.3 UJ	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	13 J	1.4 UJ	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2.2 J	1.3 UJ	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1 UJ	2 UJ	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.7 UJ	1.7 UJ	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	4.5 J	1.6 UJ	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.4 UJ	1.8 UJ	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.26 UJ	1.5 UJ	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.34 UJ	1.4 UJ	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	3.4 J	1.6 UJ	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.75 UJ	2.3 UJ	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	17 UJ	2 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.9 J	1.4 UJ	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.099 UJ	1.1 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.39 UJ	1.6 UJ	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1800 J	5 UJ	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	28 U	5.9 UJ	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	4.3	3.4 U	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	5.2	2.3 U	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	5.2	2.3 U	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.24	--	--	8.2	9.55	9.28	--	7.64	8.22	8.57	--	8.55	7.97	8.05	8.11	7.91
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	4.1 U	--	2 UJ	2 U	2 U	2 U	2 U
Arsenic	mg/kg	5.4	--	7.4	3.5	2.5	5.9	7.7	9.6	8.2	12	--	7	4.2	7.6	8	9.6
Barium	mg/kg	220	--	110	110	130	75	48	500	380	--	1300	220 J	220	250	210	270
Beryllium	mg/kg	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U	--	2 U	1 U	1 U	1 U	2 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.71	--	0.41 U	0.55	0.41 U	0.42 U	0.41 U	1	0.48	0.41 U	--	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	37	64	28	33	26	27	18	39	30	19	--	24	23	22	27	33
Cobalt	mg/kg	9.9	--	9	6.5	7.1	10	7.9	9.6	8.3	8.8	--	7.2	7	6.7	7.9	8.7
Copper	mg/kg	16	--	12	14	16	16	12	27	21	--	41	11	9.5	12	12	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.9	--	2.8	11	4.4	3	2.7	27	34	--	7.3	26	4.1	8.6	8.1	4.4
Mercury	mg/kg	0.1 U	--	0.1 UJ	0.1 U	0.1 U	0.11 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U	--	2 U	1 U	1 U	1.1	2 U
Nickel	mg/kg	25	--	20	15	19	20	14	23	20	16	--	16	16	14	14	20
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U	--	2 U	1 U	1 U	1 U	2 U
Thallium	mg/kg	10 U	--	2.1 U	4 U	4.1 U	10 U	2.1 U	10 U	10 U	10 U	--	4 U	2 U	2 U	2 U	4.1 U
Vanadium	mg/kg	46	--	33	32	33	40	27	52	43	--	37	32	34	29	33	38
Zinc	mg/kg	61	41	50	52	38	63	48	97	77	80	--	58	45	54	58	58
Metals CLP																	
Aluminum	mg/kg	--	7200	--	--	--	--	--	18000	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	44000	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Cyanide	mg/kg	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	28000	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	12000	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	1300	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	4100	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	360	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	51 U	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	34 U	34 UJ	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	49	33 J	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	66	50	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	9.8	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	--	6 U	12	5.9 U	6 U	6 U	120	430	--	9.5	54	44	15	5.9	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	44	190	5.1 U	--	22	8.4	5.4 J	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	--	5.2 U	8	5.1 U	5.2 U	5.2 U	76	290	--	5.8	36	39	10 J	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5.2 U	9.2	5.1 U	5.2 U	5.2 U	88 J	370	--	5.9	33	16	9.7 J	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 U	--	5.2 U	7.3	5.1 U	5.2 U	5.2 U	62	240	--	5.4	32	5.1 U	8.6 J	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5.2 U	8.9	5.1 U	5.2 U	5.2 U	84	300	--	6.3	46	5.1 U	11 J	5.1 U	5.1 U
Chrysene	ug/kg	5.2 U	--	5.2 U	11	5.1 U	5.2 U	5.2 U	100	350	--	7.6	46	92	13 J	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	20	61	5.1 U	--	9.2	5.1 U	5 U	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.2 U	--	5.2 U	17	5.1 U	5.2 U	5.2 U	150	530	--	10	70	24	18 J	5.4	5.1 U
Fluorene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5.2 U	6.4	5.1 U	5.2 U	5.2 U	57	230	5.1 U	--	28	5.1 U	7.9 J	5.1 U	5.1 U
Naphthalene	ug/kg	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	--	0	83.8	0	0	0	811	3060	--	50.7	386	223	101	10.6	0
PAH Low molecular weight	ug/kg	0	--	0	5.4	0	0	0	42	200	0	--	22	90	5.7	0	0
Phenanthrene	ug/kg	5.2 U	--	5.2 U	5.4	5.1 U	5.2 U	5.2 U	42	190	5.1 U	--	22	90	5.7 J	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	--	5.2 U	16	5.1 U	5.2 U	5.2 U	130	500	--	9.7	64	44	17 J	5.2	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	--	--	660 U	680 U	680 U	--	3400 U	680 U	670 U	--	660 U	1700 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	--	1700 U	1700 U	1700 U	--	8400 U	1700 U	1700 U	--	1700 U	4200 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	3600 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	--	1700 U	1700 U	1700 U	--	8400 U	1700 U	1700 U	--	1700 U	4200 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	--	--	660 U	680 U	680 U	--	3400 U	680 U	670 U	--	660 U	1700 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	--	10 U	10 U	10 U	--	10 U	10 U	10 U	--	10 U	51.8	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	--	--	--	1.4 U	1.4 U	--	--	1.2 U	1.4 U	--	--	1.5 UJ	--	1.6 UJ	--
TPH as motor oil	mg/kg	10 U	13	--	10 U	10 U	10 U	--	47.1	33.1	19.7	--	15.7	207	26.5	14.5	11.5
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1-Dichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1-Dichloropropene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,1-Trichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,1,2-Tetrachloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,2-Trichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,1,2,2-Tetrachloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dibromo-3-chloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dibromoethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,2-Dichloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2-Dichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2,3-Trichlorobenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2,3-Trichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,2,4-Trichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,2,4-Trimethylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,3-Dichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,3-Dichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,3,5-Trimethylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
1,4-Dichlorobenzene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	77 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
2,4,5-Trichlorophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U	--	1600 U	4100 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	77 U	62 U	--	--	11000 U	--	--	--
Acrolein	ug/kg	190 U	--	--	--	140 U	130 U	--	--	150 U	120 U	--	--	22000 U	--	140 U	130 U
Acrylonitrile	ug/kg	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U	--	--	11000 U	--	70 U	64 U
Benzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
bis (2-chloroethyl) ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Bromobenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromochloromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromodichloromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromoform	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Bromomethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Carbon disulfide	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Carbon tetrachloride	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chloro methane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chlorobenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chloroethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Chloroform	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
cis-1,2-Dichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
cis-1,3-Dichloropropene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7
	SAMPLE	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029
	DATE	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	0	9	0	2	5	9	0	2	5	5	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	10	0.5	3	6	10	0.5	3	6	6	0.5	3	0.5	3	6
SAMPLE TYPE			Field Duplicate									Field Duplicate					
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Dibromomethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Dichlorodifluoromethane	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Ethyl- benzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Hexachlorobutadiene	ug/kg	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U	--	330 U	840 U	330 U	7 U	6.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	3400 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U	--	--	11000 U	--	70 U	64 U
Methyl isobutyl ketone	ug/kg	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U	--	--	11000 U	--	70 U	64 U
Methyl tert-butyl ether (MTBE)	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	7.7 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
N-Butylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
N-Propylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Nitrobenzene	ug/kg	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U	--	330 U	840 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
sec-Butylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Styrene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
tert-Butylbenzene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Tetrachloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Toluene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
trans-1,2-Dichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
trans-1,3-Dichloropropene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Trichloroethene	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Vinyl chloride	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Xylene, m,p-	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Xylene, o-	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U
Xylenes, total	ug/kg	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U	--	--	1100 U	--	7 U	6.4 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	2700	5400	9.5 U	4.8 U	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	550	660	1.3 U	0.52 U	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	5.1 U	18	0.39 U	0.12 U	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	9.7 U	15 U	0.67 U	0.4 U	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	87 U	76 U	0.52 U	0.22 U	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	100	110	0.24 U	0.15 U	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	8.5 U	13 U	0.59 U	0.35 U	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	7.3 J	8 J	0.15 U	0.21 U	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	1 U	2.7 U	0.2 U	0.1 U	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	31	43	0.25 U	0.16 U	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	11 U	17 U	1.6 U	0.45 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1200 U	1000 U	0.67 U	0.65 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	4 J	3.5 U	0.13 U	0.11 U	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.22 U	0.66 J	0.15 U	0.14 U	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.38 U	2.3 J	0.092 U	0.29 U	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	22000	44000	75	34	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	1200	2200	2.3 U	1.8 U	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	88	88	0.49	0.49	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	120	150	0.48	0.36	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	120	150	0.48	0.36	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.44	--	--	--	8.35	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	4 U	2 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U
Arsenic	mg/kg	--	8.6	9.1	4.8	8.8	3.8	3.1	2.9	2.9	3.7	4.7	3.6	3.2	3.6	3.8	3.5
Barium	mg/kg	--	210	82	140	140	65	77	65	290	150	140	82	150	140	130	130
Beryllium	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.4 U	0.2 U	0.2 U	8.3	0.21 U	0.21 U	0.21 U	0.21 U	5.3	1.3	0.21 U	0.21 U	--	--	--
Chromium, total	mg/kg	18	--	19	16	80	13	3.6	3.7	4.6	100	68	45	39	33	11	11
Cobalt	mg/kg	7	--	6.9	6.6	5.7	4.2	2.3	1.9	2.2	7.6	5.7	9	10	10	4.1	3.9
Copper	mg/kg	--	12	12	10	270 J	11	2.9	2.6	3.6	27	25	12	31	30	6.3	6.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	15 J	3.2	2.3	200 J	9.4	2.1	1.9	2.4	4.2	22	1.7	2.3	4	2.6	2.5
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.64	0.12	0.1 U	0.1 U	0.11 U	0.13	0.21	0.19	0.16	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	2 U	1 U	1 U	19	1.1 U	1 U	1 U	1.1 U	1 U	1.4	1 U	1 U	1.1 U	1 U	1 U
Nickel	mg/kg	--	14	15	13	28	7.7	3.4	2.7	3.9	19	16	28	32	25	7.7	7.9
Selenium	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 UJ	1 UJ	1 UJ
Silver	mg/kg	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	--	4 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2 UJ	2 UJ
Vanadium	mg/kg	33	--	29	26	17	18	9.6	9.3	9.9	27	22	40	42	34	19	17
Zinc	mg/kg	--	87	41	49	1000 J	36	10	9.5	12	35	70	34	38	41	20	19
Metals CLP																	
Aluminum	mg/kg	8100	--	--	--	4100 J	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	23000	--	--	18000	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Cyanide	mg/kg	--	4.9 U	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	18000	--	--	--	32000 J	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	6300	--	--	--	3900	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	470	--	--	270	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	1600	--	--	1100	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	170	--	--	540	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Aldrin	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endrin	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	2.1 UJ	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	5.3 UJ	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	53 UJ	53 U	52 U	52 U	52 U	51 U	52 U	52 U	52 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1221	ug/kg	--	33 U	--	--	35 U	35 U	34 U	35 U	35 U	34 U	34 U	34 U	34 U	--	--	--
Aroclor 1232	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1242	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1248	ug/kg	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--
Aroclor 1254	ug/kg	--	17 U	--	--	71	63	17 U	17 U	17 U	17 U	130	17 U	17 U	--	--	--
Aroclor 1260	ug/kg	--	17 U	--	--	18 U	38	17 U	17 U	17 U	17 U	85	17 U	17 U	--	--	--
Aroclor 1262	ug/kg	--	17 U	--	--	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	--	--	18 U	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	25.5 U	--	--	89	110	25.5 U	25.5 U	25.5 U	25.5 U	224	25.5 U	25.5 U	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	7.3	5.2 U	5.2 U	--	--	--
2-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Acenaphthene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Acenaphthylene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Anthracene	ug/kg	--	5 U	5.1 U	5.1 U	86	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
B(a)P Equivalent	ug/kg	--	5.8 U	5.9 U	5.9 U	1600	12	6 U	6 U	6.1 U	5.9 U	58	6 U	6 U	--	--	--
Benzo (a) anthracene	ug/kg	--	5 U	5.1 U	5.1 U	560	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Benzo (a) pyrene	ug/kg	--	5 U	5.1 U	5.1 U	920	7.4	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Benzo (b) fluoranthene	ug/kg	--	5 U	5.1 U	5.1 U	1600	12	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Benzo (ghi) perylene	ug/kg	--	5 U	5.1 U	5.1 U	1400	6.7	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Benzo (k) fluoranthene	ug/kg	--	5 U	5.1 U	5.1 U	580	7	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Chrysene	ug/kg	--	5 U	5.1 U	5.1 U	930	7.7	5.2 U	5.2 U	5.3 U	5.1 U	33	5.2 U	5.2 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	5 U	5.1 U	5.1 U	340	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	5 U	5.1 U	5.1 U	1000	11	5.2 U	5.2 U	5.3 U	5.1 U	50	5.2 U	5.2 U	--	--	--
Fluorene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	5 U	5.1 U	5.1 U	1100	6	5.2 U	5.2 U	5.3 U	5.1 U	52 U	5.2 U	5.2 U	--	--	--
Naphthalene	ug/kg	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--
PAH High molecular weight	ug/kg	--	0	0	0	9530	68.8	0	0	0	0	130	0	0	--	--	--
PAH Low molecular weight	ug/kg	--	0	0	0	286	0	0	0	0	0	21.3	0	0	--	--	--
Phenanthrene	ug/kg	--	5 U	5.1 U	5.1 U	200	5.3 U	5.2 U	5.2 U	5.3 U	5.1 U	14	5.2 U	5.2 U	--	--	--
Pyrene	ug/kg	--	5 U	5.1 U	5.1 U	1100	11	5.2 U	5.2 U	5.3 U	5.1 U	47	5.2 U	5.2 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	660 U	--	--	42000 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	--	--	110000 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	700 U	--	--	45000 U	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	--	--	110000 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	660 U	--	--	42000 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	--	--	213 UJ	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	10 U	--	--	297 J	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	--	--	1e+05 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4
	SAMPLE	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280
	DATE	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	1	3	0.5	1	3	6	10	1	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	0.5	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE		Field Duplicate															
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	660 U	--	--	42000 U	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	330 U	--	--	21000 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	820 J	4600 J	2600 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	88 J	980 J	650 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	5.8 J	33 J	27 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	2.2 UJ	25 J	11 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	5.3 UJ	83 UJ	56 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	20 J	170 J	1.2 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	4.1 UJ	42 J	56 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	2.7 J	16 J	15 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.59 UJ	1.7 UJ	8.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	12 J	67 J	54 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	2.5 UJ	9.6 UJ	12 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	100 UJ	1700 UJ	1600 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.59 UJ	5.7 UJ	8.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.14 UJ	0.62 UJ	0.17 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.36 UJ	1.6 UJ	0.38 UJ	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	7900 J	38000 J	17000 J	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	230 J	1800 J	930 J	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	13	140	120	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	24	200	150	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	24	200	150	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	9.01	9.75	9.86	--	--	8.93	9.7	9.68	--	8.13	9.41	9.79	--	--	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U
Arsenic	mg/kg	2.2	3.6	3.1	3.1	4.7	--	3	2.9	4.1	5.7	1 U	2.9	5	6.2	--	3.4
Barium	mg/kg	310	130	120	110	120	--	89	100	100	120	120	93	110	120	--	76
Beryllium	mg/kg	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	2 U	1 U	1 U	2.1 U	2.1 U	--	1 U
Cadmium	mg/kg	1.1	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	0.022	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.56	1.4	0.43	0.41 U	--	0.43	1.1	0.45	0.76	27.7	1.8	0.43	0.42 U	--	0.4 U
Chromium, total	mg/kg	47	24	63	20	29	--	29	47	29	39	820	90	38	36	--	12
Cobalt	mg/kg	12	4.8	4.8	3.9	6.2	--	3.8	4.3	5.3	8.2	3.6	5.8	--	11	10	4
Copper	mg/kg	14	9.8	28	8	10	--	11	15	8.8	15	90	23	--	13	16	5.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	0.012 J	--	--	--	--	--
Lead	mg/kg	2.1	8.6	--	4.3	3.7	12 J	8.2	5.2	4.2	3.8	24	5	3.8	3.5	--	41
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	2 U	1.5	1.1	1.1	1	2 U	1.5	1 U	2.1 U	2.1 U	--	1 U
Nickel	mg/kg	35	10	11	8.4	16	--	8.9	10	14	22	9.2	14	--	26	25	9.1
Selenium	mg/kg	1 UJ	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U	1 U	2 U	1 U	1 U	2.1 U	2.1 U	--	1 U
Thallium	mg/kg	2.1 UJ	2 U	2 U	2 U	4 U	--	2 U	2 U	2 U	4 U	2 U	2 U	4.1 U	4.1 U	--	2 U
Vanadium	mg/kg	43	25	20	16	24	--	17	17	22	29	17	22	--	38	35	17
Zinc	mg/kg	41	38	--	39	29	160 J	40	44	27	38	240	59	40	44	--	29
Metals CLP																	
Aluminum	mg/kg	--	4900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Cyanide	mg/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	4700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	180	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	990	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	33 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	25.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
2-Methyl naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Acenaphthene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Acenaphthylene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
B(a)P Equivalent	ug/kg	--	12	5.8 U	5.9 U	5.9 U	--	21	5.8 U	5.9 U	5.9 U	22	5.9 U	6 U	6 U	--	17
Benzo (a) anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	7.4	5 U	5.1 U	5.1 U	10	5.1 U	5.2 U	5.2 U	--	8.1
Benzo (a) pyrene	ug/kg	--	7.4	5 U	5.1 U	5.1 U	--	14	5 U	5.1 U	5.1 U	10	5.1 U	5.2 U	5.2 U	--	11
Benzo (b) fluoranthene	ug/kg	--	10	5 U	5.1 U	5.1 U	--	22	5 U	5.1 U	5.1 U	34	5.1 U	5.2 U	5.2 U	--	13
Benzo (ghi) perylene	ug/kg	--	9.5	5 U	5.1 U	5.1 U	--	15	5 U	5.1 U	5.1 U	18	5.1 U	5.2 U	5.2 U	--	8.6
Benzo (k) fluoranthene	ug/kg	--	10	5 U	5.1 U	5.1 U	--	17	5 U	5.1 U	5.1 U	18	5.1 U	5.2 U	5.2 U	--	16
Chrysene	ug/kg	--	8.9	5 U	5.1 U	5.1 U	--	18	5 U	5.1 U	5.1 U	19	5.1 U	5.2 U	5.2 U	--	16
Dibenzo (a,h) anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	6	5.1 U	5.2 U	5.2 U	--	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	7.4	5 U	5.1 U	5.1 U	--	19	5 U	5.1 U	5.1 U	8.7	5.1 U	5.2 U	5.2 U	--	20
Fluorene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	7.4	5 U	5.1 U	5.1 U	--	13	5 U	5.1 U	5.1 U	16	5.1 U	5.2 U	5.2 U	--	7.7
Naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U
PAH High molecular weight	ug/kg	--	67.9	0	0	0	--	144	0	0	0	149	0	0	0	--	119
PAH Low molecular weight	ug/kg	--	0	0	0	0	--	0	0	0	0	0	0	0	0	--	5.6
Phenanthrene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5.6
Pyrene	ug/kg	--	7.3	5 U	5.1 U	5.1 U	--	19	5 U	5.1 U	5.1 U	8.9	5.1 U	5.2 U	5.2 U	--	19
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2-Chlorophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2-Methylphenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,4-Dimethylphenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,4-Dinitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
2,6-Dinitrotoluene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
3-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Bromophenyl phenyl ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Chloro-3-methylphenol	ug/kg	--	660 U	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	660 U	670 U	680 U	680 U	--	660 U
4-Chloroaniline	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Methylphenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1600 U
Acetophenone	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1600 U
Benzyl alcohol	ug/kg	--	660 U	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	660 U	670 U	680 U	680 U	--	660 U
bis (2-chloroethoxy) methane	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Butylbenzylphthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Caprolactam	ug/kg	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Di-n-octyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Dibenzofuran	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Diethyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Dimethyl phthalate	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Hexachlorobenzene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Hexachloroethane	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
N-nitrosodiphenylamine	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Pentachlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
Phenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
	SAMPLE TYPE						Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	34.2	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	--	10 U
TPH as gasoline	mg/kg	--	--	1.1 U	1.1 UJ	1.5 U	--	--	1.9 U	1.3 U	1.6 U	--	1.3 U	--	1.4 U	1.5 U	--
TPH as motor oil	mg/kg	--	10.9	--	10 U	10 U	14.5	11.2	17	10 U	11	56	14.4	10 U	10 UJ	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,2-Dichloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,3-Dichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,3-Dichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
1,4-Dichlorobenzene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
1,4-Dioxane	ug/kg	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	68 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
4-Isopropyltoluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Acetone	ug/kg	--	--	69 UJ	75 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	140 U	150 U	140 U	--	--	140 U	130 U	180 U	--	150 U	160 U	170 U	--	--
Acrylonitrile	ug/kg	--	--	--	75 U	70 U	68 U	--	68 U	66 U	92 U	--	75 U	78 U	83 U	--	--
Benzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Bromobenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromochloromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromodichloromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromoform	ug/kg	--	--	--	7.5 UJ	7 U	6.8 UJ	--	6.8 UJ	6.6 UJ	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Bromomethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Carbon disulfide	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chloro methane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chlorobenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chloroethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Chloroform	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4
	SAMPLE	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054
	DATE	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	2	0	2	5	9	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6	10	6	0.5
SAMPLE TYPE							Field Duplicate									Field Duplicate	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Dibromomethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Ethyl- benzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Hexachlorobutadiene	ug/kg	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
Isopropylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	75 U	70 U	68 U	--	68 U	66 U	92 U	--	75 U	78 U	83 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	75 U	70 U	68 U	--	68 U	66 U	92 U	--	75 U	78 U	83 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
N-Butylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
N-Propylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Nitrobenzene	ug/kg	--	330 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U
p-Chlorotoluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Styrene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Tetrachloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Toluene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Trichloroethene	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Vinyl chloride	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Xylene, m,p-	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Xylene, o-	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--
Xylenes, total	ug/kg	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.61	9.25	--	8.93	8.99	9.42	--	8.9	8.78	9.46	--	--	7.84	9.29	9.2	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2 UJ	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	2 U	2.1 U
Arsenic	mg/kg	3.6	3.8	4	4.2	1.2	3.4	4	5.9	--	3.4	4.1	4.5	9.4	--	3.9	3.6
Barium	mg/kg	100	150	85	110	140	110	180	130	--	150	150	86	270	--	140	230
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	1 U	2 U	--	1 U	1 U	1 U	2 U	--	1 U	2.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	0.049	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.42 U	2	27.3	4.8	1.4	1.3	3.8	1.9	--	0.61	2.6	--	0.51	9.3
Chromium, total	mg/kg	14	20	26	55	490	220	63	51	--	110	190	32	110	--	29	690
Cobalt	mg/kg	4.7	6.7	7.4	5.4	5.6	8.2	9.2	5.8	--	8.4	5.6	11	8	--	7.8	7
Copper	mg/kg	6.7	8.9	11	15	41	17	14	19	--	24	37	13	42	--	9	60
CR6 SPLP	mg/L	--	--	--	--	0.041 J	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	10	3.4	2.8	7.8	18	5.4	3.4	12	--	7	17	2.7	32	--	4.5	31
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1.2	2 U	1	2 U	--	1.9	2.2	1 U	2 U	--	1 U	2.1 U
Nickel	mg/kg	9.6	14	18	13	13	20	23	13	--	19	13	22	19	--	17	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	2 U	1 U	2 U	--	1 U	1 U	1 U	2 U	--	1 U	2.1 U
Thallium	mg/kg	2 U	2 U	2.1 U	2 U	2 U	4.1 U	2 U	4 U	--	2 U	2 U	2 U	4.1 U	--	2 U	4.1 U
Vanadium	mg/kg	21	30	30	23	21	28	33	24	--	31	24	44	36	--	28	29
Zinc	mg/kg	31	35	42	48	76	42	39	61	--	51	78	50	140	--	36	140
Metals CLP																	
Aluminum	mg/kg	--	--	--	7500	--	--	--	8200	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	24000	--	--	--	25000	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	15000	--	--	--	15000	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	6500	--	--	--	6600	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	210	--	--	--	230	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	1500	--	--	--	1900	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	250	--	--	--	330	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	5 U	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	50 U	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	33 U	--	--	--	33 U	--	--	33 UJ	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	16 U	--	--	--	58	--	--	68 J	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	16 U	--	--	--	17 U	--	--	17 UJ	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	24 U	--	--	--	75	--	--	85	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Acenaphthene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Anthracene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	8.4
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	6 U	16	33	5.9 U	5.9 U	37	--	39	110	5.9 U	98	--	5.9 U	270
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5.2 U	7	15	5.1 U	5.1 U	16	54	18	--	5.1 U	37	--	5.1 U	230 J
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5.2 U	11	21	5.1 U	5.1 U	24	--	25	72	5.1 U	63	--	5.1 U	180 J
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.2 U	11	23	5.1 U	5.1 U	25	--	24	73	5.1 U	76	--	5.1 U	200 J
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5.2 U	11	18	5.1 U	5.1 U	20	--	17	46	5.1 U	60	--	5.1 U	84 J
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.2 U	13	27	5.1 U	5.1 U	32	--	30	89	5.1 U	80	--	5.1 U	170 J
Chrysene	ug/kg	5 U	5.1 U	5.2 U	13	27	5.1 U	5.1 U	30	--	30	92	5.1 U	89	--	5.1 U	260 J
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5.2 U	5 U	6.3	5.1 U	5.1 U	7.1	--	7.5	18	5.1 U	17	--	5.1 U	33 J

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5.1 U	5.2 U	18	33	5.1 U	5.1 U	37	--	38	130	5.1 U	110	--	5.1 U	400 J
Fluorene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5.2 U	8.7	17	5.1 U	5.1 U	19	--	16	46	5.1 U	55	--	5.1 U	92 J
Naphthalene	ug/kg	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	--	5 U	5 U	5.1 U	5.1 U	--	3.5 U	5.2 U
PAH High molecular weight	ug/kg	0	0	0	111	219	0	0	246	--	243	737	0	686	--	0	2000
PAH Low molecular weight	ug/kg	0	0	0	0	9.3	0	0	9.6	--	10	36	0	30	--	0	80.4
Phenanthrene	ug/kg	5 U	5.1 U	5.2 U	5 U	9.3	5.1 U	5.1 U	9.6	--	10	36	5.1 U	30	--	5.1 U	72 J
Pyrene	ug/kg	5 U	5.1 U	5.2 U	18	32	5.1 U	5.1 U	36	--	37	120	5.1 U	99	--	5.1 U	350 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
2-Nitrophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	680 U	660 U	670 U	670 U	670 U	660 U	--	670 U	660 U	670 U	670 U	--	670 U	680 U
4-Chloroaniline	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 UJ	--	330 U	330 UJ	340 U	340 U	--	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 UJ	--	1700 U	1700 UJ	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	680 U	660 U	670 U	670 U	670 U	660 U	--	670 U	660 U	670 U	670 U	--	670 UJ	680 UJ
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Caprolactam	ug/kg	--	--	--	330 UJ	--	--	--	330 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	330 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
Phenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	--	10 U	10 U	10 UJ	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	1.1 U	1.6 U	--	1.9 UJ	1.6 U	1.3 U	--	--	1.3 U	1.2 U	1.7 U	--	--	1.1 U	1.3 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	20.6	34.1	13.9	10 UJ	23.5	34.4	14.5	--	10 UJ	26.1	82.5	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1-Dichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1-Dichloropropene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,1-Trichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,1,2-Tetrachloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,2-Trichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,1,2,2-Tetrachloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dibromo-3-chloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dibromoethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,2-Dichloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2-Dichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2,3-Trichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2,3-Trichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,2,4-Trichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,2,4-Trimethylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,3-Dichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,3-Dichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,3,5-Trimethylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
1,4-Dichlorobenzene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	330 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
2-Hexanone	ug/kg	--	--	--	--	89 U	--	--	--	--	--	58 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
4-Isopropyltoluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Acetone	ug/kg	--	--	--	--	89 U	--	85 U	--	--	65 U	58 UJ	68 U	--	--	--	--
Acrolein	ug/kg	130 U	140 U	150 U	--	180 U	160 U	170 U	--	--	130 U	120 U	140 U	--	--	70 U	140 U
Acrylonitrile	ug/kg	63 U	70 U	76 U	--	89 U	82 U	85 U	--	--	65 U	58 U	68 U	--	--	35 U	69 U
Benzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Bromobenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromochloromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromodichloromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromoform	ug/kg	6.3 UJ	7 UJ	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Bromomethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Carbon disulfide	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Carbon tetrachloride	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chloro methane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chlorobenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chloroethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Chloroform	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
cis-1,2-Dichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
cis-1,3-Dichloropropene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Cyclohexane	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	5.8 U	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3
	SAMPLE	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	2	9	0	2	5	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3	6	3
SAMPLE TYPE										Field Duplicate					Field Duplicate		
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Dibromomethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Dichlorodifluoromethane	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Ethyl- benzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Hexachlorobutadiene	ug/kg	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	660 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
Isopropylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Methyl acetate	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	5.8 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	63 U	70 U	76 U	--	89 U	82 U	85 U	--	--	65 U	58 U	68 U	--	--	35 U	69 U
Methyl isobutyl ketone	ug/kg	63 U	70 U	76 U	--	89 U	82 U	85 U	--	--	65 U	58 U	68 U	--	--	35 U	69 U
Methyl tert-butyl ether (MTBE)	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Methylcyclohexane	ug/kg	--	--	--	--	8.9 U	--	--	--	--	--	5.8 U	--	--	--	--	--
Methylene chloride	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
N-Butylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
N-Propylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Nitrobenzene	ug/kg	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U
p-Chlorotoluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
sec-Butylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Styrene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
tert-Butylbenzene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Tetrachloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Toluene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
trans-1,2-Dichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
trans-1,3-Dichloropropene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Trichloroethene	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Vinyl chloride	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Xylene, m,p-	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Xylene, o-	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U
Xylenes, total	ug/kg	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	10000 J	1700 J	74 J	--	--	--	--	--	320	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	1600 J	280 J	10 J	--	--	--	--	--	19	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	73 J	12 J	2.2 UJ	--	--	--	--	--	2 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	100 UJ	8.6 J	0.46 UJ	--	--	--	--	--	1.1 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	120 J	21 J	0.4 UJ	--	--	--	--	--	4.7 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	330 J	54 J	0.38 UJ	--	--	--	--	--	9.6 J	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	92 UJ	16 J	0.41 UJ	--	--	--	--	--	3.7 J	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	1.7 UJ	5.1 UJ	0.22 J	--	--	--	--	--	0.26 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	3.6 UJ	1.2 UJ	0.12 UJ	--	--	--	--	--	0.28 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	150 J	24 J	1.2 J	--	--	--	--	--	4.3 J	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	120 UJ	2.6 UJ	0.53 UJ	--	--	--	--	--	1.2 U	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	2600 UJ	530 UJ	30 UJ	--	--	--	--	--	110 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	14 UJ	1.2 UJ	0.12 UJ	--	--	--	--	--	0.3 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	2.4 J	0.23 UJ	0.058 UJ	--	--	--	--	--	0.11 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	6.9 J	1.4 J	0.091 UJ	--	--	--	--	--	0.39 U	--	--	--	--	--	--
OCDD	ng/kg	--	110000 J	15000 J	550 J	--	--	--	--	--	3300	--	--	--	--	--	--
OCDF	ng/kg	--	3400 J	580 J	12 J	--	--	--	--	--	39	--	--	--	--	--	--
TEQ Avian	ng/kg	--	220	44	2.3	--	--	--	--	--	8	--	--	--	--	--	--
TEQ Human	ng/kg	--	360	66	3.1	--	--	--	--	--	12	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	360	66	3.1	--	--	--	--	--	12	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	7.8	9.35	9.57	--	8.14	8.79	9.76	--	--	--	--	--	--	--	8.25
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2 U	--	--	--	--	--	--	2 UJ
Arsenic	mg/kg	4.4	11	5.9	4.6	7.3	6.6	1 U	3.7	4.5	--	--	--	--	--	--	3.4
Barium	mg/kg	64	310	170	120	200	170	230	100	130	--	--	--	--	--	--	120
Beryllium	mg/kg	1 U	2.1 U	2 U	1 U	2.1 U	2 U	2.1 U	2.1 U	1 U	--	--	--	--	--	--	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	0.14	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	2.7	2.1	2.8	0.44	2.5	16.4	1.5	0.42	0.54	0.21 U	0.23 U	0.22 U	0.26 U	0.21 U	0.64
Chromium, total	mg/kg	22	120	90	27	92	81	1500	82	47	40	31	39	32	33	32	49
Cobalt	mg/kg	7.8	8.8	9.9	9.1	5.4	6.3	6.7	8.6	9.1	--	--	--	--	--	--	6.8
Copper	mg/kg	11	46	19	14	25	29	110	12	15	--	--	--	--	--	--	16
CR6 SPLP	mg/L	--	--	--	--	--	--	0.13 J	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.7	36	8.9	2.6	13	15	47	4	3	--	--	--	--	--	--	8.8
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U
Molybdenum	mg/kg	1 U	2.1 U	2 U	1 U	2.1 U	2 U	2.9	2.1 U	1 U	--	--	--	--	--	--	2 U
Nickel	mg/kg	14	21	20	17	13	15	16	19	21	--	--	--	--	--	--	16
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--	--	1 U
Silver	mg/kg	1 U	2.1 U	2 U	1 U	2.1 U	2 U	2.1 U	2.1 U	1 U	--	--	--	--	--	--	2 U
Thallium	mg/kg	2.1 U	4.1 U	4.1 U	2 U	4.1 U	4 U	4.1 U	4.1 U	2 U	--	--	--	--	--	--	4 U
Vanadium	mg/kg	31	42	31	35	25	27	27	31	34	--	--	--	--	--	--	31
Zinc	mg/kg	41	150	52	47	74	80	170	44	46	--	--	--	--	--	--	58
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	34 UJ	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 UJ	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	25.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
B(a)P Equivalent	ug/kg	6 U	78	14	5.9 U	25	98	110	6 U	5.9 U	5.9 R	--	--	--	--	--	23
Benzo (a) anthracene	ug/kg	5.2 U	24	5.1 U	5.1 U	11	53	52	5.2 U	5.1 U	5.1 R	--	--	--	--	--	9.9
Benzo (a) pyrene	ug/kg	5.2 U	49	8.9	5.1 U	17	59	69	5.2 U	5.1 U	5.1 R	--	--	--	--	--	16
Benzo (b) fluoranthene	ug/kg	5.2 U	79	14	5.1 U	23	71	96	5.2 U	5.1 U	5.1 R	--	--	--	--	--	25
Benzo (ghi) perylene	ug/kg	5.2 U	43	7.7	5.1 U	17	58	62	5.2 U	5.1 U	5.1 R	--	--	--	--	--	18
Benzo (k) fluoranthene	ug/kg	5.2 U	60	11	5.1 U	24	67	68	5.2 U	5.1 U	5.1 R	--	--	--	--	--	6.2
Chrysene	ug/kg	5.2 U	71	12	5.1 U	24	84	94	5.2 U	5.1 U	5.1 R	--	--	--	--	--	12
Dibenzo (a,h) anthracene	ug/kg	5.2 U	14	5.1 U	5.1 U	5.2 U	21	22	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.2 U	87	15	5.1 U	30	120	100	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14
Fluorene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	38	7	5.1 U	15	50	59	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14
Naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
PAH High molecular weight	ug/kg	0	547	90.6	0	190	683	722	0	0	0 R	--	--	--	--	--	129
PAH Low molecular weight	ug/kg	0	23	0	0	8.6	58	29	0	0	0 R	--	--	--	--	--	0
Phenanthrene	ug/kg	5.2 U	23	5.1 U	5.1 U	8.6	58	29	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U
Pyrene	ug/kg	5.2 U	82	15	5.1 U	29	100	100	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	680 U	690 U	660 U	680 U	680 U	680 U	--	--	--	--	--	--	660 U
4-Chloroaniline	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Methylphenol	ug/kg	340 U	340 UJ	340 U	340 U	340 U	330 UJ	340 UJ	340 U	340 U	--	--	--	--	--	--	330 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1700 U	1700 U	--	--	--	--	--	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	1700 U
Benzyl alcohol	ug/kg	680 U	680 U	680 U	680 U	690 U	660 U	680 U	680 U	680 U	--	--	--	--	--	--	660 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	--	--	--	--	--	--	10 U
TPH as gasoline	mg/kg	1.3 U	--	1.6 U	1.5 U	1.4 U	--	1.5 U	1.7 U	1.3 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	20.5	21.6	10 U	10 UJ	18.1	70.9	10 U	10 UJ	--	--	--	--	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,2-Dichloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,2,4-Trimethylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,3-Dichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
4-Isopropyltoluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Acetone	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Acrolein	ug/kg	140 U	--	140 U	150 U	130 U	--	150 U	150 U	140 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Benzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Bromobenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromoform	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Chloroform	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1
	SAMPLE	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080
	DATE	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	14	19	29	40	49	59	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	15	20	30	50	50	60	0.5
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Dibromomethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
Isopropylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	71 U	--	70 U	75 U	67 U	--	73 U	77 U	71 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	340 U	340 U	340 U	--	--	--	--	--	--	330 U
p-Chlorotoluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Styrene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Toluene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	7.1 U	--	7 U	7.5 U	6.7 U	--	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.89	9.02	--	--	7.78	8.63	9.07	--	8.13	8.85	9.42	--	--	7.84	8.54	9.07
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	4.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	4.1 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	3.9	--	9.8	7.1	4.2	3.3	6.6	7.2	3.6	3.4	--	7.3	8.2	9.2	5.4	3.6
Barium	mg/kg	120	--	140	210	180	180	210	150	120	270	330	--	150	340	260	220
Beryllium	mg/kg	2 U	5.2 U	2.1 U	--	2 U	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U
Cadmium	mg/kg	1 U	1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.053	--
Chromium, Hexavalent	mg/kg	2.9	1.1	0.41 U	--	0.4 U	1.2	0.6	0.41 U	0.41 U	1.9	--	0.41 U	0.41 U	0.92	3.9	0.42 U
Chromium, total	mg/kg	150	66	23	--	22	40	33	22	20	64	31	--	21	29	130	66
Cobalt	mg/kg	7.1	11	9.4	--	6.2	5.4	10	8.5	5.9	6.3	--	10	8.5	8.3	6.7	6.5
Copper	mg/kg	31	23	12	--	17	14	16	16	12	18	--	18	11	25	27	21
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.031 J	--
Lead	mg/kg	6.8	--	3.5	5.3	21	16	6.2	3.2	22	21	5.1	--	3.6	25	26	17
Mercury	mg/kg	0.1 U	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	--	0.1 U	0.1 UJ	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	2 U	5.2 U	2.1 U	--	2 U	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U
Nickel	mg/kg	17	27	17	--	16	14	21	16	15	15	--	23	15	21	17	15
Selenium	mg/kg	1 U	1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.1 U	1 U
Silver	mg/kg	2 U	5.2 U	2.1 U	--	2 U	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U
Thallium	mg/kg	4.1 U	10 U	4.1 U	--	4 U	4.1 U	10 U	10 U	4 U	4.1 U	--	10 U	4.1 U	10 U	4.2 U	4.1 U
Vanadium	mg/kg	35	--	31	46	32	30	45	38	29	33	--	43	28	42	35	31
Zinc	mg/kg	76	80	58	--	61	54	70	73	52	61	--	60	56	85	81	64
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	11000	--	--	--	8900	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	28000	--	--	--	20000	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	18000	--	--	--	17000	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	8200	--	--	--	6700	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	370	--	--	--	270	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2300	--	--	--	1700	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	210	--	--	--	190	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	2 UJ	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	2 UJ	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	2 UJ	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1 UJ	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	5 U	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	50 U	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	33 U	34 UJ	--	--	33 U	34 UJ	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	20	17 UJ	--	--	19	17 UJ	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	17 U	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	37	25.5 U	--	--	36	25.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	7.9	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6 U	6 U	--	170	25	21	5.9 U	280	78	--	9	5.9 U	33	43	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	--	80	11	9.1	5.1 U	140	38	--	5.1 U	5.1 U	13	13	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.2 U	--	120	17	14	5.1 U	190	52	--	5.2	5.1 U	23	29	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	--	160	26	20	5.1 U	250	73	--	7	5.1 U	41	43	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.2 U	--	72	14	12	5.1 U	110	43	--	5.1 U	5.1 U	21	25	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	--	68	11	9.8	5.1 U	120	22	--	5.1 U	5.1 U	11	15	5.1 U
Chrysene	ug/kg	5.1 U	5.2 U	5.2 U	--	140	23	16	5.1 U	220	58	--	5.4	5.1 U	32	31	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	--	22	5.1 U	5.1 U	5.1 U	33	11	--	5.1 U	5.1 U	5.2 U	5.8	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	5.2 U	5.2 U	--	230	35	26	5.1 U	360	99	--	7.9	5.1 U	47	44	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.2 U	--	76	14	12	5.1 U	120	41	--	5.1 U	5.1 U	20	23	5.1 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	--	1180	183	143	0	1880	527	--	33.7	0	250	271	0
PAH Low molecular weight	ug/kg	0	0	0	--	77	11	7.8	0	138	34	--	0	0	15	12	0
Phenanthrene	ug/kg	5.1 U	5.2 U	5.2 U	--	77	11	7.8	5.1 U	130	34	--	5.1 U	5.1 U	15	12	5.1 U
Pyrene	ug/kg	5.1 U	5.2 U	5.2 U	--	210	32	24	5.1 U	340	90	--	8.2	5.1 U	42	42	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2-Nitroaniline	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
3-Nitroaniline	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	--	--	1700 U	670 U	670 U	--	670 U	680 U	--	670 U	--	690 U	700 U	680 U
4-Chloroaniline	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Nitroaniline	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	--	4100 U	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	1800 U	--	--	--	710 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	--	4100 U	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	680 U	--	--	1700 U	670 U	670 U	--	670 U	680 U	--	670 U	--	690 U	700 U	680 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Caprolactam	ug/kg	--	--	--	--	830 U	--	--	--	330 UJ	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	830 U	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Pentachlorophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
Phenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	11.1	--	--	10 U	10 U	10 U	--	10 U	10 U	--	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	1.6 U	--	--	--	1.4 U	1.3 U	--	--	1.4 U	--	1.5 U	--	--	1.4 U	1.5 UJ
TPH as motor oil	mg/kg	15.3	27.9	--	--	10 U	27.3 J	38.3 J	--	16.1 J	10 U	--	10 U	--	11.6	16.8	11.6
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1-Dichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1-Dichloropropene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,1-Trichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,1,2-Tetrachloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,2-Trichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,1,2,2-Tetrachloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dibromo-3-chloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dibromoethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,2-Dichloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2-Dichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2,3-Trichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2,3-Trichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,2,4-Trichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,2,4-Trimethylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,3-Dichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,3-Dichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,3,5-Trimethylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
1,4-Dichlorobenzene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
1,4-Dioxane	ug/kg	--	--	--	--	830 U	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
2-Hexanone	ug/kg	--	--	--	--	--	72 U	--	--	--	68 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	--	--	4000 U	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
4-Isopropyltoluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Acetone	ug/kg	56 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	110 U	150 U	--	--	--	140 U	130 U	--	--	140 U	--	130 U	--	--	160 U	150 U
Acrylonitrile	ug/kg	56 U	77 U	--	--	--	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U
Benzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Bromobenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromochloromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromodichloromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromoform	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Bromomethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Carbon disulfide	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Carbon tetrachloride	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chloro methane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chlorobenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chloroethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Chloroform	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
cis-1,2-Dichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
cis-1,3-Dichloropropene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Cyclohexane	ug/kg	--	--	--	--	--	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4
	SAMPLE	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096
	DATE	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	6	10	0.5	3	6
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Dibromomethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Dichlorodifluoromethane	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Ethyl- benzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Hexachlorobutadiene	ug/kg	5.6 U	7.7 U	--	--	830 U	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	1700 U	--	--	--	670 U	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
Isopropylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Methyl acetate	ug/kg	--	--	--	--	--	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	56 U	77 U	--	--	--	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U
Methyl isobutyl ketone	ug/kg	56 U	77 U	--	--	--	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--
Methylene chloride	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
N-Butylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
N-Propylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Nitrobenzene	ug/kg	340 U	340 U	--	--	830 U	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U
p-Chlorotoluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
sec-Butylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Styrene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
tert-Butylbenzene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Tetrachloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Toluene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
trans-1,2-Dichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
trans-1,3-Dichloropropene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Trichloroethene	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Vinyl chloride	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Xylene, m,p-	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Xylene, o-	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U
Xylenes, total	ug/kg	5.6 U	7.7 U	--	--	--	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	40 J	1.6 UJ	2.2 UJ	0.17 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	2.9 UJ	0.14 UJ	1.1 UJ	0.097 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	0.88 UJ	0.19 UJ	0.2 UJ	0.088 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.22 UJ	0.13 UJ	0.12 UJ	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.49 UJ	0.14 UJ	0.93 UJ	0.11 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	1.4 J	0.17 UJ	0.19 UJ	0.077 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	0.4 UJ	0.11 UJ	0.1 UJ	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.13 UJ	0.087 UJ	0.32 UJ	0.068 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.31 UJ	0.26 UJ	0.16 UJ	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	1.4 J	0.18 UJ	0.28 UJ	0.083 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.25 UJ	0.15 UJ	0.084 UJ	0.16 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	2.7 UJ	0.21 UJ	0.61 J	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.32 UJ	0.28 UJ	0.17 UJ	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.13 UJ	0.071 UJ	0.068 UJ	0.074 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.3 UJ	0.14 UJ	0.082 UJ	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	300 J	13 J	11 J	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	6.4 J	0.33 UJ	1.5 UJ	0.21 UJ	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	0.9	0.35	0.44	0.25 U	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	1.2	0.2	0.36	0.14 U	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	1.2	0.2	0.36	0.14 U	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.4	8.1	7.8	8.1	8.6	8.4	8.9	10	9.1	8.7	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	2.1 U	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	6.9	2.8	5.3	5.2	4.9	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	220	120	130	190	150	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	5.1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.2 U	0.21 U	0.21 U	0.21 U	--	--	--	--	0.4 UJ	--	--	0.78 J	--	--	0.41 UJ
Chromium, total	mg/kg	32	20	20	27	24	--	--	--	--	43	--	--	44	--	--	170
Cobalt	mg/kg	11	7.3	8.4	8.8	9.1	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	16	8.9	13	17	17	--	--	--	--	--	--	--	--	--	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.2	20	2.4	2.3	2.6	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	5.1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	5.9	--	--	5.8	--	--	13
Nickel	mg/kg	24	16	16	18	20	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	5.1 U	1 U	1 U	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	10 U	2 U	2.1 U	2.1 U	2.1 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	43	28	31	31	35	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	68	44	48	49	54	--	--	--	--	--	--	--	--	--	--	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	33 R	34 R	--	34 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	17 R	17 R	--	17 R	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	25.5 R	25.5 R	--	25.5 R	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	5.9 U	58	6 U	6 U	6 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.1 U	20	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5.1 U	30	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	49	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	51 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	0	145	0	0	0	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	10	0	0	0	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.1 U	10	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.1 U	46	5.2 U	5.2 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4
	SAMPLE	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021
	DATE	9/18/2008	12/15/2015	12/15/2015	12/15/2015	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	0	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	1	3	6	10	1	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3
SAMPLE TYPE										Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	6.2 UJ	0.93 UJ	--	--	--	13	0.88 U	0.65 U	0.044 U	--	100	4 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	0.83 UJ	0.11 UJ	--	--	--	1.2 U	0.056 U	0.06 U	--	0.028 U	9.3 J	0.47 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	0.099 UJ	0.033 UJ	--	--	--	0.12 U	0.32 J	0.054 U	--	0.025 U	0.8 U	0.1 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	0.17 UJ	0.03 UJ	--	--	--	0.11 U	0.042 U	0.056 U	0.028 U	--	1.1 U	0.13 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	0.21 UJ	0.079 UJ	--	--	--	0.15 U	0.071 U	0.076 U	--	0.041 U	0.68 U	0.11 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	0.099 UJ	0.033 UJ	--	--	--	0.32 U	0.3 J	0.059 U	--	0.024 U	3.9 J	0.1 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	0.16 UJ	0.028 UJ	--	--	--	0.1 U	0.03 U	0.052 U	0.026 U	--	1 U	0.12 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	0.068 UJ	0.033 UJ	--	--	--	0.059 U	0.05 U	0.027 U	--	0.061 U	0.36 U	0.044 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	0.064 UJ	0.032 UJ	--	--	--	0.15 U	0.088 U	0.049 U	--	0.066 U	0.12 U	0.04 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	0.16 J	0.057 UJ	--	--	--	0.12 U	0.039 U	0.056 U	--	0.023 U	1.7 J	0.097 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	0.2 UJ	0.023 UJ	--	--	--	0.13 U	0.049 U	0.065 U	0.033 U	--	1.3 U	0.15 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	1.1 UJ	0.07 UJ	--	--	--	1.6 U	0.034 U	0.18 U	0.061 U	--	14 U	1.1 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	0.066 UJ	0.033 UJ	--	--	--	0.16 U	0.095 U	0.053 U	0.04 U	--	0.13 U	0.043 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.055 UJ	0.036 UJ	--	--	--	0.052 U	0.054 U	0.065 U	--	0.035 U	0.096 U	0.028 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	0.051 UJ	0.026 UJ	--	--	--	0.08 U	0.16 U	0.063 U	--	0.098 U	0.25 U	0.17 U
OCDD	ng/kg	--	--	--	--	70 J	8.7 U	--	--	--	120	0.095 U	6.9 J	0.43 U	--	990	36
OCDF	ng/kg	--	--	--	--	0.99 UJ	0.12 UJ	--	--	--	5.3 J	0.13 U	0.54 U	--	0.04 U	33	0.97 U
TEQ Avian	ng/kg	--	--	--	--	0.24	0.079 U	--	--	--	0.32	0.21	0.13	--	0.15 U	1.8	0.24
TEQ Human	ng/kg	--	--	--	--	0.24	0.062 U	--	--	--	0.39	0.15	0.09	--	0.084 U	3.1	0.2
TEQ Mammals	ng/kg	--	--	--	--	0.24	0.062 U	--	--	--	0.39	0.15	0.09	--	0.084 U	3.1	0.2
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	8.9	9.5	9	8.9	--	7.8	8	8.5	--	8.5	8	8.4
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	2.1 U	2.4 U	2.8 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U
Arsenic	mg/kg	--	--	--	--	--	3.3	3.9	6.1	5.2	5.1	3.5	2.9	2.8	--	3.3	3.6
Barium	mg/kg	--	--	--	--	--	140	120	140	200 J	100	73	81	--	37 J	98	120
Beryllium	mg/kg	--	--	--	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	--	--	--	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.41 U	0.42 U	0.21 U	0.21 U	0.24 U	0.28 U	--	0.21 U	0.21 U	0.21 U	--	0.21 U	0.2 U	0.21 U
Chromium, total	mg/kg	9.2	11	10	26	11	11	18	15	--	21	21	30	--	23 J	15	20
Cobalt	mg/kg	--	--	--	--	4.8	3.9	5.8	6	--	7.4	7.9	9.4	--	9.4	5.6	7.9
Copper	mg/kg	--	--	--	--	9.7	9.5	8.1	9.2	--	8.7	10	12	--	9.4	8	10
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	7.8 J	5.2	5.3	6.1	--	2.4	1.9	2.2	2.7	--	2.6	2.3
Mercury	mg/kg	--	--	--	--	0.1 U	0.1 U	0.12 U	0.14 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	--	--	--	--	9.5	8.3	12	12	--	15	16	21	--	17	12	15
Selenium	mg/kg	--	--	--	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	2.1 U	2.4 U	2.8 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U
Vanadium	mg/kg	--	--	--	--	--	22	29	30	21	36	39	45	--	38	29	40
Zinc	mg/kg	--	--	--	--	67 J	32	38	37	--	51	44	45	46	--	31	43
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	0	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	1	3	6	10	1	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3
SAMPLE TYPE										Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	34 U	34 U	34 U	--	34 U	34 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
Acenaphthene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
Acenaphthylene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
Anthracene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	6 U	11	8 U	21	6	6 U	6 U	--	6 U	10	6 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	7.2	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1	5.2 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	5.2 U	5.9	6.9 U	14	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1	5.2 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	5.2 U	13	6.9 U	28 J	5.2 U	5.2 U	5.2 U	--	5.2 U	17	5.2 U
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	7.2	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	7.5	5.2 U	5.2 U	5.2 U	--	5.2 U	5.8	5.2 U
Chrysene	ug/kg	--	--	--	--	--	5.2 U	6.7	6.9 U	13	5.2 U	5.2 U	5.2 U	--	5.2 U	11	5.2 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	0	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	1	3	6	10	1	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3
SAMPLE TYPE										Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	--	--	--	--	5.2 U	11	6.9 U	22 J	8.3	5.2 U	5.2 U	--	5.2 U	24	5.2 U
Fluorene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	6.8	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
Naphthalene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U
PAH High molecular weight	ug/kg	--	--	--	--	--	0	46.4	0	126	13.5	0	0	--	0	89	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	0	0	0	7.5	0	0	0	--	0	5.4	0
Phenanthrene	ug/kg	--	--	--	--	--	5.2 U	5.9 U	6.9 U	7.5	5.2 U	5.2 U	5.2 U	--	5.2 U	5.4	5.2 U
Pyrene	ug/kg	--	--	--	--	--	5.2 U	9.8	6.9 U	20	5.2	5.2 U	5.2 U	--	5.2 U	21	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2-Chlorophenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2-Methylphenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
3-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U
4-Chloroaniline	ug/kg	--	--	--	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
4-Methylphenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
4-Nitroaniline	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	1700 UJ	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Dibenzofuran	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Diethyl phthalate	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Hexachloroethane	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Pentachlorophenol	ug/kg	--	--	--	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Phenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	0	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	1	3	6	10	1	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3
SAMPLE TYPE										Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	10 U	10 U	12 U	14 U	--	10 U	10 U	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	10 U	42	14 U	29	13	10 U	10 U	--	10 U	19	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111
	DATE	8/25/2008	8/25/2008	8/25/2008	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		0	0	0	3	0	2	5	9	0	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	0.5	4	1	3	6	10	1	1	3	6	10	10	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3
SAMPLE TYPE										Field Duplicate				Field Duplicate			
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5
	SAMPLE	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	0	2	2	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	1	3	0	3	0	3	3	0	3	6	0	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0	3	0	3	3	0	3	6	0	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	58	6.6 J	--	43	120	12 J	8.1 J	100	390	--	14	7.8 J	65	490	560 J	350 J
1,2,3,4,6,7,8-HpCDF	ng/kg	5.9 J	1.3 J	--	3.7 J	5.1 J	1.1 J	0.81 J	8.2 J	32	--	1.2 J	0.78 U	4.9 J	28	0.27 U	0.35 U
1,2,3,4,7,8-HxCDD	ng/kg	0.62 U	--	0.083 J	0.35 U	0.76 U	0.42 U	0.22 U	0.67 U	2.9 J	--	0.28 U	0.2 U	0.75 J	2 J	1.5 J	1.4 J
1,2,3,4,7,8-HxCDF	ng/kg	0.23 U	0.091 U	--	0.11 U	0.3 U	0.16 U	0.12 U	1 J	2.7 J	--	0.097 U	0.12 U	0.42 U	3 J	4.3 J	2.9 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.23 U	0.18 U	--	0.25 U	0.59 U	0.13 U	0.18 U	0.89 J	--	2.4 J	0.12 U	0.15 U	0.53 U	2.3 U	4 J	2.9 J
1,2,3,6,7,8-HxCDD	ng/kg	2.1 U	0.065 U	--	1.1 U	2.4 J	0.22 U	0.22 U	2.6 J	--	9.7 J	0.6 J	0.28 U	2.1 J	11 J	15	11 J
1,2,3,6,7,8-HxCDF	ng/kg	0.16 U	--	0.13 U	0.27 U	0.28 U	0.15 U	0.12 U	0.5 J	1.5 J	--	0.093 U	0.12 U	0.41 U	1.1 J	1.4 J	0.96 U
1,2,3,7,8-PeCDD	ng/kg	0.14 U	0.043 U	--	0.15 U	0.2 U	0.12 U	0.13 U	0.49 U	1.3 U	--	0.11 U	0.15 U	0.38 U	1 J	0.55 U	0.29 U
1,2,3,7,8-PeCDF	ng/kg	0.11 U	--	0.13 U	0.14 U	0.14 U	0.11 U	0.14 U	0.26 U	--	0.87 J	0.11 U	0.12 U	0.19 U	0.43 U	0.24 U	0.47 U
1,2,3,7,8,9-HxCDD	ng/kg	1 U	0.062 U	--	0.89 J	1.2 U	0.21 U	0.21 U	1.3 J	4.7 J	--	0.29 U	0.18 U	0.99 U	3.4 J	3 J	2.1 J
1,2,3,7,8,9-HxCDF	ng/kg	0.16 U	0.11 U	--	0.34 U	0.35 U	0.2 U	0.16 U	0.23 U	--	0.88 J	0.12 U	0.16 U	0.22 U	0.44 U	1.6 J	1.2 U
2,3,4,6,7,8-HxCDF	ng/kg	9.2 U	--	0.14 U	5.2 U	7.9 U	1.4 U	1.3 J	18 U	48 U	--	1.8 U	1.3 U	9.7 U	46 U	100 U	71 U
2,3,4,7,8-PeCDF	ng/kg	0.26 U	--	0.14 U	0.15 U	0.15 U	0.12 U	0.16 U	0.45 U	1.2 J	--	0.12 U	0.13 U	0.21 U	1.3 U	3.7 J	2.6 U
2,3,7,8-TCDD	ng/kg	0.051 U	0.042 U	--	0.038 U	0.053 U	0.11 U	0.24 U	0.15 U	0.088 U	--	0.095 U	0.11 U	0.13 U	0.15 U	0.1 U	0.14 U
2,3,7,8-TCDF	ng/kg	0.19 U	--	0.045 U	0.28 U	0.16 U	0.098 U	0.071 U	0.19 U	0.49 U	--	0.1 U	0.11 U	0.18 U	0.48 U	0.83 J	0.72 U
OCDD	ng/kg	520	71	--	390	1200	100	70	1000	4900	--	120	70	600	6200	7000	4700
OCDF	ng/kg	20 J	5.6 J	--	8.8 J	16 J	2.4 J	1.6 J	25	140	--	2.4 U	2 U	16 J	82	130	100
TEQ Avian	ng/kg	1.1	0.4	--	0.84	1.1	0.38	0.5	2.2	7	--	0.39	0.38	1.3	6.7	12	7
TEQ Human	ng/kg	1.6	0.36	--	1.2	2.6	0.44	0.51	3.3	11	--	0.51	0.38	2.1	13	17	11
TEQ Mammals	ng/kg	1.6	0.36	--	1.2	2.6	0.44	0.51	3.3	11	--	0.51	0.38	2.1	13	17	11
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	--	8.7	9.5	11	9.1	9	8.7	9.4	--	8.6	8.7	9.6	8.6	9.7	9.8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	--	2.1 U	2.1 U	2 UJ	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U
Arsenic	mg/kg	3.7	3.4	--	3.3	3.5	7.2 J	6.7	3	3.1	--	3.4	3.4	3.6	3.4	2.7	3.4
Barium	mg/kg	110	--	90	120	140	200 J	170	150	120	--	150	120	150	110	97	110
Beryllium	mg/kg	1 U	1.1 U	--	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	--	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	--	0.2 U	1	0.2 U	0.21 U	0.2 U	0.43	--	0.2 U	0.2 U	0.21 U	0.2 U	0.21 U	0.21 U
Chromium, total	mg/kg	20	23	--	25	16	18 J	16	14	18	--	16	14	17	21	18	20
Cobalt	mg/kg	7.7	8.6	--	5.5	5.8	7 J	6.5	5	5	--	6.2	5.9	6.4	6.8	5.7	6.2
Copper	mg/kg	11	--	7.7	9.1	9	11 J	11	8.6	--	7.7	9.6	8.6	10	12	9.3	8.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.4	2.2	--	4.1	4.1	4.2 J	3.5	5.3	6.4	--	3.5	3.2	5.5	6.4	5.4	5.6
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.099 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	--	1.3	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	15	17	--	12	12	14 J	13	10	--	9	12	12	12	15	13	15
Selenium	mg/kg	1 U	1.1 U	--	1 U	1.1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	--	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	--	2.1 U	2.1 U	2 UJ	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U
Vanadium	mg/kg	35	42	--	24	24	32 J	30	27	23	--	32	33	30	32	28	30
Zinc	mg/kg	38	45	--	33	33	47 J	41	35	30	--	40	37	38	43	36	40
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5
	SAMPLE	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	0	2	2	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	1	3	0	3	0	3	3	0	3	6	0	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0	3	0	3	3	0	3	6	0	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	35 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
Anthracene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	15	6.1 U	--	5.9 U	6.4	6	6.6	16	--	22	6.1	5.8 U	9.2	31	93	33
Benzo (a) anthracene	ug/kg	14	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	10	--	11	5 U	5 U	5.1 U	14	34 J	11 J
Benzo (a) pyrene	ug/kg	7.6	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	9.7	--	15 J	5 U	5 U	5.1	21	67 J	21 J
Benzo (b) fluoranthene	ug/kg	26	5.3 U	--	5.1 U	5.3	5	7	19	--	33 J	5.7	5 U	9.6	51	130 J	44 J
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	6.3	7	--	5 U	5 U	5.1 U	10	25	6.6
Benzo (k) fluoranthene	ug/kg	9.7	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5.7	--	11 J	5 U	5 U	5.1 U	16	60 J	19 J
Chrysene	ug/kg	32	5.3 U	--	5.1 U	5.3 U	5 U	5.6	13	--	16	5 U	5 U	5.5	31	58 J	18 J
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	7	5.2 J

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5
	SAMPLE	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	0	2	2	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	1	3	0	3	0	3	3	0	3	6	0	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0	3	0	3	3	0	3	6	0	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Fluoranthene	ug/kg	49	5.3 U	--	5.1 U	5.3 U	5 U	9.8	25	--	23	6	5 U	7.9	54	89 J	27 J
Fluorene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	6.3	5.7	--	5 U	5 U	5.1 U	10	24	6.2
Naphthalene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	184	0	--	0	5.3	5	32.2	117	--	131	16.7	0	35.3	253	579	185
PAH Low molecular weight	ug/kg	0	0	--	0	0	0	0	6.3	--	5.4	0	0	0	21	20	7.3
Phenanthrene	ug/kg	5.2 U	5.3 U	--	5.1 U	5.3 U	5 U	5.3 U	6.3	--	5.4	5 U	5 U	5.1 U	21	20	7.3
Pyrene	ug/kg	46	5.3 U	--	5.1 U	5.3 U	5 U	9.8	22	--	22	5	5 U	7.2	46	85 J	27 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2-Chlorophenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2-Methylphenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U
4-Chloroaniline	ug/kg	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
4-Methylphenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Butylbenzylphthalate	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Dibenzofuran	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Diethyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Dimethyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Hexachlorobenzene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Hexachloroethane	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5
	SAMPLE	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	0	2	2	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	1	3	0	3	0	3	3	0	3	6	0	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0	3	0	3	3	0	3	6	0	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	11 U	--	10 U	11 U	10 U	11 U	10 U	10 U	--	10 U	10 U	10 U	10 U	14	13
TPH as gasoline	mg/kg	--	--	--	--	--	--	1.5 U	--	1.4 U	--	--	1.4 U	1.6 U	--	1.7 U	1.6 U
TPH as motor oil	mg/kg	13	11 U	--	10 U	26	10 U	11 U	10 UJ	18	--	10 U	10 U	14	26	65	57
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-3	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5
	SAMPLE	AOC11-3-6112	AOC11-3-6113	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99
	DATE	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	0	2	2	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	1	3	0	3	0	3	3	0	3	6	0	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0	3	0	3	3	0	3	6	0	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	680 U	700 U	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	350 U	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	230	76	920	19	3.5 J	0.83 U	19 J	8.5 J	--	--	27 J	5.8 J	--	26 J	12 J	22 J
1,2,3,4,6,7,8-HpCDF	ng/kg	22	4.1 J	92	2.4 J	0.57 J	0.22 U	2.3 J	1.5 J	--	--	3.7 J	2.3 J	--	2.2 UJ	2.2 J	2.5 J
1,2,3,4,7,8-HxCDD	ng/kg	2.2 J	0.31 U	5.9 J	0.26 J	0.13 U	0.12 U	0.22 UJ	0.2 UJ	--	--	1.1 UJ	0.41 UJ	--	0.22 UJ	0.23 UJ	0.39 J
1,2,3,4,7,8-HxCDF	ng/kg	2 J	0.39 U	7.3 J	0.19 U	0.089 U	0.084 U	0.45 UJ	0.31 UJ	--	--	1.2 UJ	0.25 UJ	--	0.45 UJ	0.16 UJ	0.15 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	2 J	0.18 U	7.5 J	0.37 U	0.23 U	0.27 J	0.3 UJ	0.23 UJ	--	--	1.4 J	0.4 UJ	--	0.56 UJ	0.1 UJ	0.23 UJ
1,2,3,6,7,8-HxCDD	ng/kg	6.9 J	1.7 J	25	0.73 J	0.13 U	0.1 U	0.66 UJ	0.2 UJ	--	--	1.9 J	0.41 UJ	--	0.71 UJ	0.23 UJ	0.9 UJ
1,2,3,6,7,8-HxCDF	ng/kg	1 J	0.19 U	3.2 J	0.22 U	0.087 U	0.093 U	0.43 UJ	0.29 UJ	--	--	1.1 UJ	0.24 UJ	--	0.43 UJ	0.4 J	0.15 UJ
1,2,3,7,8-PeCDD	ng/kg	1.2 U	0.15 U	3.1 J	0.093 U	0.085 U	0.051 U	0.24 UJ	0.25 UJ	--	--	1.1 J	0.35 UJ	--	0.18 UJ	0.19 UJ	0.47 J
1,2,3,7,8-PeCDF	ng/kg	0.47 U	0.16 U	0.95 U	0.13 U	0.081 U	0.059 U	0.14 UJ	0.23 UJ	--	--	1 J	0.45 UJ	--	0.1 UJ	0.23 UJ	0.15 UJ
1,2,3,7,8,9-HxCDD	ng/kg	3.3 U	0.58 U	11 J	0.36 U	0.13 U	0.049 U	0.22 UJ	0.19 UJ	--	--	1.7 UJ	0.4 UJ	--	0.42 UJ	0.28 UJ	0.43 UJ
1,2,3,7,8,9-HxCDF	ng/kg	0.51 U	0.26 U	2.2 U	0.26 U	0.1 U	0.24 U	0.51 UJ	0.35 UJ	--	--	1.4 J	0.29 UJ	--	0.52 UJ	0.18 UJ	0.18 UJ
2,3,4,6,7,8-HxCDF	ng/kg	28 U	7.5 U	140 U	3.4 U	1.2 U	0.3 U	2.6 UJ	1.2 UJ	--	--	5.1 UJ	2.7 UJ	--	5.1 UJ	2.6 UJ	2.5 UJ
2,3,4,7,8-PeCDF	ng/kg	1.3 J	0.18 U	3.1 U	0.081 U	0.086 U	0.062 U	0.37 UJ	0.24 UJ	--	--	1.7 UJ	1.3 UJ	--	0.11 UJ	0.24 UJ	0.15 UJ
2,3,7,8-TCDD	ng/kg	0.12 U	0.11 U	1 J	0.16 U	0.037 U	3.7 U	0.074 UJ	0.055 UJ	--	--	0.63 J	0.2 UJ	--	0.046 UJ	0.15 UJ	0.075 UJ
2,3,7,8-TCDF	ng/kg	0.65 U	0.11 U	2.3 U	0.24 U	0.24 U	0.24 U	0.11 UJ	0.067 UJ	--	--	0.23 UJ	0.49 UJ	--	0.072 UJ	0.19 UJ	0.076 UJ
OCDD	ng/kg	2200	980	9700	180	28	3.5 U	180 J	95 J	--	--	230 J	79 J	--	340 J	140 J	190 J
OCDF	ng/kg	65	11 J	290	5.3 U	0.97 U	0.049 U	4 J	1.6 UJ	--	--	7 J	4.8 J	--	16 J	4.4 J	3.4 UJ
TEQ Avian	ng/kg	5.1	0.97	20	0.6	0.33	2.1	0.69	0.47	--	--	3.5	1.4	--	0.64	0.65	0.89
TEQ Human	ng/kg	7.1	1.9	30	0.74	0.23	2	0.74	0.46	--	--	3.3	0.84	--	0.91	0.63	1.1
TEQ Mammals	ng/kg	7.1	1.9	30	0.74	0.23	2	0.74	0.46	--	--	3.3	0.84	--	0.91	0.63	1.1
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.4	9.7	8.6	9.2	9.5	9.7	9.4	9	8.6	9.2	8.2	8.2	8.2	9.3	8.6	9.3
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.5 U	2.1 U	2.1 U	2 U	2.2 U	2 U	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	3.1	3	7.1	5.8	5.3	7.1	8.7	8.3	7.9	11	4.6	4.1	9	4	3.1	3.3
Barium	mg/kg	140	120	170	150	210	140	500	490	300	150	120	170	250	77	62	57
Beryllium	mg/kg	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22	0.21 U	0.25 UJ	0.21 UJ	0.21 UJ	0.2 UJ	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.52	0.2 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	18	20	27	18	25	21	20	20	25	14	11	15	15	12	9.6	9.6
Cobalt	mg/kg	5.7	6.7	7.4	6.9	9.1	8.1	7.2	7.4	8.9	7.4	6.1	5.7	9	5	4.6	5.1
Copper	mg/kg	9.2	7.7	22	8.9	10	9.3	12	9.5	10	9.1	8	11	7.5	9.3	8.1	7.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.2	3.2	14	1.7	1.7	2	21	24	2.4	6.1	220	30	8.5	26	28	23
Mercury	mg/kg	0.1 U	0.11 U	0.13 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.7	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	13	15	16	13	16	15	18	14	18	10	8	9	11	7.5	7.1	7.8
Selenium	mg/kg	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2.5 U	2.1 U	2.1 U	2 U	2.2 U	2 U	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	27	29	34	30	37	32	31	32	34	45	25	23	55	29	25	26
Zinc	mg/kg	39	36	70	46	48	56	67	62	59	79	40	70	79	43	45	61
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4400	4300	4600
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	15000	16000	14000

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	0.2 U
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	15000	15000	18000
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2900	2900	3200
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	200	200	190
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1200	1400	1600
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	190	280	180
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	33 U	33 U	33 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	52	13	34	29	6 U	5.9 U	6.5	5.9 U	6 U	5.9 U	13	58 U	6.2	34	6.3	57
Benzo (a) anthracene	ug/kg	26	5.3 U	14	24	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	6.2	5.2 U	5.1 U	15	5.1 U	6.1
Benzo (a) pyrene	ug/kg	34	7.8	23	20	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	8.1	52 U	5.1 U	24	5.1 U	51 U
Benzo (b) fluoranthene	ug/kg	110	16	57	28	5.2 U	5.1 U	5.4	5.1 U	5.2 U	5.1 U	16	52 U	5.8	54	7.1	51 U
Benzo (ghi) perylene	ug/kg	11	5.3 U	11	15	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	52 U	5.1 U	7.7	5.1 U	51 U
Benzo (k) fluoranthene	ug/kg	28	6.4	24	15	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	7	52 U	5.1 U	13	5.1 U	51 U
Chrysene	ug/kg	58	7.8	41	23	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	12	5.2 U	5.1 U	30	5.1 U	11
Dibenzo (a,h) anthracene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	52 U	5.1 U	5.1 U	5.1 U	51 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
Fluoranthene	ug/kg	86	9.5	75	38	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	17	5.2 U	6.1	50	6.1	15
Fluorene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	12	5.3 U	10	12	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	52 U	5.1 U	8.4	5.1 U	51 U
Naphthalene	ug/kg	5 U	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	444	57.4	318	210	0	0	10.8	0	0	0	83.3	0	17.4	250	19	47.1
PAH Low molecular weight	ug/kg	23	0	15	6	0	0	0	0	0	0	0	0	0	16	0	0
Phenanthrene	ug/kg	18	5.3 U	15	6	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	16	5.1 U	5.1 U
Pyrene	ug/kg	79	9.9	63	35	5.2 U	5.1 U	5.4	5.1 U	5.2 U	5.1 U	17	5.2 U	5.5	48	5.8	15
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
2-Chloro naphthalene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	6700 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
Benzoic acid	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	3300 U	330 U
Butylbenzylphthalate	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	3300 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Di-n-butyl phthalate	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	350 U	4100 U	350 U	340 U	340 U	360 U	3300 U	340 U	340 U	360 U	3400 U	340 U	3300 U	3300 U	330 U
Dibenzofuran	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	11 U	12 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	41	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	15	11 U	72	11 U	15	10 U	26	10 U	10 U	10 U	11 U	250	23	10	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D1	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0	3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	660 U	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	670 U	670 U	670 U
Isophorone	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	7.4 J	--	--	--	--	--	--	--	--	1300 J	910 J	3600 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.83 UJ	--	--	--	--	--	--	--	--	140 J	73 J	470 J	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.11 UJ	--	--	--	--	--	--	--	--	8.1 J	4.7 J	19 J	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.12 UJ	--	--	--	--	--	--	--	--	5.5 J	3.6 J	18 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.17 UJ	--	--	--	--	--	--	--	--	13 J	6.3 J	41 J	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.25 UJ	--	--	--	--	--	--	--	--	30 J	20 J	110 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.58 J	--	--	--	--	--	--	--	--	9.9 J	2.6 UJ	8.5 J	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.09 UJ	--	--	--	--	--	--	--	--	2.9 UJ	2.5 UJ	6.7 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.1 UJ	--	--	--	--	--	--	--	--	1.7 J	0.95 UJ	2.4 UJ	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.21 UJ	--	--	--	--	--	--	--	--	14 J	9.2 J	33 J	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	1.4 UJ	0.86 UJ	4.4 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.7 UJ	--	--	--	--	--	--	--	--	290 UJ	130 UJ	1400 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.1 UJ	--	--	--	--	--	--	--	--	1.8 J	1.6 J	4.4 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.036 UJ	--	--	--	--	--	--	--	--	0.41 UJ	0.15 UJ	0.14 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.11 UJ	--	--	--	--	--	--	--	--	1.1 UJ	0.98 J	0.12 UJ	--	--	--	--
OCDD	ng/kg	59 J	--	--	--	--	--	--	--	--	12000 J	9100 J	32000 J	--	--	--	--
OCDF	ng/kg	0.83 UJ	--	--	--	--	--	--	--	--	440 J	210 J	1200 J	--	--	--	--
TEQ Avian	ng/kg	0.31	--	--	--	--	--	--	--	--	26	15	100	--	--	--	--
TEQ Human	ng/kg	0.32	--	--	--	--	--	--	--	--	42	25	150	--	--	--	--
TEQ Mammals	ng/kg	0.32	--	--	--	--	--	--	--	--	42	25	150	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.3	8.26	8.76	9.8	--	8.19	8.89	8.97	--	8.25	--	8.99	8.96	--	7.99	9.09
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 UJ	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2 U
Arsenic	mg/kg	3.2	6	6.4	4.6	6.9	8.3	5.5	5.5	5.2	6.9	--	6.8	7.4	5.4	7.7	6.2
Barium	mg/kg	72	170	190	190	190	210	220	1300	480	190	220	410	--	110	180	210
Beryllium	mg/kg	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U	1 U	2 U	2.1 U	2.1 U	--	1 U	2 U	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.4 U	0.41 U	0.41 U	3	0.42	0.41 U	0.41 U	0.41 U	0.41 U	--	0.63	0.42 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	11	19	23	22	19	32	19	25	19	22	24	76	--	23	25	27
Cobalt	mg/kg	5.5	5.8	6.6	7.1	5.8	6.8	6.9	8.9	8.3	6.1	--	7.4	7.1	8.1	6.4	8.5
Copper	mg/kg	8.6	12	14	9	10	20	10	14	6.5	16	14	15	--	11	18	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	13	9.9	20	4.7	9.2	15	7.7	3.4	2.2	13	17	25	--	2.9	17	8
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U	1	2 U	--	2.1 U	2.4	1.1	2 U	2 U
Nickel	mg/kg	8.6	13	14	14	13	18	14	19	14	15	16	17	--	17	17	20
Selenium	mg/kg	1 U	1 U	1 U	1.6	1 U	2.1 U	1 U	2 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U	1 U	2 U	2.1 U	2.1 U	--	1 U	2 U	2 U
Thallium	mg/kg	2 U	4 U	4.1 U	2 U	4 U	4.1 U	4.2 U	4.1 U	2 U	4.1 U	4.2 U	4.1 U	--	2 U	4.1 U	4.1 U
Vanadium	mg/kg	32	23	30	31	22	32	32	41	35	24	--	36	31	33	28	37
Zinc	mg/kg	63	46	58	44	44	75	42	56	47	62	63	75	--	48	79	52
Metals CLP																	
Aluminum	mg/kg	5100	11000	--	--	--	20000	--	--	--	15000	--	--	--	--	--	--
Calcium	mg/kg	20000	33000	--	--	--	45000	--	--	--	42000	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Cyanide	mg/kg	0.21 U	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	21000	14000	--	--	--	20000	--	--	--	16000	--	--	--	--	--	--
Magnesium	mg/kg	3700	8500	--	--	--	12000	--	--	--	11000	--	--	--	--	--	--
Manganese	mg/kg	250	330	--	--	--	350	--	--	--	320	--	--	--	--	--	--
Potassium	mg/kg	1700	2500	--	--	--	5000	--	--	--	3400	--	--	--	--	--	--
Sodium	mg/kg	300	580	--	--	--	710	--	--	--	530	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	--	5.2 U	--	--	--	5.1 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	--	52 U	--	--	--	51 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	33 U	--	--	--	34 U	--	--	--	34 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.1	6.1	6 U	5.9 U	5.9 U	12	6 U	5.9 U	5.9 U	12	9.1	5.9 U	--	5.9 U	11	5.9
Benzo (a) anthracene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	7.5	5.2 U	5.1 U	5.1 U	7.5	5.3	5.1 U	--	5.1 U	6.3	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1	5.2	5.2 U	5.1 U	5.1 U	10	5.2 U	5.1 U	5.1 U	9	5.7	5.1 U	--	5.1 U	8.4	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.2	5.2 U	5.1 U	5.1 U	9.3	5.2 U	5.1 U	5.1 U	8.9	5.2 U	5.1 U	--	5.1 U	8	26
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2	5.2 U	5.1 U	5.1 U	9	5.2 U	5.1 U	5.1 U	9.5	6.2	5.1 U	--	5.1 U	8.9	5.1 U
Chrysene	ug/kg	5.1 U	6.8	5.2 U	5.1 U	5.1 U	12	5.2 U	5.1 U	5.1 U	12	7	5.1 U	--	5.1 U	13	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Fluoranthene	ug/kg	6.1	8	5.2 U	5.1 U	5.1 U	15	5.2 U	5.1 U	5.1 U	15	7.5	5.1 U	--	5.1 U	18	5.1 U
Fluorene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	7.5	5.2 U	5.1 U	5.1 U	7.3	5.2 U	5.1 U	--	5.1 U	5.6	5.1 U
Naphthalene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	18	38.1	0	0	0	83.3	0	0	0	82.2	38.8	0	--	0	82.2	26
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0
Phenanthrene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	6.8	7.7	5.2 U	5.1 U	5.1 U	13	5.2 U	5.1 U	5.1 U	13	7.1	5.1 U	--	5.1 U	14	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2-Chlorophenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2-Methylphenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
2-Nitrophenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2,3,4,6-Tetrachlorophenol	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2,4-Dimethylphenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
2,4-Dinitrotoluene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
2,6-Dinitrotoluene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
3,3-Dichlorobenzidene	ug/kg	670 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
4-Chloro-3-methylphenol	ug/kg	670 U	660 U	680 U	670 U	--	690 U	690 U	670 U	--	680 U	690 U	680 U	--	--	680 U	1700 U
4-Chloroaniline	ug/kg	670 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
4-Methylphenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	--	1700 U	4200 U
Acetophenone	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--	--
Atrazine	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	--	1700 U	4200 U
Benzyl alcohol	ug/kg	670 U	660 U	680 U	670 U	--	690 U	690 U	670 U	--	680 U	690 U	680 U	--	--	680 U	1700 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Butylbenzylphthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Caprolactam	ug/kg	340 U	330 UJ	--	--	--	340 U	--	--	--	340 U	--	--	--	--	--	--
Carbazole	ug/kg	340 U	330 U	--	--	--	340 U	--	--	--	340 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Di-n-octyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Dibenzofuran	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Diethyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Dimethyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Hexachlorobenzene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Hexachloroethane	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
N-nitrosodiphenylamine	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
Phenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	--	10 U	10 U	10 UJ	--	--	10.3	10 U
TPH as gasoline	mg/kg	--	--	1.4 U	1.3 U	--	--	1.5 U	1.4 U	--	--	--	1.1 U	1.4 U	--	--	1.1 U
TPH as motor oil	mg/kg	10 U	45.7 J	10.1 J	10 U	--	10 U	10 U	10 U	--	10 U	10 U	35.6 J	--	--	14 J	47.5 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1-Dichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1-Dichloropropene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1,1-Trichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1,2-Trichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2-Dibromoethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2-Dichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U
1,2-Dichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2-Dichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2,3-Trichlorobenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2,3-Trichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,2,4-Trichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U
1,2,4-Trimethylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,3-Dichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U
1,3-Dichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,3,5-Trimethylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
1,4-Dichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U
1,4-Dioxane	ug/kg	340 U	330 U	--	--	--	340 U	--	--	--	340 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
2-Hexanone	ug/kg	--	--	86 U	--	--	--	82 U	--	--	--	--	--	74 U	--	--	--
2,2-Dichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
2,4,5-Trichlorophenol	ug/kg	340 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U	4100 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
4-Isopropyltoluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Acetone	ug/kg	--	--	86 U	--	--	--	--	--	--	--	--	61 U	--	--	--	--
Acrolein	ug/kg	--	--	170 U	120 U	--	--	160 U	130 U	--	--	--	120 U	150 U	--	--	120 U
Acrylonitrile	ug/kg	--	--	86 U	58 U	--	--	82 U	64 U	--	--	--	61 U	74 U	--	--	61 U
Benzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Bromobenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Bromochloromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Bromodichloromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Bromoform	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Bromomethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Carbon disulfide	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Carbon tetrachloride	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Chloro methane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Chlorobenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Chloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Chloroform	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
cis-1,2-Dichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
cis-1,3-Dichloropropene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Cyclohexane	ug/kg	--	--	8.6 U	--	--	--	8.2 U	--	--	--	--	--	7.4 U	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014	AOC11a-4-6015
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5	3
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Dibromomethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Dichlorodifluoromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Ethyl- benzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Hexachlorobutadiene	ug/kg	670 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U	6.1 U
Hexachlorocyclopentadiene	ug/kg	670 U	660 U	--	--	--	690 U	--	--	--	680 U	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
Isopropylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Methyl acetate	ug/kg	--	--	8.6 U	--	--	--	8.2 U	--	--	--	--	--	7.4 U	--	--	--
Methyl ethyl ketone	ug/kg	--	--	86 U	58 U	--	--	82 U	64 U	--	--	--	61 U	74 U	--	--	61 U
Methyl isobutyl ketone	ug/kg	--	--	86 U	58 U	--	--	82 U	64 U	--	--	--	61 U	74 U	--	--	61 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Methylcyclohexane	ug/kg	--	--	8.6 U	--	--	--	8.2 U	--	--	--	--	--	7.4 U	--	--	--
Methylene chloride	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
N-Butylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
N-Propylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Nitrobenzene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U	840 U
p-Chlorotoluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
sec-Butylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Styrene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
tert-Butylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Tetrachloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Toluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
trans-1,2-Dichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
trans-1,3-Dichloropropene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Trichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Vinyl chloride	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Xylene, m,p-	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Xylene, o-	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U
Xylenes, total	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--	6.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3
	SAMPLE	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065
	DATE	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	5	9	0	2	5	9	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.34	--	8.37	9.29	9.61	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	--	2 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	5	7.5	7.8	6	4.4	--	7.6	3.6	7.2	6.1	6.6	5.2	5.3	9	8.8	8.5
Barium	mg/kg	140	640	210	370	--	84	1000	88	130	77	230	120	140	240	270	51
Beryllium	mg/kg	2 U	2 U	2.1 U	2.1 U	1 U	--	2.1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 UJ	0.41 U	0.65	0.41 U	0.41 U	--	0.42 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	0.4 U	0.62	0.41 U	0.41 U
Chromium, total	mg/kg	25	27	32	30	18	--	24	13	19	16	13	15	19	29	27	19
Cobalt	mg/kg	8.7	9.6	6.8	8.5	8.7	--	8.4	3.2	6.7	6.7	6.2	5.1	6	6.8	8.5	6.8
Copper	mg/kg	11	14	17	12	--	9.6	9.8	9.4	8.9	7.6	7	8.1	15	17	15	9.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.7	3.5	14	9.4	--	3.1	3.1	5.6	6	3	3	7.1	5.9	16	5.7	3.7
Mercury	mg/kg	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Molybdenum	mg/kg	2 U	2 U	2.1 U	2.5	--	1.6	2.5	1.1	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1.1
Nickel	mg/kg	19	22	16	18	14	--	19	7.8	14	13	11	11	14	17	19	14
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	3.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	2 U	2 U	2.1 U	2.1 U	1 U	--	2.1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U
Thallium	mg/kg	4.1 U	4.1 U	4.1 U	4.2 U	--	2 U	4.1 U	2 U	4 U	2 U	2 U	2 U	2 U	4 U	4.1 U	2 U
Vanadium	mg/kg	38	43	32	38	34	--	37	13	29	29	29	21	26	27	38	32
Zinc	mg/kg	54	59	71	57	53	--	62	54	48	42	40	42	53	73	57	46
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3
	SAMPLE	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065
	DATE	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	5	9	0	2	5	9	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	23	11	5.9 U	--	5.9 U	5.8	5.8 U	5.9 U	5.9 U	6.1	5.8 U	60	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	10	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	25	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	16	6.9	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	37	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	19	8.1	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5.3	5 U	59	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	14	5.8	5.1 U	--	5.1 U	6.9	5 U	5.1 U	5.1 U	5.4	5 U	36	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	16	6.5	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	43	5.1 U	5.1 U
Chrysene	ug/kg	5.1 U	5.1 U	24	7.6	5.1 U	--	5.1 U	6.7	5 U	5.1 U	5.1 U	5 U	5 U	59	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	11	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3
	SAMPLE	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065
	DATE	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	5	9	0	2	5	9	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	5.1 U	30	8	5.1 U	--	5.1 U	6.6	5 U	5.1 U	5.1 U	5.9	5 U	89	5.1 U	5.1 U
Fluorene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	12	5.4	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	30	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	168	56.4	0	--	0	25.9	0	0	0	16.6	0	467	0	0
PAH Low molecular weight	ug/kg	0	0	8.9	0	0	--	0	0	0	0	0	0	0	26	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	8.9	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	26	5.1 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	27	8.1	5.1 U	--	5.1 U	5.7	5 U	5.1 U	5.1 U	5 U	5 U	78	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	--	680 U	690 U	680 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	--	680 U	690 U	680 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3
	SAMPLE	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065
	DATE	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	5	9	0	2	5	9	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.6 U	--	--	1.1 U	--	1.1 U	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	11.9 J	--	11.2 J	37.4 J	11.3 J	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	140 U	--	--	120 U	130 U	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	69 U	--	--	62 U	66 U	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3
	SAMPLE	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063	AOC11a-SS-3-6064	AOC11a-SS-3-6065
	DATE	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	5	9	0	2	5	9	0	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5	3	6
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	69 U	--	--	62 U	66 U	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	69 U	--	--	62 U	66 U	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2
	SAMPLE	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037
	DATE	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	0	2	5	9	0	2	5	2	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
	SAMPLE TYPE						Field Duplicate						Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	4.9 J	77 J	100 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	1.1 J	7.5 J	10 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	0.12 UJ	0.87 UJ	0.84 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.099 UJ	0.55 J	0.87 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.13 UJ	0.88 J	0.83 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	0.23 UJ	2.2 J	3.2 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	0.23 UJ	0.76 UJ	1.3 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.11 UJ	0.5 UJ	0.65 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.16 UJ	0.33 UJ	0.41 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	0.28 UJ	1.5 UJ	2 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.11 UJ	0.21 UJ	0.36 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	1.3 UJ	13 UJ	16 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.57 UJ	0.66 J	1.4 J	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.041 UJ	0.061 UJ	0.06 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.039 UJ	0.24 UJ	0.21 UJ	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	54 J	720 J	920 J	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	2 U	18 J	21 J	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	0.52	2.2	3.5	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	0.36	2.7	3.8	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	0.36	2.7	3.8	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	7.64	8.36	8.39	--	--	7.88	8.24	8.13	--	8.74	8.03	7.9	--	--	8.56
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 UJ	2 U	2 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	--	2.1 U	2.1 U	2 U	2 U
Arsenic	mg/kg	7.1	6.7	5.2	6.2	6	--	4.8	13	10	9	4.8	--	7.7	7.9	5.3	5.1
Barium	mg/kg	150	200 J	110	230	250	--	190	270	150	330	120	--	200	220	140	170
Beryllium	mg/kg	1 U	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U	5.1 U	5.1 U	2 U	--	2.1 U	2.1 U	2 U	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.04	--
Chromium, Hexavalent	mg/kg	0.41 U	--	0.4 U	0.41 U	0.41 U	0.55	0.65	0.41 U	0.41 U	0.41 U	0.4 U	--	2	2	3.3	0.74
Chromium, total	mg/kg	24	27	17	21	20	--	21	32	24	24	26	--	64	64	130	26
Cobalt	mg/kg	7.7	8.1	3.6	6.5	5.7	--	5.6	9.1	8.3	8.3	4.8	--	7.4	6.5	5.8	5.7
Copper	mg/kg	11	16	7	15	13	--	13	15	14	15	9.7	--	20	20	17	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.016 J	--
Lead	mg/kg	3	25	8.2	22	13	--	45	7.6	5.9	8.2	30	--	24	26	11	11
Mercury	mg/kg	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	--	0.1 U	0.1 U	0.1 U	0.1 UJ	0.098 U	--	0.1 U	0.11 U	0.1 UJ	0.1 U
Molybdenum	mg/kg	1.4	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U	5.1 U	5.1 U	2.7	2.3	2.1 U	--	2 U	2 U
Nickel	mg/kg	19	20	8.9	15	15	--	13	20	18	18	9.8	--	18	16	13	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U	5.1 U	5.1 U	2 U	--	2.1 U	2.1 U	2 U	2 U
Thallium	mg/kg	2.1 U	10 U	4 U	4.1 U	4.1 U	--	4 U	10 U	10 U	10 U	4 U	--	4.1 U	4.1 U	4.1 U	4 U
Vanadium	mg/kg	30	41	33	37	33	--	30	43	40	40	19	--	35	32	24	23
Zinc	mg/kg	48	71	28	72	65	--	76	74	75	86	47	--	110	110	62	52
Metals CLP																	
Aluminum	mg/kg	--	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	9000
Calcium	mg/kg	--	27000	--	--	--	--	--	--	--	--	--	--	--	--	--	33000

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2
	SAMPLE	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037
	DATE	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE							Field Duplicate						Field Duplicate				
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Iron	mg/kg	--	26000	--	--	--	--	--	--	--	--	--	--	--	--	--	13000
Magnesium	mg/kg	--	--	--	--	--	8300	--	--	--	--	--	--	--	--	--	8400
Manganese	mg/kg	--	440	--	--	--	--	--	--	--	--	--	--	--	--	--	300
Potassium	mg/kg	--	2400	--	--	--	--	--	--	--	--	--	--	--	--	--	2500
Sodium	mg/kg	--	180	--	--	--	--	--	--	--	--	--	--	--	--	--	430
Pesticides																	
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U
Toxaphene	ug/kg	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1221	ug/kg	--	33 U	--	--	--	--	--	--	--	--	--	--	--	--	--	33 U
Aroclor 1232	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1242	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1248	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1254	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	29
Aroclor 1260	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1262	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1268	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Total PCBs	ug/kg	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	37.5
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
Acenaphthene	ug/kg	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
Anthracene	ug/kg	5.1 U	25 U	25 U	5.1 U	5.1 U	--	12	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	5.9 U	97	150	45	80	--	520	26	5.9 U	5.9 U	50	--	71	110	5.9 U	28
Benzo (a) anthracene	ug/kg	5.1 U	--	80	21	56	50	290	14	5.1 U	5.1 U	27	--	31	52	5.1 U	14
Benzo (a) pyrene	ug/kg	5.1 U	65	110	31	54	--	360	18	5.1 U	5.1 U	35	--	46	68	5.1 U	20
Benzo (b) fluoranthene	ug/kg	5.1 U	98	150	44	52	--	530	24	5.1 U	5.1 U	36	--	49	66	5.1 U	21
Benzo (ghi) perylene	ug/kg	5.1 U	52	74	19	34	--	170	13	5.1 U	5.1 U	21	--	46	60	5.1 U	13
Benzo (k) fluoranthene	ug/kg	5.1 U	41	67	21	57	--	140	10	5.1 U	5.1 U	32	--	54	73	5.1 U	18
Chrysene	ug/kg	5.1 U	88	130	38	67	--	430	21	5.1 U	5.1 U	45	--	60	90	5.1 U	26
Dibenzo (a,h) anthracene	ug/kg	5.1 U	25 U	25 U	5.1	11	--	56	5.1 U	5.1 U	5.1 U	6.7	--	12	19	5.1 U	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2
	SAMPLE	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037
	DATE	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE							Field Duplicate						Field Duplicate				
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	120	190	56	100	--	860	34	5.1 U	5.1 U	67	--	78	400	5.1 U	37
Fluorene	ug/kg	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	49	75	19	33	--	180	13	5.1 U	5.1 U	21	--	44	58	5.1 U	13
Naphthalene	ug/kg	5.1 U	25 U	5.6 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U	5.2 U	5.1 U	5 U
PAH High molecular weight	ug/kg	0	667	1060	307	558	--	3680	177	0	0	352	--	494	1260	0	196
PAH Low molecular weight	ug/kg	0	30	45	14	25	--	192	9.5	0	0	25	--	24	48	0	15
Phenanthrene	ug/kg	5.1 U	30	45	14	25	--	180	9.5	5.1 U	5.1 U	25	--	24	48	5.1 U	15
Pyrene	ug/kg	5.1 U	110	180	53	94	--	660	30	5.1 U	5.1 U	61	--	74	370	5.1 U	34
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	700 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	700 U
2-Chloro naphthalene	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2-Chlorophenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2-Methylphenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2-Nitroaniline	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
2-Nitrophenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	700 U
2,4-Dichlorophenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2,4-Dimethylphenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2,4-Dinitrophenol	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
2,4-Dinitrotoluene	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
2,6-Dinitrotoluene	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
3-Nitroaniline	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
3,3-Dichlorobenzidene	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
4-Bromophenyl phenyl ether	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
4-Chloro-3-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	--	--	1700 U	670 U	680 U	--	660 U	680 U	690 U	--	--	660 U
4-Chloroaniline	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
4-Methylphenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
4-Nitroaniline	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
4-Nitrophenol	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	4100 U	4200 U	4200 U	--	--	4200 U	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	--	1700 U
Acetophenone	ug/kg	--	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	700 U
Atrazine	ug/kg	--	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	700 U
Benzaldehyde	ug/kg	--	1800 U	--	--	--	--	--	--	--	--	--	--	--	--	--	700 U
Benzoic acid	ug/kg	--	4100 U	4200 U	4200 U	--	--	4200 U	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	--	1700 U	1700 U	1700 U	--	--	1700 U	670 U	680 U	--	660 U	680 U	690 U	--	--	660 U
bis (2-chloroethoxy) methane	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Butylbenzylphthalate	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Caprolactam	ug/kg	--	830 U	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Carbazole	ug/kg	--	830 U	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
Di-n-butyl phthalate	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Di-n-octyl phthalate	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Dibenzofuran	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Diethyl phthalate	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Dimethyl phthalate	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Hexachlorobenzene	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Hexachloroethane	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
N-nitrosodiphenylamine	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Pentachlorophenol	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
Phenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2
	SAMPLE	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037
	DATE	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	0	2	5	9	0	2	5	2	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
	SAMPLE TYPE						Field Duplicate						Field Duplicate				
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	101 U	10 U	10 U	--	--	101 U	10 U	10 U	--	10 U	78 J	10 U	--	--	10 U
TPH as gasoline	mg/kg	--	--	1.2 U	1.3 U	--	--	--	1.4 U	1.3 U	--	--	2.4 UJ	1.5 UJ	--	--	--
TPH as motor oil	mg/kg	--	101 U	10 U	16	--	--	101 U	10 U	10 U	--	10 U	71.2	76.5	--	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1-Dichloroethene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1-Dichloropropene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2-Dibromoethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2-Dichlorobenzene	ug/kg	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U
1,2-Dichloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2-Dichloropropane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,3-Dichlorobenzene	ug/kg	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U
1,3-Dichloropropane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
1,4-Dichlorobenzene	ug/kg	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U
1,4-Dioxane	ug/kg	--	830 U	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U
2-Chlorotoluene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
2-Hexanone	ug/kg	--	--	56 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	--	1600 U
2,4,6-Trichlorophenol	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
4-Isopropyltoluene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Acetone	ug/kg	--	--	56 U	71 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	110 U	140 U	--	--	--	120 U	110 U	--	--	230 UJ	140 UJ	--	--	--
Acrylonitrile	ug/kg	--	--	56 U	71 U	--	--	--	62 U	56 U	--	--	120 UJ	69 UJ	--	--	--
Benzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Bromobenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Bromochloromethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Bromodichloromethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Bromoform	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Bromomethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Carbon disulfide	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Carbon tetrachloride	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Chloro methane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Chlorobenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Chloroethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Chloroform	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Cyclohexane	ug/kg	--	--	5.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-1	AOC11c-2
	SAMPLE	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037
	DATE	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/21/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	0	2	5	9	0	2	5	2	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	3	10	0.5
	SAMPLE TYPE						Field Duplicate						Field Duplicate				
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Dibromomethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Ethyl- benzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Hexachlorobutadiene	ug/kg	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ	--	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	660 U
Isophorone	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
Isopropylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Methyl acetate	ug/kg	--	--	5.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	56 U	71 U	--	--	--	62 U	56 U	--	--	120 UJ	69 UJ	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	56 U	71 U	--	--	--	62 U	56 U	--	--	120 UJ	69 UJ	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Methylcyclohexane	ug/kg	--	--	5.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
N-Butylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
N-Propylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Nitrobenzene	ug/kg	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U	340 U	--	330 U
p-Chlorotoluene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
sec-Butylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Styrene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
tert-Butylbenzene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Tetrachloroethene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Toluene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Trichloroethene	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Vinyl chloride	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Xylene, m,p-	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Xylene, o-	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--
Xylenes, total	ug/kg	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1
	SAMPLE	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069
	DATE	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	0	2	5	9	14	19	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	1	3	6	10	15	20	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	0.5	3	6	10	15	20	10	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	520 J	22 J	26 J	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	56 J	2.4 J	3.8 UJ	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	4.1 J	0.15 UJ	0.26 UJ	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	2.5 UJ	0.19 UJ	0.22 UJ	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	4.6 J	0.28 UJ	0.13 UJ	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	15 J	0.15 UJ	0.19 UJ	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	1.7 UJ	0.18 UJ	0.34 UJ	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	2 J	0.16 UJ	0.14 UJ	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	1.3 J	0.28 UJ	0.14 UJ	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	6.4 J	0.14 UJ	0.4 UJ	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	0.38 UJ	0.22 UJ	0.26 UJ	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	110 UJ	5.7 UJ	20 UJ	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	1 UJ	0.24 UJ	0.15 UJ	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	0.19 UJ	0.12 UJ	0.031 UJ	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	0.81 J	0.19 UJ	0.14 UJ	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	4800 J	510 J	230 J	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	180 J	3.7 J	3.1 J	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	12	0.79	1.4	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	18	0.93	1.6	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	18	0.93	1.6	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	7.92	7.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Arsenic	mg/kg	7.6	6.6	6.3	4.3	4.3	2.9	3.6	3.6	3.5	3.3	2.4	3.4	--	3.6	4.3	6.9
Barium	mg/kg	220	190	160	38	53	53	89 J	58	39	70 J	240	270	--	75	91	160
Beryllium	mg/kg	2.1 U	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U
Cadmium	mg/kg	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.7	1.3	2.1	0.67 J	0.21 UJ	0.2 UJ	0.38	0.2 U	0.2 U	0.2 U	0.25	0.2 U	--	0.4 U	0.4 U	1.1
Chromium, total	mg/kg	81	56	70	18	17	27	16	12	13	18	21	17	--	12	16	37
Cobalt	mg/kg	6.8	6	6.2	7.7	8.1	10	5.4	6.2	7.4	8.4	7.8	6.8	--	3.3	4.4	6.1
Copper	mg/kg	21	16	16	8.4	9.7	14	7.4	9.2	8.9	8.4	7.8	8.1	--	5.2	11	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	28	18	10	2.2	1.6	1 U	3.1	1.8	2.5	1.7	1 U	1.1	--	6.8	5.5	11
Mercury	mg/kg	0.11 U	0.11 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 UJ	0.1 UJ
Molybdenum	mg/kg	2.7	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2.9
Nickel	mg/kg	16	14	14	15	12	19	11	10	12	13	12	10	--	6.8	8.6	14
Selenium	mg/kg	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	2.1 U	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	2 U
Thallium	mg/kg	4.3 U	4.2 U	4 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	4.1 U
Vanadium	mg/kg	32	27	27	33	36	42	21	29	35	36	32	30	--	14	17	25
Zinc	mg/kg	130	93	70	42	42	39	31	34	62	67	38	37	--	23	30	57
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1
	SAMPLE	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069
	DATE	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	0	2	5	9	14	19	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	1	3	6	10	15	20	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	0.5	3	6	10	15	20	10	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Aldrin	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
beta-BHC	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
delta-BHC	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
Dieldrin	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Endrin	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
Heptachlor	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5.3 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--
Toxaphene	ug/kg	--	--	--	53 U	52 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1221	ug/kg	35 UJ	--	--	35 U	34 U	34 U	34 U	34 U	34 U	--	34 U	34 U	33 U	--	--	--
Aroclor 1232	ug/kg	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	190 J	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1260	ug/kg	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	18 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	18 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	199	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Acenaphthene	ug/kg	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Anthracene	ug/kg	5.4 U	7.3	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	170	140	35	21	6 U	5.9 U	6.4	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	--	5.8	5.8	5.9
Benzo (a) anthracene	ug/kg	75	77	17	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	110	89	23	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	99	82	23	5.3 U	5.2 U	5.1 U	6.9	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	98	73	20	15	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	140	120 J	30	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Chrysene	ug/kg	140	120	31	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	28	24	5.7	16	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1
	SAMPLE	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069
	DATE	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	0	2	5	9	14	19	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	1	3	6	10	15	20	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	0.5	3	6	10	15	20	10	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Fluoranthene	ug/kg	180	170	40	5.3 U	5.2 U	5.1 U	5.5	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1	6	5.7
Fluorene	ug/kg	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	95	69	18	18	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Naphthalene	ug/kg	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
PAH High molecular weight	ug/kg	1140	984	245	49	0	0	17.9	0	0	0	0	0	--	15.4	12	11
PAH Low molecular weight	ug/kg	61	78.3	12	0	0	0	0	0	0	0	0	0	--	0	0	0
Phenanthrene	ug/kg	61	71	12	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U	5.1 U
Pyrene	ug/kg	170	160	37	5.3 U	5.2 U	5.1 U	5.5	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.3	6	5.3
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	710 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1800 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1800 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	710 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1
	SAMPLE	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069
	DATE	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	0	2	5	9	14	19	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	1	3	6	10	15	20	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	0.5	3	6	10	15	20	10	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	2.3 UJ	1.5 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	79.2	43.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	160 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	320 UJ	140 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	160 UJ	69 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	16 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1
	SAMPLE	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069
	DATE	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016	1/28/2016	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	0	2	5	9	14	19	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	1	3	6	10	15	20	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	0.5	3	6	10	15	20	10	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	16 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	160 UJ	69 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	160 UJ	69 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	16 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	350 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2
	SAMPLE	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5	0	9	0	2.5	5.5	9.5	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	180 J	20 J	8.8 J	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	15 J	2.9 J	1.2 J	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	3.1 J	0.25 UJ	0.11 UJ	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	1 UJ	0.11 UJ	0.059 UJ	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	1.2 J	0.22 UJ	0.25 UJ	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	6.6 J	0.64 J	0.33 UJ	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	1.4 J	0.11 UJ	0.13 UJ	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	1.8 J	0.1 UJ	0.13 UJ	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	0.44 J	0.059 UJ	0.056 UJ	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	4.8 J	0.53 UJ	0.4 J	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	0.27 UJ	0.13 UJ	0.069 UJ	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	19 UJ	2.5 UJ	1.3 UJ	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	0.73 J	0.062 UJ	0.099 UJ	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	0.078 UJ	0.047 UJ	0.032 UJ	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	0.42 UJ	0.11 UJ	0.036 UJ	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	1800 J	210 J	81 J	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	38 J	4.7 J	2.2 J	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	5.2	0.42	0.3	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	7.2	0.63	0.36	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	7.2	0.63	0.36	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.06	8.7	8.91	--	--	7.94	8.3	7.87	--	8.05	7.72
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	5.8	3.5	3.6	3.6	3.4	9.5	4.5	5.9	--	8.6	5.8	3.4	4	4.6	4.8	--
Barium	mg/kg	110	71	77	100	98	310 J	86	94	--	180	180	110	100	110	140	88
Beryllium	mg/kg	2 U	1 U	1 U	1 U	1 U	--	1 U	2.1 U	2 U	2.1 U	2 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.011
Chromium, Hexavalent	mg/kg	0.41 U	0.4 U	0.4 U	7.8	2.1	0.68	0.41 U	0.42 U	--	0.66	0.96	3.2	0.96	3.2	1.4	3.8
Chromium, total	mg/kg	19	14	16	32	73	--	24	29	33	28	43	92	48	84	37	130
Cobalt	mg/kg	5.9	3.4	3.9	4.2	3.4	--	9	8.4	8.6	7.1	5.4	5.8	5.8	4.6	5.1	--
Copper	mg/kg	6.2	4.9	4.9	11	30	--	12	12	20	11	10	41	17	31	12	19
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0044 J
Lead	mg/kg	5	8	6.5	8.9	8.6	16	4.8	5	--	9.3	10	9	6.4	13	28	11
Mercury	mg/kg	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.098 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.099 U
Molybdenum	mg/kg	2 U	1 U	1 U	1 U	1 U	--	1.2	2.1 U	2 U	2.1 U	2 U	1 U	1 U	1 U	1.1	--
Nickel	mg/kg	12	6.6	7.5	9.2	7.7	--	17	21	19	16	11	12	12	9.8	11	--
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	2 U	1 U	1 U	1 U	1 U	--	1 U	2.1 U	2 U	2.1 U	2 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	4.1 U	2 U	2 U	2 U	2.1 U	--	2.1 U	4.1 U	4 U	4.1 U	4 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	21	14	16	18	15	--	32	39	44	31	22	26	28	20	24	--
Zinc	mg/kg	31	25	30	54	290	--	48	52	76	49	54	170	59	140	160	130
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	19000 J	--	--	--	--	--	--	--	--	7900	--
Calcium	mg/kg	--	--	--	--	--	43000 J	--	--	--	--	--	--	--	--	23000	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2
	SAMPLE	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5	0	9	0	2.5	5.5	9.5	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	1 U	--
Iron	mg/kg	--	--	--	--	--	--	--	--	23000	--	--	--	--	--	12000	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	12000	--	--	--	--	--	6400	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	400	--	--	--	--	--	220	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	5300	--	--	--	--	--	2300	--
Sodium	mg/kg	--	--	--	--	--	450	--	--	--	--	--	--	--	--	580 U	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
4,4-DDE	ug/kg	--	--	--	--	--	6.1	--	--	--	--	--	--	--	--	2 U	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
Aldrin	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
alpha-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	--	12 J	--	--	--	--	--	--	--	--	1 U	--
beta-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
delta-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
Dieldrin	ug/kg	--	--	--	--	--	6.7	--	--	--	--	--	--	--	--	2 U	--
Endo sulfan I	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	2 U	--
gamma-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	--	13 J	--	--	--	--	--	--	--	--	1 U	--
Heptachlor	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--	5 U	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	51 U	--	--	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	34 UJ	--	33 U	--	--	--	--	--	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	76	17 UJ	--	--	--	--	--	--	--	190	--
Aroclor 1260	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	240	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 U	17 U
Total PCBs	ug/kg	--	--	--	--	--	84.5	17 U	--	--	--	--	--	--	--	430	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U
Acenaphthene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U
Acenaphthylene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U
Anthracene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U
B(a)P Equivalent	ug/kg	5.9 U	11	61	29	5.9	68	5.9 U	6 U	--	6 U	110	24	10	60	480	--
Benzo (a) anthracene	ug/kg	5.1 U	5 U	34	9	5.1 U	--	5.1 U	5.2 U	31	5.2 U	47	16	5.5	45	440	5 U
Benzo (a) pyrene	ug/kg	5.1 U	6.9	41	18	5.1 U	44	5.1 U	5.2 U	--	5.2 U	67	17	6	35	380	5 U
Benzo (b) fluoranthene	ug/kg	5.1 U	7.3	40	16	5.1 U	46	5.1 U	5.2 U	--	5.2 U	68	18	6.9	49	400	5 U
Benzo (ghi) perylene	ug/kg	5.1 U	6.3	31	17	5.1 U	43	5.1 U	5.2 U	--	5.2 U	61	14	5.4	32	22	5 U
Benzo (k) fluoranthene	ug/kg	5.1 U	8.3	48	21	5.1 U	61 J	5.1 U	5.2 U	--	5.2 U	85 J	22 J	8.1 J	48	380	5 U
Chrysene	ug/kg	5.1 U	8.6	51	16	5.1 U	--	5.1 U	5.2 U	65	5.2 U	91	27	9.1	60	530	5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	9.1	7	5.1 U	12	5.1 U	5.2 U	--	5.2 U	21	5 U	5.1 U	12	6.4	5 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2
	SAMPLE	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5	0	9	0	2.5	5.5	9.5	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	12	69	18	5.9	--	5.1 U	5.2 U	120	5.2 U	130	50	17	87	1500	--
Fluorene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.3	29	17	5.1 U	38	5.1 U	5.2 U	--	5.2 U	56	13	5.1 U	30	20	5 U
Naphthalene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.1 U	--	4.4 U	3.5 U	5.1 U	5.1 U	5 U	5 U	4.6 U	5 U	5	5 U
PAH High molecular weight	ug/kg	0	65.7	418	155	5.9	--	0	0	534	0	756	220	73	476	4880	--
PAH Low molecular weight	ug/kg	0	0	25	8.2	0	--	0	0	36	0	56	26	8.6	43	595	--
Phenanthrene	ug/kg	5.1 U	5 U	25	8.2	5.1 U	--	5.1 U	5.2 U	36	5.2 U	56	26	8.6	43	590	--
Pyrene	ug/kg	5.1 U	11	66	16	5.1 U	--	5.1 U	5.2 U	100	5.2 U	130	43	15	78	1200	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	700 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	700 U	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	700 U	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	680 U	680 U	670 U	680 U	660 U	670 U	680 U	680 U	660 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	700 U	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	700 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	700 U	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	680 U	680 U	670 U	680 U	660 U	670 U	680 U	680 U	660 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	330 U	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2
	SAMPLE	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5	0	9	0	2.5	5.5	9.5	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	10 U	10 U	10 U	--	10 UJ	10 U	10 U	10 U	10 UJ	13.8	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	1 U	0.96 U	--	0.92 U	--	0.99 U	1.1 U	0.93 U	--	0.9 UJ
TPH as motor oil	mg/kg	--	--	--	--	--	--	10 U	10 U	15.4	10 UJ	11.7	42.2 J	23.6	17.7 J	166	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	44 U	--	--	--	--	--	--	--	--	51 U
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Acetone	ug/kg	--	--	--	--	--	--	44 U	--	--	--	--	--	--	--	--	51 U
Acrolein	ug/kg	--	--	--	--	--	--	87 U	70 U	--	100 U	--	110 U	92 U	100 U	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	44 U	35 U	--	51 U	--	54 U	46 U	50 U	--	--
Benzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Bromoform	ug/kg	--	--	--	--	--	--	4.4 UJ	3.5 UJ	--	5.1 UJ	--	5.4 UJ	4.6 UJ	5 UJ	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Chloroform	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	4.4 U	--	--	--	--	--	--	--	--	4.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2
	SAMPLE	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051
	DATE	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2.5	5	0	9	0	2.5	5.5	9.5	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U	5.4 U	4.6 U	5 U	330 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	670 U	--	--	--	--	--	660 U	--
Isophorone	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	4.4 U	--	--	--	--	--	--	--	--	17
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	44 U	35 U	--	51 U	--	54 U	46 U	50 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	44 U	35 U	--	51 U	--	54 U	46 U	50 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	4.4 U	--	--	--	--	--	--	--	--	4.2 U
Methylene chloride	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U	330 U	340 U	340 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Styrene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Toluene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--	5.4 U	4.6 U	5 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5
	SAMPLE	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167
	DATE	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016
SAMPLE TOP DEPTH (FT)		5	9	2	0	2	5	9	13	0	0	2	5	14	14	19	29
SAMPLE BOTTOM DEPTH (FT)		6	10	3	1	3	6	10	14	1	1	3	6	15	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	0.5	3	6	10	14	0.5	0.5	3	6	15	15	20	30
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	240 J	110 J	54 J	76 J	--	--	470 J	19000 J	6900 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	21 J	14 J	5.7 J	7.2 J	--	--	39 J	5000 J	920 J	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	2.4 UJ	1.4 UJ	0.25 UJ	0.86 UJ	--	--	4 J	110 J	27 J	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	1.4 UJ	1.1 UJ	0.33 UJ	0.39 UJ	--	--	1.4 UJ	130 J	29 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	2 J	0.9 UJ	0.33 UJ	0.88 UJ	--	--	3 UJ	390 J	76 J	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	7.8 J	2.9 UJ	0.25 UJ	2.3 UJ	--	--	14 J	680 J	160 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	1.9 UJ	0.73 UJ	0.32 UJ	0.66 UJ	--	--	1.8 UJ	73 J	14 UJ	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	1.6 UJ	1.3 UJ	0.29 UJ	0.79 UJ	--	--	2.5 UJ	53 J	17 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.87 UJ	0.4 UJ	0.25 UJ	0.22 UJ	--	--	0.46 UJ	14 J	4 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	5 J	0.71 UJ	1.1 UJ	1.8 J	--	--	6.3 J	180 J	54 J	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	0.79 UJ	0.42 UJ	0.38 UJ	0.45 UJ	--	--	0.34 UJ	22 J	9.2 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	31 UJ	14 UJ	9.2 UJ	11 UJ	--	--	80 UJ	8900 UJ	2000 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	1.5 J	0.3 UJ	0.6 UJ	0.4 UJ	--	--	0.48 UJ	25 J	4.9 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	0.43 UJ	0.14 UJ	0.074 UJ	0.1 UJ	--	--	0.15 UJ	0.45 UJ	0.25 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	0.31 UJ	0.14 UJ	0.17 UJ	0.15 UJ	--	--	0.32 UJ	3 J	1.1 UJ	--	--	--	--
OCDD	ng/kg	--	--	--	1800 J	830 J	430 J	570 J	--	--	3200 J	220000 J	82000 J	--	--	--	--
OCDF	ng/kg	--	--	--	39 J	17 J	9.8 J	13 J	--	--	100 J	30000 J	3200 J	--	--	--	--
TEQ Avian	ng/kg	--	--	--	5.8	2.2	1.3	1.8	--	--	8.1	680	160	--	--	--	--
TEQ Human	ng/kg	--	--	--	7.8	3.3	1.6	2.5	--	--	14	940	250	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	7.8	3.3	1.6	2.5	--	--	14	940	250	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	7.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	--	2 U	2 U	2.2 U	2.1 U	2 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	3.3	5.2	3.3	3.8	3.6	4.9	4.5	4	--	4.8	2.7	2.7	1.8	2.7	2.2	2.3
Barium	mg/kg	100	100	--	80 J	110	180	170	120	--	58	51	45	36	93 J	60	30
Beryllium	mg/kg	1 U	2.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.3	0.44 U	--	2.3 J	0.2 U	0.22 U	0.21 U	0.2 U	--	1.2	2.1	0.74	0.2 U	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	98	36	--	--	11	19	12	11	17	16	32	27	17	34 J	40	18
Cobalt	mg/kg	4.7	8.6	3.5	--	4.1	5.4	4.7	3.9	3.7	4.1	4.2	3.4	8	11	11	8
Copper	mg/kg	30	19	--	--	6.7	7.5	6.9	5.9	6.5	7.4	9	22	22	21 J	16	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	9.6	4.6	--	5.9	3.6	4.5	4.4	3.3	--	4.3	7	3.5	1.7	2	2.4	1.7
Mercury	mg/kg	0.1 U	0.11 UJ	--	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.3	2.1 U	2.9	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1.5	1.1 U
Nickel	mg/kg	9.3	19	7.3	--	7.3	12	8.9	7.3	6.5	9.1	7.2	6.8	15	25 J	19	14
Selenium	mg/kg	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 UJ	1 U	1.1 U
Silver	mg/kg	1 U	2.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Thallium	mg/kg	2 U	4.2 U	--	2 U	2 U	2.2 U	2.1 U	2 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	20	38	15	17	19	26	22	18	--	20	16	15	34	41 J	35	30
Zinc	mg/kg	150	53	--	--	21	29	25	35	27	33	42	76	35	48 J	38	34
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5
	SAMPLE	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167
	DATE	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016
SAMPLE TOP DEPTH (FT)		5	9	2	0	2	5	9	13	0	0	2	5	14	14	19	29
SAMPLE BOTTOM DEPTH (FT)		6	10	3	1	3	6	10	14	1	1	3	6	15	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	0.5	3	6	10	14	0.5	0.5	3	6	15	15	20	30
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
4,4-DDE	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
4,4-DDT	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
Aldrin	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
alpha-BHC	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
alpha-Chlordane	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
beta-BHC	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
delta-BHC	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Dieldrin	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Endo sulfan II	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
Endrin	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
Endrin aldehyde	ug/kg	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
gamma-Chlordane	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Heptachlor	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U
Methoxy chlor	ug/kg	--	--	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Toxaphene	ug/kg	--	--	--	51 U	51 U	56 U	52 U	51 U	--	51 U	52 U	53 U	51 U	54 U	52 U	53 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	35 U	--	34 U	34 U	37 U	34 U	34 U	--	34 U	34 U	35 U	34 U	35 U	34 U	35 U
Aroclor 1232	ug/kg	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	18	17 U	26	--	38	18 U	17 U	17 U	30	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	26.5	17 U	34.5	--	46.5	18 U	17 U	17 U	38.5	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Acenaphthene	ug/kg	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Anthracene	ug/kg	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	6.2	6.1 U	6.4	62	100	65	60	57 U	--	15	6.5	6.1 U	5.9 U	6.2 U	6 U	6.1 U
Benzo (a) anthracene	ug/kg	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	5.1 U	--	7.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	5.1 U	5.3 U	--	51 U	61	56 U	52 U	51 U	--	9.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5.6	5.3 U	--	58	100	56 U	52 U	51 U	--	16	7.3	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U	--	8.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.3 U	--	51 U	51	56 U	52 U	51 U	--	6.8	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Chrysene	ug/kg	5.6	5.3 U	--	51 U	61	56 U	52 U	5.1 U	--	11	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5
	SAMPLE	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167
	DATE	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016
SAMPLE TOP DEPTH (FT)		5	9	2	0	2	5	9	13	0	0	2	5	14	14	19	29
SAMPLE BOTTOM DEPTH (FT)		6	10	3	1	3	6	10	14	1	1	3	6	15	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	0.5	3	6	10	14	0.5	0.5	3	6	15	15	20	30
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Fluoranthene	ug/kg	10	5.3 U	10	--	79 J	13 J	16 J	5.1 U	42 J	15	8.4	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Fluorene	ug/kg	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U	--	7.5	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Naphthalene	ug/kg	4.5 U	4 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
PAH High molecular weight	ug/kg	29.4	0	21	124	427	26	31	0	--	95.8	22.7	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	6	15	19	0	0	0	--	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.3 U	6	15 J	19 J	5.6 U	5.2 U	5.1 U	--	5.1 U	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Pyrene	ug/kg	8.2	5.3 U	11	--	75 J	13 J	15 J	5.1 U	35 J	14	7	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5
	SAMPLE	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167
	DATE	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016
SAMPLE TOP DEPTH (FT)		5	9	2	0	2	5	9	13	0	0	2	5	14	14	19	29
SAMPLE BOTTOM DEPTH (FT)		6	10	3	1	3	6	10	14	1	1	3	6	15	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	0.5	3	6	10	14	0.5	0.5	3	6	15	15	20	30
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	15.6	10 UJ	10.1	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1 UJ	0.79 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	105	10 UJ	544	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	45 U	40 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	91 U	79 U	99 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	45 U	40 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	4.5 UJ	4 UJ	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5
	SAMPLE	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167
	DATE	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016
SAMPLE TOP DEPTH (FT)		5	9	2	0	2	5	9	13	0	0	2	5	14	14	19	29
SAMPLE BOTTOM DEPTH (FT)		6	10	3	1	3	6	10	14	1	1	3	6	15	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	3	0.5	3	6	10	14	0.5	0.5	3	6	15	15	20	30
SAMPLE TYPE				Field Duplicate						Field Duplicate							
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	45 U	40 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	45 U	40 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	350 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	4.5 U	4 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1
	SAMPLE	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081
	DATE	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		39	49	59	69	0	0	2.5	5.5	9.5	0	2.5	5.5	9.5	5.5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	1	0.5	3	6	10	0.5	3	6	10	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	0.5	0.5	3	6	10	0.5	3	6	10	6	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	49 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	3.5 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	0.3 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	1.6 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	0.7 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	1.6 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	0.63 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	4.6 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	0.97 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	0.54 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	24 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	2.6 J	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.093 UJ	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	10 J	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	230 J	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	5.5 UJ	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	4.5	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	4.5	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	7.7	--	--	--	--	--	--	--	--	--	8	7.8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	--	--
Arsenic	mg/kg	3.8	2	3.1	4.7	4.6	4.6	4.6	4.6	4.7	4.5	6.6	--	4.5	4.8	--	--
Barium	mg/kg	37	55	54	28	130	96 J	87	110	100	120	110	100	100	--	--	--
Beryllium	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1.1 U	1 U	--	--
Cadmium	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.21 U	0.22 U	16	0.7	0.41 U	0.41 U	0.41 U	1.4	0.44	--	0.5	0.47	--	--
Chromium, total	mg/kg	30	17	25	24	320	20	21	9.2	10	28	21	27	21	--	--	--
Cobalt	mg/kg	9.1	8.9	10	8.5	4.9	3.9	4.5	3.8	3.2	4.3	6.2	--	7.4	6.3	--	--
Copper	mg/kg	8.3	11	12	12	12	8.7	7.7	5.1	10	8.1	9.7	--	11	10	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	1.4	2	2.8	8.4	8.6	4.8	5.2	5.4	9.5	7.4	5.5	3.8	--	--	--
Mercury	mg/kg	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	--	0.11 UJ	0.1 UJ	--	--
Molybdenum	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1.6	1 U	1 U	1 U	1 U	1 U	2 U	--	1.1 U	1 U	--	--
Nickel	mg/kg	21	12	20	22	9.6	8.7	8.3	6	6.3	8.7	13	--	15	13	--	--
Selenium	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	--	--
Silver	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1.1 U	1 U	--	--
Thallium	mg/kg	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	4.1 U	2 U	2.1 U	--	--	--
Vanadium	mg/kg	36	31	41	41	18	18	20	16	15	17	24	--	34	28	--	--
Zinc	mg/kg	38	36	45	47	37	35 J	27	20	19	39	35	--	37	39	--	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	45000	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1
	SAMPLE	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081
	DATE	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		39	49	59	69	0	0	2.5	5.5	9.5	0	2.5	5.5	9.5	5.5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	1	0.5	3	6	10	0.5	3	6	10	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	0.5	0.5	3	6	10	0.5	3	6	10	6	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	14000	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	10000	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	260	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2400	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	4300	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	54 U	51 U	53 U	55 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	35 U	34 U	35 U	37 U	--	33 U	33 U	33 U	34 U	33 U	34 U	--	35 U	34 U	33 U	33 U
Aroclor 1232	ug/kg	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	18 U	17 U	18 U	18 U	--	30	17 U	17 U	17 U	40	17 U	--	18 U	30	140	190
Aroclor 1260	ug/kg	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	--	18 U	17 U	--	--
Total PCBs	ug/kg	18 U	17 U	18 U	18 U	--	38.5	17 U	17 U	17 U	48.5	17 U	--	18 U	38.5	149	199
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U
2-Methyl naphthalene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	100 U	50 U
Acenaphthene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U
Acenaphthylene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U
Anthracene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U
B(a)P Equivalent	ug/kg	6.2 U	5.9 U	6.1 U	6.4 U	5.9 R	39	5.9 U	5.9 U	5.9 U	36	5.9 U	--	6.2 U	17	340	56
Benzo (a) anthracene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	16	5.1 U	5.1 U	5.1 U	14	5.1 U	--	5.4 U	13	120	20
Benzo (a) pyrene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	25	5.1 U	5.1 U	5.1 U	23	5.1 U	--	5.4 U	11	240	40
Benzo (b) fluoranthene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	34	5.1 U	5.1 U	5.1 U	29	5.1 U	--	5.4 U	16	300	55
Benzo (ghi) perylene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	25	5.1 U	5.1 U	5.1 U	24	5.1 U	--	5.4 U	7.7	170	26
Benzo (k) fluoranthene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	27	5.1 U	5.1 U	5.1 U	26	5.1 U	--	5.4 U	12	10 U	5 U
Chrysene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	36	5.1 U	5.1 U	5.1 U	31	5.1 U	--	5.4 U	20	200	31
Dibenzo (a,h) anthracene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	6.6	5.1 U	5.1 U	5.1 U	6.7	5.1 U	5.1 U	5.4 U	--	42	6.4

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1
	SAMPLE	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081
	DATE	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		39	49	59	69	0	0	2.5	5.5	9.5	0	2.5	5.5	9.5	5.5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	1	0.5	3	6	10	0.5	3	6	10	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	0.5	0.5	3	6	10	0.5	3	6	10	6	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	53	5.1 U	5.1 U	5.1 U	44	5.1 U	--	5.4 U	38 J	300	40
Fluorene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	23	5.1 U	5.1 U	5.1 U	21	5.1 U	--	5.4 U	7.3	150	23
Naphthalene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	4.5 U	3.9 U	4.3 U	5 U	4.5 U	4.7 U	4.7 U	--	100 U	9.5 U
PAH High molecular weight	ug/kg	0	0	0	0	0 R	295	0	0	0	261	0	--	0	156	1810	278
PAH Low molecular weight	ug/kg	0	0	0	0	0 R	19	0	0	0	16	0	--	0	28	65	7.4
Phenanthrene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	19	5.1 U	5.1 U	5.1 U	16	5.1 U	--	5.4 U	28 J	65	7.4
Pyrene	ug/kg	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	49	5.1 U	5.1 U	5.1 U	42	5.1 U	--	5.4 U	31 J	290	37
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	3300 U	1700 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	1300 U	660 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	670 U	660 U	670 U	670 U	710 U	--	1300 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	1300 U	660 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	3300 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	3300 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	670 U	660 U	670 U	670 U	710 U	--	1300 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U
Phenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1
	SAMPLE	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081
	DATE	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		39	49	59	69	0	0	2.5	5.5	9.5	0	2.5	5.5	9.5	5.5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	1	0.5	3	6	10	0.5	3	6	10	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	0.5	0.5	3	6	10	0.5	3	6	10	6	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	--	10 J	10 UJ	75	20
TPH as gasoline	mg/kg	--	--	--	--	--	--	0.91 U	0.97 U	0.97 U	--	1 U	0.84 U	1.1 UJ	--	--	1.7 U
TPH as motor oil	mg/kg	--	--	--	--	--	10 UJ	10 UJ	10.5 J	10 UJ	10 UJ	10 UJ	--	10 UJ	10 UJ	340	65
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 UJ
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	660 U	330 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Acetone	ug/kg	--	--	--	--	--	--	45 U	39 U	43 U	--	45 U	47 U	--	--	--	95 U
Acrolein	ug/kg	--	--	--	--	--	--	90 U	78 U	86 U	--	91 U	93 U	94 U	--	--	190 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	45 U	39 U	43 U	--	45 U	47 U	47 U	--	--	95 U
Benzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Bromoform	ug/kg	--	--	--	--	--	--	4.5 UJ	3.9 UJ	4.3 UJ	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Bromomethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Chloro methane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Chloroethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Chloroform	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1
	SAMPLE	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081
	DATE	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		39	49	59	69	0	0	2.5	5.5	9.5	0	2.5	5.5	9.5	5.5	0	2.5
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	1	0.5	3	6	10	0.5	3	6	10	6	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	0.5	0.5	3	6	10	0.5	3	6	10	6	0.5	3
SAMPLE TYPE													Field Duplicate				
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Dibromomethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U	330 U	4.5 U	4.7 U	4.7 U	--	1300 U	9.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	45 U	39 U	43 U	--	45 U	47 U	47 U	--	--	95 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	45 U	39 U	43 U	--	45 U	47 U	47 U	--	--	95 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Nitrobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	--	350 U	340 U	660 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Styrene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Toluene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Trichloroethene	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Xylene, o-	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U
Xylenes, total	ug/kg	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5.5	8.5	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	7.8	7.8	7.97	9.93	8.31	8.98	8.86	9.61	8.34	9.12	8.47	9.28	7.88	9.2	8.52	8.23
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2 UJ	2 U	2 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	--	8.3	3.6	3.7	7	8.4	4.4	4.9	4.9	5.8	5.4	4.9	6	5.1	6.5	4.7
Barium	mg/kg	--	220	79	14	240	110	58	25	81	88	110 J	150	120	140	160	93
Beryllium	mg/kg	--	1 U	1 U	1 U	2 U	1 U	1 U	1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.4 UJ	0.42 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.42 U	0.42 U	0.41 U	0.41 U	0.42 U	0.43 U	0.42 U	0.42 U
Chromium, total	mg/kg	--	26	13	4.9	22	17	13	15	26	26	28	25	25	23	27	22
Cobalt	mg/kg	--	9.6	3.4	1.6	7.8	6.7	6.6	6.9	14	9.6	8.4	9.3	8.7	8.4	9.4	7.8
Copper	mg/kg	--	11	5.6	2 U	12	8.6	9	7.8	18	14	13	11	9.6	13	12	9.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	4.1	8.3	2.4	3.8	3.9	3.1	3.5	4.5	4.9	7.1	4	4	5.7	6.4	3.9
Mercury	mg/kg	--	0.1 UJ	0.098 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	--	7.1	1 U	1 U	2 U	1 U	1	1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Nickel	mg/kg	--	18	6.9	2.7	17	13	10	12	20	20	18	18	18	19	19	16
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	2 U	1 U	1 U	1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Thallium	mg/kg	--	2 U	2 U	2 U	4.1 U	2.1 U	2 U	2 U	4.1 U	4.2 U	4 U	4.1 U	4.2 U	4.1 U	4.1 U	4.1 U
Vanadium	mg/kg	--	45	19	13	32	36	28	32	41	42	38	39	39	36	40	35
Zinc	mg/kg	--	61	26	9	51	42	39	44	57	58	77	51	50	49	57	45
Metals CLP																	
Aluminum	mg/kg	--	--	4500	--	--	--	--	--	--	--	12000	--	--	--	--	--
Calcium	mg/kg	--	--	10000 J	--	--	--	--	--	--	--	31000	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
	SAMPLE TOP DEPTH (FT)	5.5	8.5	0	2	7	7	6	7	2	2	0	2	10	2	3	10
	SAMPLE BOTTOM DEPTH (FT)	6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE																
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Iron	mg/kg	--	--	9900 J	--	--	--	--	--	--	--	23000	--	--	--	--	--
Magnesium	mg/kg	--	--	3000 J	--	--	--	--	--	--	--	8300	--	--	--	--	--
Manganese	mg/kg	--	--	130	--	--	--	--	--	--	--	290	--	--	--	--	--
Potassium	mg/kg	--	--	1300	--	--	--	--	--	--	--	2700	--	--	--	--	--
Sodium	mg/kg	--	--	210	--	--	--	--	--	--	--	340	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	--	--	51 U	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1221	ug/kg	33 U	33 U	33 U	33 UJ	--	--	--	--	--	--	33 U	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	31	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	17 UJ	--	--	--	--	--	--	17 U	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	31	8.5 U	--	--	--	--	--	--	8.5 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	50 U	50 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Anthracene	ug/kg	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	6	6.1	19	5.8 U	5.9 U	6 U	5.9 U	5.9 U	6 U	6	5.9	6 U	6 U	16	61	6 U
Benzo (a) anthracene	ug/kg	5 U	5 U	7.3	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	8.1	30	5.2 U
Benzo (a) pyrene	ug/kg	5 U	5 U	13	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	11	39	5.2 U
Benzo (b) fluoranthene	ug/kg	5	5.4	14	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	9.9	45	5.2 U
Benzo (ghi) perylene	ug/kg	5 U	5 U	12	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	10	35	5.2 U
Benzo (k) fluoranthene	ug/kg	5 U	5 U	20 J	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	14	45	5.2 U
Chrysene	ug/kg	5 U	5 U	20	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	13	49	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	11	5.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5.5	8.5	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE																
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5 U	29	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	6.5	5.7	5.2 U	5.2 U	16	61	5.2 U
Fluorene	ug/kg	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	11	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	9.3	32	5.2 U
Naphthalene	ug/kg	8.9 U	6.8 U	5 U	4.1 U	4.2 U	5.2 U	4.4 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	4.3 U	5 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	5	5.4	154	0	0	0	0	0	0	6.5	5.7	0	0	107	407	0
PAH Low molecular weight	ug/kg	0	0	9.4	0	0	0	0	0	0	0	0	0	0	0	14	0
Phenanthrene	ug/kg	5 U	5 U	9.4	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	14	5.2 U
Pyrene	ug/kg	5 U	5 U	28	5 U	5.1 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	16	60	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1600 UJ	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	660 U	660 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	660 U	660 U	660 U	680 U	680 U	670 U	670 U	680 U	690 U	670 U	680 U	690 U	680 U	680 U	680 U
4-Chloroaniline	ug/kg	660 U	660 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	660 U	660 U	660 U	680 U	680 U	670 U	670 U	680 U	690 U	670 U	680 U	690 U	680 U	680 U	680 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	330 UJ	--	--	--	--	--	--	--	330 UJ	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
	SAMPLE TOP DEPTH (FT)	5.5	8.5	0	2	7	7	6	7	2	2	0	2	10	2	3	10
	SAMPLE BOTTOM DEPTH (FT)	6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE																
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.6 U	1.7 U	--	1.1 U	1.1 U	0.97 U	1 UJ	0.84 U	1.2 U	160 U	--	1 U	1.2 U	1 U	--	0.98 U
TPH as motor oil	mg/kg	31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22.5	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1-Dichloroethene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1-Dichloropropene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,1-Trichloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,1,2-Tetrachloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,2-Trichloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,1,2,2-Tetrachloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dibromo-3-chloropropane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dibromoethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dichlorobenzene	ug/kg	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dichloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2-Dichloropropane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,3-Trichlorobenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,3-Trichloropropane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,4-Trichlorobenzene	ug/kg	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,2,4-Trimethylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,3-Dichlorobenzene	ug/kg	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,3-Dichloropropane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,3,5-Trimethylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,4-Dichlorobenzene	ug/kg	8.9 U	6.8 U	330 U	4.1 UJ	4.2 UJ	5.6 UJ	4.4 UJ	5.1 UJ	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
2-Hexanone	ug/kg	--	--	--	41 U	--	--	--	--	--	--	--	65 U	--	--	--	--
2,2-Dichloropropane	ug/kg	8.9 UJ	6.8 UJ	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Acetone	ug/kg	89 U	68 U	--	41 U	42 U	--	44 U	--	51 U	63 U	--	65 UJ	--	--	56 U	54 UJ
Acrolein	ug/kg	180 U	140 U	--	81 U	84 U	110 U	89 U	100 U	100 U	130 U	--	130 UJ	86 U	99 UJ	110 U	110 UJ
Acrylonitrile	ug/kg	89 U	68 U	--	41 U	42 U	56 U	44 U	51 U	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U
Benzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Bromobenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromochloromethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromodichloromethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromoform	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Bromomethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Carbon disulfide	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Carbon tetrachloride	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chloro methane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chlorobenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chloroethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Chloroform	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
cis-1,2-Dichloroethene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
cis-1,3-Dichloropropene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Cyclohexane	ug/kg	--	--	--	4.1 U	--	--	--	--	--	--	--	6.5 U	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b
	SAMPLE	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017
	DATE	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		5.5	8.5	0	2	7	7	6	7	2	2	0	2	10	2	3	10
SAMPLE BOTTOM DEPTH (FT)		6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	9	0.5	3	8	8	7	8	3	3	0.5	3	11	3	4	11
	SAMPLE TYPE																
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Dibromomethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Dichlorodifluoromethane	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Ethyl- benzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Hexachlorobutadiene	ug/kg	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	--	--	670 U	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Methyl acetate	ug/kg	--	--	--	4.1 U	--	--	--	--	--	--	--	6.5 U	--	--	--	--
Methyl ethyl ketone	ug/kg	89 U	68 U	--	41 U	42 U	56 U	44 U	51 U	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U
Methyl isobutyl ketone	ug/kg	89 U	68 U	--	41 U	42 U	56 U	44 U	51 U	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U
Methyl tert-butyl ether (MTBE)	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Methylcyclohexane	ug/kg	--	--	--	4.1 U	--	--	--	--	--	--	--	6.5 U	--	--	--	--
Methylene chloride	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
N-Butylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
N-Propylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
sec-Butylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Styrene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
tert-Butylbenzene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Tetrachloroethene	ug/kg	8.9 U	6.8 U	--	4.1 UJ	4.2 UJ	5.6 UJ	4.4 UJ	5.1 UJ	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Toluene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
trans-1,2-Dichloroethene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
trans-1,3-Dichloropropene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Trichloroethene	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Vinyl chloride	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Xylene, m,p-	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Xylene, o-	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U
Xylenes, total	ug/kg	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	0	2	5	9	14	5	5
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
	SAMPLE TYPE	Field Duplicate														Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.25	--	9.25	7.76	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U
Arsenic	mg/kg	5	--	4.2	4.8	4.8	4.8	2.2	2.3	2.7	3.6	2.9	3.3	5	7.1	--	5.5
Barium	mg/kg	--	150	67	84	190 J	220	180	160	140	69	65	110	81	110	--	140
Beryllium	mg/kg	--	2.1 U	1.1 U	2.1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	--	1 U
Cadmium	mg/kg	1 U	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	--	0.42 U	0.42 U	0.84	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.4 U	--	0.41 U	0.4 U	0.4 U	0.41 U
Chromium, total	mg/kg	23	--	19	21	25	25	27	17	18	10	11	12	11	9.8	--	15
Cobalt	mg/kg	--	7.7	7.2	7.5	7.2	8.4	8.5	7.4	8.6	2.4	2.4	2.9	4.5	4 U	--	5.9
Copper	mg/kg	--	12	10	10	11	8.5	9.5	8.2	12	3.5	3.1	4.6	7.1	8.1 U	--	7.3
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.8	--	3.4	3.9	18	8.7	2.3	2.7	2.1	3.5	2.9	3.4	5.9	2.6	--	4.2
Mercury	mg/kg	--	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	--	2.1 U	1.1 U	2.1 U	2 U	2 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	4 U	--	1
Nickel	mg/kg	--	17	16	16	11	11	12	11	11	4.2	3.9	5.2	8.7	4.6	--	9.9
Selenium	mg/kg	1 U	--	1.1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	--	2.1 U	1.1 U	2.1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	--	1 U
Thallium	mg/kg	--	4.2 U	2.1 U	4.2 U	4 U	4.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.2	8.1 U	--	2 U
Vanadium	mg/kg	36	--	33	34	30	36	34	31	29	13	11	14	21	13	--	28
Zinc	mg/kg	50	--	50	45	70	47	38	34	34	14	14	17	28	13	--	28
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	8700	--	--	--	--	3000	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	48000	--	--	--	--	11000	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	0	2	5	9	14	5	5
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
SAMPLE TYPE		Field Duplicate														Field Duplicate	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	20000	--	--	--	--	6800	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	8500	--	--	--	--	2600	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	270	--	--	--	--	120	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2700	--	--	--	--	690	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	850	--	--	--	--	210	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	5.1 U	--	--	--	--	5 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	51 U	--	--	--	--	50 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	33 U	--	--	--	--	33 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	8.5 U	--	--	--	--	8.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Acenaphthene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Acenaphthylene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Anthracene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
B(a)P Equivalent	ug/kg	6 U	--	6.2 U	6 U	11	5.9 U	5.9 U	5.8 U	5.9 U	5.8 U	5.8 U	5.8 U	5.9 U	5.9 U	--	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.8	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	--	5.4 U	5.2 U	6.1	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5.4 U	5.2 U	8.2	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 U	--	5.4 U	5.2 U	10	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5.4 U	5.2 U	8.1	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Chrysene	ug/kg	5.2 U	--	5.4 U	5.2 U	9.6	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	0	2	5	9	14	5	5
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
	SAMPLE TYPE	Field Duplicate														Field Duplicate	
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.2 U	--	5.4 U	5.2 U	9.2	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Fluorene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.3	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Naphthalene	ug/kg	4.8 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
PAH High molecular weight	ug/kg	--	0	0	0	71.7	0	0	0	0	0	0	0	0	0	--	0
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Phenanthrene	ug/kg	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Pyrene	ug/kg	5.2 U	--	5.4 U	5.2 U	9.4	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	710 U	--	--	--	--	700 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	710 U	--	--	--	--	700 UJ	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2-Chlorophenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2-Methylphenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2-Nitrophenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	710 U	--	--	--	--	700 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2,4-Dimethylphenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2,4-Dinitrotoluene	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
2,6-Dinitrotoluene	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
3,3-Dichlorobenzidene	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
4-Bromophenyl phenyl ether	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
4-Chloro-3-methylphenol	ug/kg	690 U	--	710 U	690 U	670 U	680 U	670 U	660 U	670 U	660 U	660 U	660 U	670 U	670 U	--	670 U
4-Chloroaniline	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
4-Methylphenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Acetophenone	ug/kg	--	--	--	--	710 U	--	--	--	--	700 UJ	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	710 U	--	--	--	--	700 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	710 U	--	--	--	--	700 UJ	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 U	--	1700 U
Benzyl alcohol	ug/kg	690 U	--	710 U	690 U	670 U	680 U	670 U	660 U	670 U	660 U	660 U	660 U	670 U	670 U	--	670 U
bis (2-chloroethoxy) methane	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Butylbenzylphthalate	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Caprolactam	ug/kg	--	--	--	--	330 U	--	--	--	--	330 UJ	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	330 U	--	--	--	--	330 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	1100	--	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Di-n-octyl phthalate	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Dibenzofuran	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Diethyl phthalate	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Dimethyl phthalate	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Hexachlorobenzene	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Hexachloroethane	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
N-nitrosodiphenylamine	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
Phenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	0	2	5	9	14	5	5
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
	SAMPLE TYPE	Field Duplicate														Field Duplicate	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	--	10 U
TPH as gasoline	mg/kg	--	0.82 U	0.9 U	0.86 U	--	1 U	1.2 U	1.3 U	1.3 U	--	0.99 U	0.86 U	1.1 U	0.8 U	--	0.95 U
TPH as motor oil	mg/kg	120 J	--	10 U	10 U	30.8 J	13.5	28.6	10 U	10 U	10 U	10 U	--	10 U	10 UJ	23.3	23
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1-Dichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1-Dichloropropene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1,1-Trichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1,1,2-Tetrachloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1,2-Trichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,1,2,2-Tetrachloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2-Dibromo-3-chloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2-Dibromoethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2-Dichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2-Dichloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2-Dichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2,3-Trichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2,3-Trichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2,4-Trichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,2,4-Trimethylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,3-Dichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,3-Dichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,3,5-Trimethylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,4-Dichlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
1,4-Dioxane	ug/kg	--	--	--	--	330 U	--	--	--	--	330 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
2-Hexanone	ug/kg	48 U	--	--	--	--	67 U	--	--	--	--	47 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
2,4,5-Trichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2,4,6-Trichlorophenol	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
4-Isopropyltoluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Acetone	ug/kg	48 UJ	--	--	54 UJ	--	--	66 U	--	--	--	--	44 U	46 U	48 U	--	44 U
Acrolein	ug/kg	96 UJ	--	120 UJ	110 UJ	--	130 U	130 U	200 U	130 UJ	--	94 U	88 U	92 U	95 U	--	88 U
Acrylonitrile	ug/kg	48 U	--	59 U	54 U	--	67 U	66 U	100 U	64 U	--	47 U	44 U	46 U	48 U	--	44 U
Benzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
bis (2-chloroethyl) ether	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Bromobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Bromochloromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Bromodichloromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Bromoform	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 UJ	4.4 UJ	4.6 U	4.8 U	--	4.4 U
Bromomethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Carbon disulfide	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Carbon tetrachloride	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Chloro methane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Chlorobenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Chloroethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Chloroform	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
cis-1,2-Dichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
cis-1,3-Dichloropropene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Cyclohexane	ug/kg	--	--	--	--	--	6.7 U	--	--	--	--	4.7 U	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11
	SAMPLE	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		10	10	7	7	0	2	5	9	14	0	2	5	9	14	5	5
SAMPLE BOTTOM DEPTH (FT)		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		11	11	8	8	0.5	3	6	10	15	0.5	3	6	10	15	6	6
	SAMPLE TYPE	Field Duplicate														Field Duplicate	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Dibromomethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Dichlorodifluoromethane	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Ethyl- benzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Hexachlorobutadiene	ug/kg	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	670 U	--	--	--	--	660 U	--	--	--	--	--	--
Isophorone	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
Isopropylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Methyl acetate	ug/kg	--	--	--	--	--	6.7 U	--	--	--	--	4.7 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	48 U	--	59 U	54 U	--	67 U	66 U	100 U	64 U	--	47 U	44 U	46 U	48 U	--	44 U
Methyl isobutyl ketone	ug/kg	48 U	--	59 U	54 U	--	67 U	66 U	100 U	64 U	--	47 U	44 U	46 U	48 U	--	44 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Methylcyclohexane	ug/kg	--	--	--	--	--	6.7 U	--	--	--	--	4.7 U	--	--	--	--	--
Methylene chloride	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
N-Butylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
N-Propylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Nitrobenzene	ug/kg	--	350 U	350 U	340 U	330 U	340 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U
p-Chlorotoluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
sec-Butylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Styrene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
tert-Butylbenzene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Tetrachloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Toluene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
trans-1,2-Dichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
trans-1,3-Dichloropropene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Trichloroethene	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Vinyl chloride	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Xylene, m,p-	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Xylene, o-	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U
Xylenes, total	ug/kg	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W
	SAMPLE	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100
	DATE	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016
SAMPLE TOP DEPTH (FT)		9	14	5	9	14	5	9	14	14	0	2	5	6	9	2	0
SAMPLE BOTTOM DEPTH (FT)		10	15	6	10	15	6	10	15	15	1	3	5.5	7	10	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	6	10	15	6	10	15	15	0.5	3	5.5	7	10	3	0.5
	SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	160 J	510	800	72	240	--	84
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	15	--	140	9.1 J	23	35	9.3 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	1.3 U	--	4.2 J	0.29 U	0.7 U	0.72 U	0.74 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	2.2 J	0.44 U	4 U	0.43 U	0.21 U	--	0.12 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.4 U	2.7 J	12 J	0.74 U	1.8 U	--	0.87 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	4.1 J	--	22	1.5 J	4.6 J	9.1 J	3 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.81 U	0.43 U	3.9 U	0.42 U	0.58 J	--	0.38 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.22 U	0.9 J	2.1 J	0.16 J	0.42 U	--	0.51 J
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.47 U	0.3 U	0.34 U	0.63 U	0.19 U	--	0.31 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	2.2 U	3.5 J	9.3 J	0.69 J	1.9 J	--	1.6 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.2 U	0.52 U	4.6 U	0.5 U	0.24 U	--	0.14 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	20 U	--	260 U	15 U	38 U	82 U	22 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.64 U	--	1.3 U	0.66 U	0.2 U	0.39 J	0.35 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.16 U	--	0.13 U	0.071 U	0.049 U	0.12 U	0.18 J
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.21 U	--	0.15 U	0.14 U	0.16 U	0.18 U	0.24 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	2200	5900	8300	880	3300	--	880
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	27	94	380	34	64	--	21 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	2.6	7.4	21	1.8	3.5	--	2.5
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	4.6	14	32	2.5	6.6	--	3.5
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	4.6	14	32	2.5	6.6	--	3.5
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	9.1	8.7	8.6	8.4	8.4	--	9.2
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Arsenic	mg/kg	2.4	4	3.2	2.3	3.2	3.3	1.9	3.2	--	3.2	3.3	2.6	3.2	3.4	--	2.5
Barium	mg/kg	140	80	190	150	140	130	140	110	--	140	--	98	77	110	87 J	150
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1.4
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	--	0.27	--	0.8	0.2 U	0.2 U	0.35	0.33
Chromium, total	mg/kg	18	20	27	17	20	22	16	16	--	16	30	27	19	20	--	16
Cobalt	mg/kg	8.4	8.5	7.5	7.4	7.7	5.8	7.7	--	7.5	7.2	8.5	7.8	8.3	7.4	--	7.2
Copper	mg/kg	13	9	8.4	7.7	9.8	11	7.2	--	13	11	13	9.8	9.9	8	--	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	3	3.2	3	2.8	3.6	2.1	--	2.4	7.2	--	2.1	2.1	2.6	3.5	15
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1 U	2.4	1 U	1.2	2	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Nickel	mg/kg	12	14	9.8	11	13	9	10	11	--	10	17	11	13	11	--	11
Selenium	mg/kg	1 U	1 U	1.5	1.2	1 U	1 U	1.6	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1	2.2	2.1 U	2.6	--	2 U
Vanadium	mg/kg	34	35	29	29	29	21	28	29	--	27	--	29	33	29	34	30
Zinc	mg/kg	37	39	36	37	35	30	34	33	--	44	--	38	38	39	43	65
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W
	SAMPLE	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100
	DATE	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016
SAMPLE TOP DEPTH (FT)		9	14	5	9	14	5	9	14	14	0	2	5	6	9	2	0
SAMPLE BOTTOM DEPTH (FT)		10	15	6	10	15	6	10	15	15	1	3	5.5	7	10	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	6	10	15	6	10	15	15	0.5	3	5.5	7	10	3	0.5
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	51 U	51 U	51 U	51 U	51 U	--	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	33 U	34 U	33 U	34 U	34 U	--	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	22	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	130	5.9 U	5.8 U	5.8 U	5.9 U	5.9 U	--	14	5.9 U	6.1	6 U	5.9 U	--	740
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	180	5.1 U	5 U	5 U	5.1 U	5.1 U	--	10	5.1 U	5.1 U	5.2 U	5.1 U	--	1000
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	84	5.1 U	5 U	5 U	5.1 U	5.1 U	--	7.8	5.1 U	5.1 U	5.2 U	5.1 U	--	550
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	110	5.1 U	5 U	5 U	5.1 U	5.1 U	--	15	5.1 U	5.1	5.2 U	5.1 U	--	840
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	40	5.1 U	5 U	5 U	5.1 U	5.1 U	--	8.1	5.1 U	5.1 U	5.2 U	5.1 U	--	9.6
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	82	5.1 U	5 U	5 U	5.1 U	5.1 U	--	6.4	5.1 U	5.1 U	5.2 U	5.1 U	--	360
Chrysene	ug/kg	5.1 U	5.1 U	210	5.1 U	5 U	5 U	5.1 U	5.1 U	--	8.8	5.1 U	5.1 U	5.2 U	5.1 U	--	1100
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	17	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W
	SAMPLE	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100
	DATE	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016
SAMPLE TOP DEPTH (FT)		9	14	5	9	14	5	9	14	14	0	2	5	6	9	2	0
SAMPLE BOTTOM DEPTH (FT)		10	15	6	10	15	6	10	15	15	1	3	5.5	7	10	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	6	10	15	6	10	15	15	0.5	3	5.5	7	10	3	0.5
	SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	5.1 U	350	5.1 U	5 U	5 U	5.1 U	5.1 U	--	13	5.1 U	5.1 U	5.2 U	5.1 U	--	2100
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	39	5.1 U	5 U	5 U	5.1 U	5.1 U	--	6.1	5.1 U	5.1 U	5.2 U	5.1 U	--	8.2
Naphthalene	ug/kg	4.6 U	5.1 U	5.1 U	4.8 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	4.6 U
PAH High molecular weight	ug/kg	0	0	1420	0	0	0	0	0	--	89.2	0	5.1	0	0	--	8070
PAH Low molecular weight	ug/kg	0	0	142	0	0	0	0	0	--	0	0	0	0	0	--	380
Phenanthrene	ug/kg	5.1 U	5.1 U	120	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	380
Pyrene	ug/kg	5.1 U	5.1 U	310	5.1 U	5 U	5 U	5.1 U	5.1 U	--	14	5.1 U	5.1 U	5.2 U	5.1 U	--	2100
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2-Chlorophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	670 U	670 U	660 U	670 U	670 U	670 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U
4-Chloroaniline	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
4-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	670 U	680 U	670 U	670 U	660 U	670 U	670 U	670 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Dibenzofuran	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Diethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Hexachloroethane	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Phenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W
	SAMPLE	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100
	DATE	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016
SAMPLE TOP DEPTH (FT)		9	14	5	9	14	5	9	14	14	0	2	5	6	9	2	0
SAMPLE BOTTOM DEPTH (FT)		10	15	6	10	15	6	10	15	15	1	3	5.5	7	10	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	6	10	15	6	10	15	15	0.5	3	5.5	7	10	3	0.5
	SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	--	10 U
TPH as gasoline	mg/kg	0.83 U	1.2 U	1.4 U	1.1 U	0.87 U	1.4 U	1.3 U	--	0.92 U	--	1.1 U	1.2 U	1.2 U	1.1 U	--	--
TPH as motor oil	mg/kg	10 U	10 UJ	33	10 U	10 U	28	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	--	19
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1-Dichloroethene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1-Dichloropropene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1,1-Trichloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1,1,2-Tetrachloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1,2-Trichloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,1,2,2-Tetrachloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2-Dibromo-3-chloropropane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2-Dibromoethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2-Dichlorobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2-Dichloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2-Dichloropropane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2,3-Trichlorobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2,3-Trichloropropane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2,4-Trichlorobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,2,4-Trimethylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,3-Dichlorobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,3-Dichloropropane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,3,5-Trimethylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,4-Dichlorobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
4-Isopropyltoluene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Acetone	ug/kg	46 U	56 U	--	--	--	--	--	--	--	--	51 U	58 U	59 U	62 U	--	46 UJ
Acrolein	ug/kg	91 U	110 U	140 U	97 U	100 UJ	140 U	200 U	120 UJ	--	--	100 U	120 U	120 U	120 U	--	93 U
Acrylonitrile	ug/kg	46 U	56 U	72 U	48 U	52 U	68 U	99 U	58 U	--	--	51 U	58 U	59 U	62 U	--	46 U
Benzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Bromobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Bromochloromethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Bromodichloromethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Bromoform	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Bromomethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Carbon disulfide	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Carbon tetrachloride	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Chloro methane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Chlorobenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Chloroethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Chloroform	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
cis-1,2-Dichloroethene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
cis-1,3-Dichloropropene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W
	SAMPLE	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100
	DATE	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016
SAMPLE TOP DEPTH (FT)		9	14	5	9	14	5	9	14	14	0	2	5	6	9	2	0
SAMPLE BOTTOM DEPTH (FT)		10	15	6	10	15	6	10	15	15	1	3	5.5	7	10	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	6	10	15	6	10	15	15	0.5	3	5.5	7	10	3	0.5
SAMPLE TYPE										Field Duplicate						Field Duplicate	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Dibromomethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Dichlorodifluoromethane	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Ethyl- benzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Hexachlorobutadiene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	670 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
Isopropylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	46 U	56 U	72 U	48 U	52 U	68 U	99 U	58 U	--	--	51 U	58 U	59 U	62 U	--	46 UJ
Methyl isobutyl ketone	ug/kg	46 U	56 U	72 U	48 U	52 U	68 U	99 U	58 U	--	--	51 U	58 U	59 U	62 U	--	46 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
N-Butylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
N-Propylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Nitrobenzene	ug/kg	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U
p-Chlorotoluene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
sec-Butylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Styrene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
tert-Butylbenzene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Tetrachloroethene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Toluene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
trans-1,2-Dichloroethene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
trans-1,3-Dichloropropene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Trichloroethene	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Vinyl chloride	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Xylene, m,p-	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Xylene, o-	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U
Xylenes, total	ug/kg	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W
	SAMPLE	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114
	DATE	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016
SAMPLE TOP DEPTH (FT)		2	5	6	9	0	2	5	7	0	2	5	9	0	2	5	7
SAMPLE BOTTOM DEPTH (FT)		3	5.5	7	10	1	3	6	8	1	3	6	10	1	3	6	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	5.5	7	10	0.5	3	6	8	0.5	3	6	10	0.5	3	6	8
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	15	3700	490	260	94	180	140	16	220	140	26	3.8 J	5.6 J	230	44	62
1,2,3,4,6,7,8-HpCDF	ng/kg	3 J	1700	150	12 J	16	28	19	1.8 J	0.099 U	0.15 U	1.6 J	0.29 J	0.9 J	27	8.1 U	19
1,2,3,4,7,8-HxCDD	ng/kg	0.37 U	130	6.2 J	0.59 J	0.52 U	1.1 U	0.57 U	0.12 U	1.1 J	0.42 U	0.13 U	0.047 U	0.06 U	4.5 U	0.6 U	1.3 J
1,2,3,4,7,8-HxCDF	ng/kg	0.37 J	350 U	16	0.59 U	0.13 U	0.21 U	0.11 U	0.27 U	0.32 U	0.36 U	0.25 J	0.053 U	0.044 U	5 U	0.38 U	0.48 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.22 U	140	8.1 J	1.5 J	1.4 J	1.4 U	1.5 J	0.18 U	1.9 J	0.76 U	0.27 U	0.12 U	0.11 U	2.6 U	0.34 U	0.98 U
1,2,3,6,7,8-HxCDD	ng/kg	0.37 U	260	16	2.8 J	3.1 J	5.1 J	3.9 J	0.44 J	5.8 J	2.5 J	0.69 U	0.03 U	0.13 U	4.5 U	0.43 U	2 J
1,2,3,6,7,8-HxCDF	ng/kg	0.19 U	380	16	0.58 U	0.5 U	0.59 U	0.37 U	0.13 U	5.6 U	0.35 U	0.082 U	0.053 U	0.043 U	4.9 U	0.73 U	0.94 U
1,2,3,7,8-PeCDD	ng/kg	0.13 U	110 U	5.6 U	0.44 U	0.34 U	0.76 U	0.49 U	0.12 U	0.55 J	0.12 U	0.067 U	0.02 U	0.044 U	3 U	0.22 U	0.39 U
1,2,3,7,8-PeCDF	ng/kg	0.093 U	210	9.8 J	0.51 U	1.7 U	0.22 U	0.45 U	0.062 U	0.32 U	0.21 U	0.051 U	0.068 U	0.054 U	1.4 U	0.23 U	0.19 U
1,2,3,7,8,9-HxCDD	ng/kg	0.16 U	220	9.6 J	1.2 J	1.1 U	2 J	2.1 J	0.14 U	2.4 J	1.3 J	0.44 J	0.074 U	0.16 J	4.3 U	0.41 U	0.83 U
1,2,3,7,8,9-HxCDF	ng/kg	0.22 U	83	4.3 J	0.69 U	0.35 U	0.25 U	0.29 U	0.15 U	0.38 U	0.42 U	0.061 U	0.037 U	0.051 U	5.9 U	0.52 U	0.56 U
2,3,4,6,7,8-HxCDF	ng/kg	12 U	640	19	26 U	20 U	44 U	26 U	3.6 U	66 U	27 U	15 U	0.71 U	1 U	21 U	5.5 U	10 U
2,3,4,7,8-PeCDF	ng/kg	0.19 U	490	18	0.76 U	0.14 U	0.23 U	0.33 U	0.11 U	0.29 U	0.17 U	0.054 U	0.053 U	0.056 U	1.5 U	0.25 U	0.41 U
2,3,7,8-TCDD	ng/kg	0.031 U	20	1.4 J	0.13 U	0.055 U	0.14 U	0.15 U	0.039 U	0.022 U	0.099 U	0.022 U	0.013 U	0.024 U	1.5 U	0.13 U	0.1 U
2,3,7,8-TCDF	ng/kg	0.2 J	17 U	0.22 U	0.44 J	0.3 U	0.17 U	0.4 U	0.11 J	0.24 U	0.25 U	0.16 U	0.087 U	0.16 J	1.2 U	0.35 U	0.3 U
OCDD	ng/kg	150	16000	4900	3300	740	1500	1500	140	2500	1400	270	30	52	1800	370	650
OCDF	ng/kg	8.2 J	740	120	62	49	98	57	4.5 J	53	20 J	5 J	0.92 U	2.2 J	42 U	9.8 J	17 J
TEQ Avian	ng/kg	1.1	780	33	3.4	2	3.8	2.8	0.52	5.3	2.2	1.1	0.15	0.32	6.6	1	1.7
TEQ Human	ng/kg	1.1	480	27	6	3	6.1	4.4	0.59	8.2	3.8	1.3	0.13	0.22	8.2	1.3	2.3
TEQ Mammals	ng/kg	1.1	480	27	6	3	6.1	4.4	0.59	8.2	3.8	1.3	0.13	0.22	8.2	1.3	2.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.3	8.7	8.3	8.2	9	8.9	9.4	8.7	8.7	8.3	8	9.3	8.4	8.5	8.8	8.5
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 UJ	3.3	2.2 U	2 U
Arsenic	mg/kg	2	5.9	3.4	2.5	4	3	2.9	3.9	2	2.3	1.7	1.3	2.1	19	4.3	2.8
Barium	mg/kg	120	160	160	95	140	190	170	150	120	150	110	97	140 J	100	130	140
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
Cadmium	mg/kg	1 U	1.9	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.2	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	6.7	2.7	0.66	0.2 U	0.21	0.2 U	0.2 U	0.26	0.21 U	0.22	0.21 U	0.2 U	20	3	0.96
Chromium, total	mg/kg	13	420	65	15	14	16	11	16	20	12	12	15	13	360	50	23
Cobalt	mg/kg	7.1	7.3	7.7	7	7.8	6.5	6.3	6.9	7.6	7.1	5.7	7	6.2	11	7.7	7.6
Copper	mg/kg	12	170	80	9.7	11	12	9.7	8.9	9.6	9	6.7	9	7.3	1300	100	35
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.4	160	70	2.6	2.2	4.6	3.1	2.5	5.9	3	3	1.6	2.7	110	28	14
Mercury	mg/kg	0.1 U	0.22	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.41	180	72	17
Molybdenum	mg/kg	1 U	4.5	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	63	14	1 U
Nickel	mg/kg	8.9	27	16	10	12	9.9	8.9	12	12	8.6	7.6	10	8.4	170	17	11
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2 U	2 U	2 U	2.3	2.2	2.2	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U
Vanadium	mg/kg	30	58	27	29	29	26	24	30	32	31	23	27	27 J	26	30	31
Zinc	mg/kg	32	310	260	34	36	40	34	33	62	33	30	31	27	110	61	45
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W
	SAMPLE	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114
	DATE	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016
SAMPLE TOP DEPTH (FT)		2	5	6	9	0	2	5	7	0	2	5	9	0	2	5	7
SAMPLE BOTTOM DEPTH (FT)		3	5.5	7	10	1	3	6	8	1	3	6	10	1	3	6	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	5.5	7	10	0.5	3	6	8	0.5	3	6	10	0.5	3	6	8
SAMPLE TYPE																	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U
4,4-DDE	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.6	2 U
4,4-DDT	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 UJ	2 UJ	2.1 U	2.2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
Dieldrin	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
Endo sulfan II	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2 U
Endrin	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2 U
Endrin aldehyde	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1.1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 UJ	5.2 UJ	5.1 UJ	5.1 U	5.5 U	5.1 U
Toxaphene	ug/kg	51 U	52 U	51 U	51 U	51 U	51 U	50 U	51 U	51 U	52 U	51 UJ	52 UJ	51 U	51 U	55 U	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	33 U	34 U	33 U	33 U	33 U	34 U	34 U	34 U	34 U	34 U	34 U	36 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1254	ug/kg	17 U	52	33	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	52	33	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	9 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6 U	5.9	5.9 U	5.9 U	5.9 U	8.2 U	8.2 U	58	17	5.9 U	6 U	59 U	290 U	61 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	51 U	15	17	5.1 U	5.2 U	51 U	26 U	5.5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	10	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	17	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	8.3	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	12 J	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U
Chrysene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	51 U	15	15	5.1 U	5.2 U	51 U	26 U	5.5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	5.2 U	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W
	SAMPLE	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114
	DATE	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016
SAMPLE TOP DEPTH (FT)		2	5	6	9	0	2	5	7	0	2	5	9	0	2	5	7
SAMPLE BOTTOM DEPTH (FT)		3	5.5	7	10	1	3	6	8	1	3	6	10	1	3	6	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	5.5	7	10	0.5	3	6	8	0.5	3	6	10	0.5	3	6	8
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	5.2 U	390	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	22	38	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	51 U	6.2	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	7.4 U	5.5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	390	0	0	0	0	0	72	157	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	7.3	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	7.3	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	20	33	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
3,3-Dichlorobenzidene	ug/kg	680 U	6900 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	170000 U	730 U	670 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	17000 U	730 U	670 U
4-Chloroaniline	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	17000 U	730 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
4-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
Benzyl alcohol	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	17000 U	730 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	3400 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	85000 U	360 U	330 U
Butylbenzylphthalate	ug/kg	340 U	3400 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	85000 U	360 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	3300 U	3300 U	340 U	340 U	340 U	340 U	340 U	8500 U	3600 U	330 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W
	SAMPLE	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114
	DATE	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016
SAMPLE TOP DEPTH (FT)		2	5	6	9	0	2	5	7	0	2	5	9	0	2	5	7
SAMPLE BOTTOM DEPTH (FT)		3	5.5	7	10	1	3	6	8	1	3	6	10	1	3	6	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	5.5	7	10	0.5	3	6	8	0.5	3	6	10	0.5	3	6	8
	SAMPLE TYPE																
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	53	29	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	630	76	37
TPH as gasoline	mg/kg	1.1 U	1.6 U	1.5 U	1.3 U	--	1.2 U	1.1 UJ	1.1 U	--	1.2 U	1.3 U	1.2 U	--	1.6 U	1.5 U	1.3 U
TPH as motor oil	mg/kg	10 U	460	240	10 U	10 U	10 U	10 U	10 U	10 U	13	10 U	10 U	10 U	4500	540	230
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1-Dichloroethene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1-Dichloropropene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1,1-Trichloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1,1,2-Tetrachloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1,2-Trichloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,1,2,2-Tetrachloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2-Dibromo-3-chloropropane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2-Dibromoethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2-Dichlorobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2-Dichloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2-Dichloropropane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2,3-Trichlorobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2,3-Trichloropropane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2,4-Trichlorobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,2,4-Trimethylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,3-Dichlorobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,3-Dichloropropane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,3,5-Trimethylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,4-Dichlorobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
4-Isopropyltoluene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Acetone	ug/kg	60 UJ	76 UJ	67 UJ	63 UJ	66 U	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U
Acrolein	ug/kg	120 U	150 U	130 U	130 U	130 U	110 U	110 U	120 U	140 U	120 U	110 U	120 U	110 U	150 U	130 U	100 U
Acrylonitrile	ug/kg	60 U	76 U	67 U	63 U	66 U	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U
Benzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Bromobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Bromochloromethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Bromodichloromethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Bromoform	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Bromomethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Carbon disulfide	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Carbon tetrachloride	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Chloro methane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Chlorobenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Chloroethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Chloroform	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
cis-1,2-Dichloroethene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
cis-1,3-Dichloropropene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W
	SAMPLE	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114
	DATE	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016
SAMPLE TOP DEPTH (FT)		2	5	6	9	0	2	5	7	0	2	5	9	0	2	5	7
SAMPLE BOTTOM DEPTH (FT)		3	5.5	7	10	1	3	6	8	1	3	6	10	1	3	6	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	5.5	7	10	0.5	3	6	8	0.5	3	6	10	0.5	3	6	8
	SAMPLE TYPE																
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Dibromomethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Dichlorodifluoromethane	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Ethyl- benzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Hexachlorobutadiene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
Isopropylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	60 UJ	76 UJ	67 UJ	63 UJ	66 U	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U
Methyl isobutyl ketone	ug/kg	60 U	76 U	67 U	63 U	66 U	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U
Methyl tert-butyl ether (MTBE)	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
N-Butylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
N-Propylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U
p-Chlorotoluene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
sec-Butylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Styrene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
tert-Butylbenzene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Tetrachloroethene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Toluene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
trans-1,2-Dichloroethene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
trans-1,3-Dichloropropene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Trichloroethene	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Vinyl chloride	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Xylene, m,p-	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Xylene, o-	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U
Xylenes, total	ug/kg	6 U	7.6 U	6.7 U	6.3 U	6.6 U	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007
	DATE	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	9	9	0	1	2	5	9	0	2	5	2	3	3	0	2
SAMPLE BOTTOM DEPTH (FT)		10	10	10	1	2	3	6	10	1	3	6	3	4	3.25	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	10	0.5	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.45 U	--	0.23 J	14	35	14	0.44 U	1.1 U	--	--	--	610	15	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	0.059 U	0.088 J	1.7 J	3.2 J	1 U	0.16 U	0.16 U	--	--	--	390	0.48 U	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.066 U	--	0.02 U	0.18 U	0.43 U	0.15 U	0.029 U	0.039 U	--	--	--	29	0.9 U	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.075 U	0.026 U	0.16 U	0.14 U	0.063 U	0.049 U	0.047 U	--	--	--	110	0.3 U	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.07 U	0.062 U	0.13 U	0.3 U	0.16 U	0.071 U	0.19 U	--	--	--	23	0.57 U	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	0.051 U	0.02 U	0.47 U	1 U	0.39 U	0.03 U	0.043 U	--	--	--	60	0.43 U	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	0.073 U	0.032 U	0.15 U	0.12 U	0.062 U	0.058 U	0.046 U	--	--	--	110	1.3 U	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.029 U	0.066 U	0.083 U	0.24 U	0.065 U	0.029 U	0.021 U	--	--	--	49 U	0.91 U	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.042 U	0.034 U	0.11 U	0.12 U	0.083 U	0.059 U	0.11 U	--	--	--	92	0.11 U	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.064 U	--	0.019 U	0.39 U	0.78 J	0.42 U	0.028 U	0.038 U	--	--	--	52	0.41 U	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.087 U	0.053 U	0.18 U	0.046 U	0.11 U	0.055 U	0.055 U	--	--	--	11 U	1.1 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	0.28 U	0.23 U	1.7 U	3.4 U	1.3 U	0.041 U	0.31 U	--	--	--	220	1 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.044 U	0.036 U	0.11 U	0.12 U	0.088 U	0.062 U	0.12 U	--	--	--	190 U	0.12 U	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.018 U	0.018 U	0.049 U	0.049 U	0.087 U	0.086 U	0.037 U	--	--	--	17	0.43 U	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.046 U	0.07 U	0.073 U	0.043 U	0.11 U	0.19 U	0.2 J	--	--	--	5.8 U	0.66 U	--	--	--
OCDD	ng/kg	--	4.7 J	1.9 J	110	270	120	2 J	6.1 J	--	--	--	1800	43	--	--	--
OCDF	ng/kg	--	0.18 U	0.15 U	2.9 J	6.3 J	2.4 J	0.089 U	0.28 U	--	--	--	79	1.3 U	--	--	--
TEQ Avian	ng/kg	0.17	--	0.12	0.34	0.61	0.31	0.2	0.32	--	--	--	210	1.3	--	--	--
TEQ Human	ng/kg	0.11	--	0.075	0.44	0.97	0.4	0.096	0.11	--	--	--	140	1.2	--	--	--
TEQ Mammals	ng/kg	0.11	--	0.075	0.44	0.97	0.4	0.096	0.11	--	--	--	140	1.2	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.6	8.5	8.8	8	8.7	8.2	7.8	--	--	--	9.6	9.5	8.88 J	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	19	2.1 U	2.3 U	2 U	2.1 U
Arsenic	mg/kg	1.4	--	1.4	2.6	3.4	2.7	3.1	4.1	4	3.8	4.5	14	2.3	15	5.8	11
Barium	mg/kg	110	--	92	66	90	130	180	110	250	280	86	410	190	120	190	130
Beryllium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11 U	2 U	11 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.1 J	1 U	1.1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	2.2	0.77	1
Chromium, total	mg/kg	13	--	11	9	12	13	12	12	14	13	13	380 J	13	26	28	42
Cobalt	mg/kg	7.5	--	6.4	3.3	4.8	6.4	5	6.2	7.1	7.8	8	17	6.7	11 U	6.8	11 U
Copper	mg/kg	8.7	--	7.8	4.7	9.2	7.7	10	8.6	13	12	12	1800	19	23 U	44	21 U
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.3	--	2.7	3.9	8.5	3.7	3.4	2.6	14	3.5	4.4	1600 J	6.3	1.1 U	18	7.6
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Molybdenum	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	16	1 U	11 U	2 U	11 U
Nickel	mg/kg	9	--	9.1	5	7.9	8	7.3	8	9.6	9.5	12	270	9.7	4.5	12	12
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1 U	1.1 U
Silver	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11 U	2 U	11 U
Thallium	mg/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	23 U	4.1 U	21 U
Vanadium	mg/kg	32	--	27	17	18	27	24	33	30	30	33	24 J	27	13	28	25
Zinc	mg/kg	31	--	31	21	26	29	24	29	41	34	36	2000 J	41	11 U	49	34
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8500	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37000	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007
	DATE	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	9	9	0	1	2	5	9	0	2	5	2	3	3	0	2
SAMPLE BOTTOM DEPTH (FT)		10	10	10	1	2	3	6	10	1	3	6	3	4	3.25	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	10	0.5	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19000	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7200	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	270	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2600	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	630	--
Pesticides																	
4,4-DDD	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--
4,4-DDE	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	4.4	2.1 U	--	2.9	--
4,4-DDT	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	3	--
Aldrin	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
alpha-BHC	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
alpha-Chlordane	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
beta-BHC	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
delta-BHC	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
Dieldrin	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--
Endo sulfan I	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
Endo sulfan II	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--
Endosulfan sulfate	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--
Endrin	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--
Endrin aldehyde	ug/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
gamma-BHC	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
gamma-Chlordane	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
Heptachlor	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
Heptachlor Epoxide	ug/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--
Methoxy chlor	ug/kg	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	--	5.1 U	--
Toxaphene	ug/kg	51 U	--	51 UJ	51 U	51 UJ	51 U	51 UJ	51 UJ	--	--	--	52 U	52 U	--	51 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--
Aroclor 1221	ug/kg	33 U	--	33 U	33 U	34 U	33 U	34 U	34 U	--	--	--	34 U	34 U	--	34 U	--
Aroclor 1232	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--
Aroclor 1242	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--
Aroclor 1248	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--
Aroclor 1254	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	35	17 U	--	17 U	--
Aroclor 1260	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Total PCBs	ug/kg	8.5 U	--	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	--	--	35	8.5 U	--	8.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
2-Methyl naphthalene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Acenaphthene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Acenaphthylene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Anthracene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
B(a)P Equivalent	ug/kg	56 U	--	59 U	5.9 U	5.9 U	22	5.9 U	5.9 U	--	--	--	59	6 U	6.6 U	5.9	6.2 U
Benzo (a) anthracene	ug/kg	5 U	--	51 U	5.1 U	5.1 U	20	5.1 U	5.1 U	--	--	--	12	5.2 U	5.7 UJ	5.1 U	5.4 U
Benzo (a) pyrene	ug/kg	50 U	--	51 U	5.1 U	5.1 U	14	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Benzo (b) fluoranthene	ug/kg	50 U	--	51 U	5.1 U	5.1 U	25	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Benzo (ghi) perylene	ug/kg	50 U	--	51 U	5.1 U	5.1 U	9.4	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	11	5.4 U
Benzo (k) fluoranthene	ug/kg	50 U	--	51 U	5.1 U	5.1 U	15 J	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Chrysene	ug/kg	5 U	--	51 U	5.1 U	5.1 U	21	5.1 U	5.1 U	--	--	--	16	5.2 U	5.7 UJ	5.1 U	5.4 U
Dibenzo (a,h) anthracene	ug/kg	50 U	--	51 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U

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Dataset for OCS Excluding BCW HHERA

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007
	DATE	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	9	9	0	1	2	5	9	0	2	5	2	3	3	0	2
SAMPLE BOTTOM DEPTH (FT)		10	10	10	1	2	3	6	10	1	3	6	3	4	3.25	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	10	0.5	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	39	5.1 U	5.1 U	--	--	--	17	5.2 U	5.7 UJ	5.9	5.4 U
Fluorene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Indeno (1,2,3-cd) pyrene	ug/kg	50 U	--	51 U	5.1 U	5.1 U	8.1	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U
Naphthalene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U
PAH High molecular weight	ug/kg	0	--	0	0	0	184	0	0	--	--	--	63	0	0	22.8	0
PAH Low molecular weight	ug/kg	0	--	0	0	0	7.1	0	0	--	--	--	0	0	0	5.2	0
Phenanthrene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	7.1	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.2	5.4 U
Pyrene	ug/kg	5 U	--	5.1 U	5.1 U	5.1 U	32	5.1 U	5.1 U	--	--	--	18	5.2 U	5.7 UJ	5.9	5.4 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
2-Chloro naphthalene	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
2-Chlorophenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
2-Methylphenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
2-Nitroaniline	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U
2-Nitrophenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
2,4-Dichlorophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	370 UJ	340 U	350 U
2,4-Dimethylphenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
2,4-Dinitrophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
2,6-Dinitrotoluene	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
3-Nitroaniline	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	370 UJ	340 U	350 U
4-Bromophenyl phenyl ether	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
4-Chloro-3-methylphenol	ug/kg	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	750 UJ	670 U	710 U
4-Chloroaniline	ug/kg	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	370 UJ	340 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
4-Methylphenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	430	350 U
4-Nitroaniline	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U
4-Nitrophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1900 UJ	1700 U	1800 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1900 UJ	1700 U	1800 U
Benzyl alcohol	ug/kg	670 U	--	670 U	670 U	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	750 UJ	670 U	710 U
bis (2-chloroethoxy) methane	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Butylbenzylphthalate	ug/kg	630	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	--
Di-n-butyl phthalate	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Di-n-octyl phthalate	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	3400 U	370 UJ	340 U	350 U
Dibenzofuran	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Diethyl phthalate	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Dimethyl phthalate	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Hexachlorobenzene	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Hexachloroethane	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
N-nitrosodiphenylamine	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Pentachlorophenol	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U
Phenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007
	DATE	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	9	9	0	1	2	5	9	0	2	5	2	3	3	0	2
SAMPLE BOTTOM DEPTH (FT)		10	10	10	1	2	3	6	10	1	3	6	3	4	3.25	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	10	0.5	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--	13	47	10 UJ	34.1	14.1
TPH as gasoline	mg/kg	1.2 U	--	1.2 U	--	1.3 U	1.2 U	1.4 U	1.4 UJ	--	--	--	1.9 U	1.7 UJ	--	--	1.4 U
TPH as motor oil	mg/kg	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--	79	410	10 UJ	252	64.1
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,1-Dichloroethene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,1-Dichloropropene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,1,1-Trichloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,1,1,2-Tetrachloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,1,2-Trichloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,1,2,2-Tetrachloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,2-Dibromo-3-chloropropane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,2-Dibromoethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,2-Dichlorobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U
1,2-Dichloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,2-Dichloropropane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
1,2,3-Trichlorobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,2,3-Trichloropropane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,2,4-Trichlorobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U
1,2,4-Trimethylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,3-Dichlorobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U
1,3-Dichloropropane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,3,5-Trimethylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
1,4-Dichlorobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U	--
2-Chlorotoluene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89 U
2,2-Dichloropropane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
2,4,5-Trichlorophenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	1800 UJ	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
4-Isopropyltoluene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Acetone	ug/kg	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--	100 UJ	3600 U	--	--	--
Acrolein	ug/kg	120 U	--	120 U	100 U	120 U	130 U	130 U	120 U	--	--	--	200 U	7300 U	--	--	180 U
Acrylonitrile	ug/kg	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--	100 U	3600 U	--	--	89 U
Benzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
bis (2-chloroethyl) ether	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Bromobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Bromochloromethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Bromodichloromethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Bromoform	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Bromomethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Carbon disulfide	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Carbon tetrachloride	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Chloro methane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Chlorobenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Chloroethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Chloroform	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
cis-1,2-Dichloroethene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
cis-1,3-Dichloropropene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.9 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007
	DATE	2/22/2016	2/22/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	9	9	0	1	2	5	9	0	2	5	2	3	3	0	2
SAMPLE BOTTOM DEPTH (FT)		10	10	10	1	2	3	6	10	1	3	6	3	4	3.25	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	10	0.5	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3
SAMPLE TYPE			Field Duplicate														
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Dibromomethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Dichlorodifluoromethane	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Ethyl- benzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Hexachlorobutadiene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	670 U	--
Isophorone	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
Isopropylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.9 U
Methyl ethyl ketone	ug/kg	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--	100 UJ	3600 U	--	--	89 U
Methyl isobutyl ketone	ug/kg	58 U	--	58 U	52 U	62 U	63 U	65 U	62 U	--	--	--	100 U	3600 U	--	--	89 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.9 U
Methylene chloride	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
N-Butylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
N-Propylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Nitrobenzene	ug/kg	330 U	--	330 U	340 U	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U
p-Chlorotoluene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
sec-Butylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Styrene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
tert-Butylbenzene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Tetrachloroethene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Toluene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
trans-1,2-Dichloroethene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
trans-1,3-Dichloropropene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Trichloroethene	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Vinyl chloride	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U
Xylene, m,p-	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Xylene, o-	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U
Xylenes, total	ug/kg	5.8 U	--	5.8 U	5.2 U	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	14	9	0	2	5	8	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	6.1 J	3.6 J	8.7 J	1.8 U	12 J	89	1.3 U	4.1 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	0.79 U	0.64 U	0.73 U	0.61 U	2.5 J	8.6 J	0.25 U	0.61 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	0.19 U	0.18 U	0.14 U	0.21 U	0.25 J	--	0.12 U	0.061 U	0.63 J	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	0.21 U	0.11 U	0.18 U	0.1 U	0.38 J	0.48 J	0.067 U	0.047 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	0.3 J	0.12 U	0.14 U	0.32 U	0.25 U	0.69 J	0.094 U	0.027 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	0.49 U	0.18 U	0.073 U	0.13 U	0.88 U	2.9 J	0.14 U	0.061 U	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	0.27 U	0.11 U	0.18 U	0.23 U	0.35 J	0.75 J	0.17 U	0.045 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	0.089 U	0.15 U	0.1 U	0.34 U	0.45 U	--	0.15 U	0.1 U	0.57 J	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	0.2 U	0.16 U	0.33 J	0.25 U	0.19 U	0.47 J	0.053 U	0.13 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	0.58 J	0.31 U	0.28 U	0.43 U	0.61 U	1.2 J	0.14 U	0.067 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	0.22 U	0.15 U	0.076 U	0.13 U	0.11 U	0.14 U	0.1 U	0.053 U	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	1.1 U	1.3 U	1.5 U	0.97 U	3.1 U	--	0.43 U	0.75 U	17 U	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	0.2 U	0.13 U	0.17 U	0.082 U	0.26 U	--	0.053 U	0.14 U	0.34 U	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.042 U	0.044 U	0.056 U	0.07 U	0.1 U	0.073 U	0.064 U	0.052 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	0.045 U	0.094 U	0.53 J	0.061 U	0.32 J	0.085 U	0.047 U	0.11 U	--	--	--	--
OCDD	ng/kg	--	--	--	--	40	22 J	66	15 J	82	780	10 U	39	--	--	--	--
OCDF	ng/kg	--	--	--	--	1.2 J	1.1 J	1.4 U	1.2 U	3.7 U	--	0.43 U	1.8 J	23 J	--	--	--
TEQ Avian	ng/kg	--	--	--	--	0.37	0.33	0.86	0.4	1.1	2.2	0.21 U	0.27	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	0.36	0.29	0.4	0.35	0.85	3.2	0.19 U	0.22	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	0.36	0.29	0.4	0.35	0.85	3.2	0.19 U	0.22	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 UJ	2 U	2 U
Arsenic	mg/kg	8.5	2.6	3.1	--	1.5	1 U	1.6	1 U	1 U	1.5	1.1	1	--	3.7	3.3	3.4
Barium	mg/kg	150	180	120	--	120	140	130	68	140	--	60	98	130	140	90	130
Beryllium	mg/kg	5.2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	0.043	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.3	--	0.41 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.4 U	0.41 U	0.88
Chromium, total	mg/kg	42	21	15	--	14	12	14	9.9	15	17	13	14	--	31	26	32
Cobalt	mg/kg	6.6	8.5	7.2	--	6.7	5.8	6.8	5.7	7	--	5.7	6.7	7.9	7.5	8.1	6.6
Copper	mg/kg	19	16 J	9.1	--	9	7.1	11	6.5	10	12	40	8.1	--	12	13	11
CR6 SPLP	mg/L	0.044 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	21	--	2.1	1.9	5.6	3.4	2.6	1.1	11	9.8	1.4	2	--	8.4	6.4	9
Mercury	mg/kg	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	5.2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.6	1 U	2.1
Nickel	mg/kg	13	11	11	--	9	7.6	9	7.1	9	--	8	9.2	9.7	11	13	11
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	5.2 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	10 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	27	--	28	33	25	25	26	23	26	--	24	25	29	30	34	26
Zinc	mg/kg	51	--	35	41	37	31	29	24	41	--	39	30	45	52	46	40
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	7700	--	--	--	--	--	--	--	--	8800	--	--
Calcium	mg/kg	--	--	--	--	21000	--	--	--	--	--	--	--	--	20000	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	14	9	0	2	5	8	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	0.1 U	--	--	--	--	--	--	--	--	1 U	--	--
Iron	mg/kg	--	--	--	--	16000	--	--	--	--	--	--	--	--	20000	--	--
Magnesium	mg/kg	--	--	--	--	6700	--	--	--	--	--	--	--	--	7200	--	--
Manganese	mg/kg	--	--	--	--	230	--	--	--	--	--	--	--	--	290	--	--
Potassium	mg/kg	--	--	--	--	2700	--	--	--	--	--	--	--	--	2800 J	--	--
Sodium	mg/kg	--	--	--	--	190	--	--	--	--	--	--	--	--	350	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	--	--	5 U	--	--	--	--	--	--	--	--	5 U	--	--
Toxaphene	ug/kg	--	--	--	--	50 U	--	--	--	--	--	--	--	--	50 U	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	33 U	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	8.5 U	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5 U	5.1 U	--	--	--	--	--	--	--	--	--	--	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U
Acenaphthene	ug/kg	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U
Acenaphthylene	ug/kg	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U
Anthracene	ug/kg	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	14	5.8 U	5.9 U	--	380 U	--	--	--	--	--	--	--	--	16	6.1	6.1
Benzo (a) anthracene	ug/kg	9.5	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	15	5 U	5 U
Benzo (a) pyrene	ug/kg	8.7	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	10	5 U	5 U
Benzo (b) fluoranthene	ug/kg	12	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	15	5.2	5.5
Benzo (ghi) perylene	ug/kg	12	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--	--	--	7.1	5 U	5 U
Benzo (k) fluoranthene	ug/kg	12	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	12	5 U	5 U
Chrysene	ug/kg	12	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	18	6.1	5.4
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--	--	--	5 U	5 U	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	14	9	0	2	5	8	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Fluoranthene	ug/kg	12	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--	--	--	22	5 U	6.6
Fluorene	ug/kg	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	7.6	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--	--	--	6.1	5 U	5 U
Naphthalene	ug/kg	5.2 U	5 U	5.1 U	--	6.5 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U
PAH High molecular weight	ug/kg	98.8	0	0	--	0	--	--	--	--	--	--	--	--	125	16.9	24.6
PAH Low molecular weight	ug/kg	0	0	0	--	0	--	--	--	--	--	--	--	--	6	0	0
Phenanthrene	ug/kg	5.2 U	5 U	5.1 U	--	330 U	--	--	--	--	--	--	--	--	6	5 U	5 U
Pyrene	ug/kg	13	5 U	5.1 U	--	330 UJ	--	--	--	--	--	--	--	--	20	5.6	7.1
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Chlorophenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Methylphenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	--	1700 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--
2,4-Dichlorophenol	ug/kg	340 U	330 U	340 U	--	1700 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1600 U	--	1700 R	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	330 U	340 U	--	330 UJ	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	--	1700 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	330 U	340 U	--	660 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	690 U	670 U	670 U	--	660 U	--	--	--	--	--	--	--	--	660 U	670 U	660 U
4-Chloroaniline	ug/kg	340 U	330 U	340 U	--	660 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Methylphenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	--	1700 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1600 U	--	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 R	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--
Atrazine	ug/kg	--	--	--	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--
Benzaldehyde	ug/kg	--	--	--	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 R	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	690 U	670 U	670 U	--	660 U	--	--	--	--	--	--	--	--	660 U	670 U	660 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	640	330 U	330 U
Butylbenzylphthalate	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	330 UJ	--	--	--	--	--	--	--	--	330 U	--	--
Carbazole	ug/kg	--	--	--	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Dibenzofuran	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Diethyl phthalate	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Hexachloroethane	ug/kg	340 U	330 U	340 U	--	330 UJ	--	--	--	--	--	--	--	--	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1600 U	--	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	14	9	0	2	5	8	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.5 U	0.92 U	1.6 U	--	--	--	--	--	--	--	--	--	--	--	1 U	0.91 U
TPH as motor oil	mg/kg	164	26.2	10 U	--	--	--	--	--	--	--	--	--	--	10.9	10 U	11.6
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1-Dichloroethene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1-Dichloropropene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1,1-Trichloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1,1,2-Tetrachloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1,2-Trichloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,1,2,2-Tetrachloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2-Dibromo-3-chloropropane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2-Dibromoethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2-Dichlorobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U
1,2-Dichloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2-Dichloropropane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2,3-Trichlorobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2,3-Trichloropropane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,2,4-Trichlorobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U
1,2,4-Trimethylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,3-Dichlorobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U
1,3-Dichloropropane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,3,5-Trimethylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
1,4-Dichlorobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U
1,4-Dioxane	ug/kg	--	--	--	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
2-Hexanone	ug/kg	--	--	--	--	70 UJ	--	--	--	--	--	--	--	--	--	51 U	--
2,2-Dichloropropane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
2,4,5-Trichlorophenol	ug/kg	1700 U	1600 U	1600 U	--	330 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Acetone	ug/kg	--	--	--	--	65 U	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	130 U	--	170 UJ	120 U	130 U	--	--	--	--	--	--	--	--	--	100 U	100 U
Acrylonitrile	ug/kg	65 U	--	86 U	59 U	65 U	--	--	--	--	--	--	--	--	--	51 U	51 U
Benzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	340 U	--	330 UJ	--	--	--	--	--	--	--	--	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Bromobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Bromochloromethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Bromodichloromethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Bromoform	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Bromomethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Carbon disulfide	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Carbon tetrachloride	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Chloro methane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Chlorobenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Chloroethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Chloroform	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
cis-1,2-Dichloroethene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 UJ	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
cis-1,3-Dichloropropene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	--

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014
	DATE	9/30/2008	9/30/2008	9/30/2008	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	14	9	0	2	5	8	0	2	5	9	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Dibromomethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Dichlorodifluoromethane	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Ethyl- benzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Hexachlorobutadiene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	660 R	--	--	--	--	--	--	--	--	660 U	--	--
Isophorone	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Isopropylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Methyl acetate	ug/kg	--	--	--	--	7 UJ	--	--	--	--	--	--	--	--	--	5.1 U	--
Methyl ethyl ketone	ug/kg	65 U	--	86 U	59 U	65 U	--	--	--	--	--	--	--	--	--	51 U	51 U
Methyl isobutyl ketone	ug/kg	65 U	--	86 U	59 U	65 U	--	--	--	--	--	--	--	--	--	51 U	51 U
Methyl tert-butyl ether (MTBE)	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Methylcyclohexane	ug/kg	--	--	--	--	7 UJ	--	--	--	--	--	--	--	--	--	5.1 U	--
Methylene chloride	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
N-Butylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
N-Propylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Nitrobenzene	ug/kg	340 U	330 U	340 U	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
sec-Butylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Styrene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
tert-Butylbenzene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Tetrachloroethene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Toluene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
trans-1,2-Dichloroethene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
trans-1,3-Dichloropropene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Trichloroethene	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Vinyl chloride	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Xylene, m,p-	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Xylene, o-	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U
Xylenes, total	ug/kg	6.5 U	--	8.6 U	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.1	2.7	4.5	4.5	4.1	--	3.4	3.1	6.8	9	3.2	2.8	3.2	5	6	3.4
Barium	mg/kg	140	110	99	130	110	--	130	96	300	240	240	110	90	120	210	140
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	1 U	1 U	1 U	1 U	2 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	--	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U
Chromium, total	mg/kg	19	17	13	16	16	8.2	15	--	15	17	15	15	16	11	23	18
Cobalt	mg/kg	7.5	7.6	4.3	4.4	4.4	3.4	6.4	--	6.8	6.1	7.3	7.6	6.8	4	7.8	7.7
Copper	mg/kg	7.1	12	7.3	6.2	5.3	2.9	7.9	--	9.6	16	7.9	9.5	7.3	6.1	9.5	9.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	2.2	7.2	3.5	3.5	--	2.2	2.9	5.3	16	2.7	2.3	2.2	7.4	3.3	2.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.099 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
Molybdenum	mg/kg	1 U	1 U	1 U	1.5	1.5	1.2	1 U	--	2 U	2 U	1 U	1 U	1 U	1.2	2.4	1 U
Nickel	mg/kg	10	11	7.1	7.6	7.3	4.8	10	--	10	13	10	10	12	7	11	11
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	1 U	1 U	1 U	1 U	2 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	4 U	4 U	2 U	2 U	2 U	2 U	4 U	2 U
Vanadium	mg/kg	30	29	20	21	21	19	27	--	29	28	28	30	28	20	34	31
Zinc	mg/kg	33	32	31	23	23	16	29	--	35	46	35	35	30	35	37	35
Metals CLP																	
Aluminum	mg/kg	--	--	5400	--	--	--	--	--	9000	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	12000	--	--	--	--	--	31000	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	11000	--	--	--	--	--	17000	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	4300	--	--	--	--	--	7000	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	170	--	--	--	--	--	260	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1600	--	--	--	--	--	2500	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	340	--	--	--	--	--	390	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	--	33 U	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	8.5 U	--	--	--	--	--	8.5 U	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U
Acenaphthene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U
Acenaphthylene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U
Anthracene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	5.8 U	5.9 U	5.8 U	5.8 U	5.9 U	--	5.8 U	17	5.8 U	5.8 U	5.9 U	6.2	5.8 U	5.8 U
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.6	5 U	5 U	5.1 U	5 U	5 U	5 U
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	9.5	5 U	5 U	5.1 U	5 U	5 U	5 U
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	31	5 U	5 U	5.1 U	5.9 J	5 U	5 U
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	14	5 U	5 U	5.1 U	5 U	5 U	5 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	22	5 U	5 U	5.1 U	5.9 J	5 U	5 U
Chrysene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	24	5 U	5 U	5.1 U	5.2 J	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	27	5 U	5 U	5.1 U	5.9 J	5 U	5 U
Fluorene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	12	5 U	5 U	5.1 U	5 U	5 U	5 U
Naphthalene	ug/kg	4.5 U	4.9 U	5 U	4.6 U	4.5 U	3.9 U	4.5 U	--	5 U	4.6 U	4.9 U	4.2 U	4 U	5 U	4.6 U	5 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	--	0	166	0	0	0	28.2	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	--	0	11	0	0	0	0	0	0
Phenanthrene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	11	5 U	5 U	5.1 U	5 U	5 U	5 U
Pyrene	ug/kg	5 U	5.1 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	21	5 U	5 U	5.1 U	5.3 J	5 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	660 U	670 U	660 U	--	670 U	660 U	660 U	1700 U	660 U	660 U	670 U	660 U	660 U	670 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	4100 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	660 U	670 U	660 U	--	670 U	660 U	660 U	1700 U	660 U	660 U	670 U	660 U	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 U	10 U	10 J	17	10 U	10 U
TPH as gasoline	mg/kg	1.1 U	1.1 UJ	--	0.94 U	0.95 U	--	1 U	0.83 U	--	0.88 U	0.98 U	0.79 U	0.95 U	--	1.1 U	0.92 U
TPH as motor oil	mg/kg	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10.3	10 U	10 U	10 J	67.4	10.6	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1-Dichloroethene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1-Dichloropropene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1,1-Trichloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1,1,2-Tetrachloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1,2-Trichloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,1,2,2-Tetrachloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2-Dibromo-3-chloropropane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2-Dibromoethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2-Dichlorobenzene	ug/kg	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U
1,2-Dichloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2-Dichloropropane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2,3-Trichlorobenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2,3-Trichloropropane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,2,4-Trichlorobenzene	ug/kg	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U
1,2,4-Trimethylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,3-Dichlorobenzene	ug/kg	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U
1,3-Dichloropropane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,3,5-Trimethylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
1,4-Dichlorobenzene	ug/kg	4.5 U	4.9 U	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
2-Hexanone	ug/kg	--	--	--	46 U	--	--	--	--	--	46 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Acetone	ug/kg	--	--	--	--	--	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U
Acrolein	ug/kg	89 U	98 U	--	93 U	90 UJ	78 U	90 U	--	--	93 U	98 U	85 U	80 U	--	91 U	110 U
Acrylonitrile	ug/kg	45 U	49 U	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U
Benzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Bromochloromethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Bromodichloromethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Bromoform	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Bromomethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Carbon disulfide	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Carbon tetrachloride	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Chloro methane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Chlorobenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Chloroethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Chloroform	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
cis-1,2-Dichloroethene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
cis-1,3-Dichloropropene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Cyclohexane	ug/kg	--	--	--	4.6 U	--	--	--	--	--	4.6 U	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-3	AOC14-3	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-3-8015	AOC14-3-8016	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	9	0	2	5	9	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Dibromomethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Dichlorodifluoromethane	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Ethyl- benzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Hexachlorobutadiene	ug/kg	4.5 U	4.9 U	330 U	4.6 U	4.5 U	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	660 U	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Methyl acetate	ug/kg	--	--	--	4.6 U	--	--	--	--	--	4.6 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	45 U	49 U	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U
Methyl isobutyl ketone	ug/kg	45 U	49 U	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Methylcyclohexane	ug/kg	--	--	--	4.6 U	--	--	--	--	--	4.6 U	--	--	--	--	--	--
Methylene chloride	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
N-Butylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
N-Propylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
sec-Butylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Styrene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
tert-Butylbenzene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Tetrachloroethene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Toluene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
trans-1,2-Dichloroethene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
trans-1,3-Dichloropropene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Trichloroethene	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Vinyl chloride	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Xylene, m,p-	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Xylene, o-	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U
Xylenes, total	ug/kg	4.5 U	4.9 U	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 UJ	--	2 U	2 U
Arsenic	mg/kg	--	3.3	2.8	5	5	5.3	3.9	3.7	6.8	6.9	2.8	3.3	4.7	--	5.3	6.3
Barium	mg/kg	120	110	--	160	170	210	120	150	110	93	210	--	73 J	92	140	170
Beryllium	mg/kg	1 U	1 U	--	1 U	1 U	2 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	--	1 U	2 U
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.4 U	--	0.4 U	0.41 U	0.41 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	--	0.4 U	0.41 U
Chromium, total	mg/kg	18	16	--	15	13	18	26	25	12	15	18	19	23 J	--	13	12
Cobalt	mg/kg	--	5.9	8.4	4.7	6.1	7.5	10	6.5	4.9	5.5	8.6	8.5	9.7	--	4.8	4.8
Copper	mg/kg	--	7.2	9.7	7.4	10	10	14	9.9	7.9	8.8	6.6	12	18	--	7.6	7.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.4	2.2	--	6.1	7.1	4.8	2.9	3.5	6.4	6.8	2.4	--	3.7	3	5.4	6
Mercury	mg/kg	0.1 U	0.1 U	--	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	1 U	2 U	1 U	2.4	2 U	2 U	1 U	1 U	1 U	--	1 U	2 U
Nickel	mg/kg	12	9.3	--	9.6	9.3	12	16	11	9.4	11	11	13	16	--	9.5	9.1
Selenium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	--	1 U	1 U	2 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	--	1 U	2 U
Thallium	mg/kg	2 U	2 U	--	2 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U	2 U	2.1 U	--	2 U	4 U
Vanadium	mg/kg	33	25	--	25	23	30	38	25	24	26	35	--	36 J	35	23	23
Zinc	mg/kg	39	28	--	31	30	35	46	32	30	31	39	--	42 J	39	28	29
Metals CLP																	
Aluminum	mg/kg	--	--	--	6800	--	--	--	--	6500	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	23000	--	--	--	--	32000	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	13000	--	--	--	--	14000	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	6100	--	--	--	--	6600	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	250	--	--	--	--	260	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	1500	--	--	--	--	1400	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	600	--	--	--	--	340	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5.1 U	--	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	51 U	--	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	33 U	--	--	--	--	33 U	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	8.5 U	--	--	--	--	8.5 U	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5 U	--	5.1 U	6.8	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5 U	--	5.1 U	17	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.8 U	--	5.9	11	5.9 U	5.9 U	5.8 U	5.8 U	5.9 U	29	5.8 U	5.9 U	--	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	13	5 U	5.1 U	--	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5 U	--	5.1 U	5.9	5.1 U	5.1 U	5 U	5 U	5.1 U	12	5 U	5.1 U	--	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5 U	--	5.1 U	16	5.1 U	5.1 U	5 U	5 U	5.1 U	13	5 U	5.1 U	--	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5 U	--	5.1 U	17	5.1 U	5.1 U	5 U	5 U	5.1 U	12	5 U	5.1 U	--	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5 U	--	5.1 U	10	5.1 U	5.1 U	5 U	5 U	5.1 U	14	5 U	5.1 U	--	5 U	5.1 U
Chrysene	ug/kg	5.1 U	5 U	--	7.7	10	5.1 U	5.1 U	5 U	5 U	5.1 U	14	5 U	5.1 U	--	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	13	5 U	5.1 U	--	5 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	5 U	--	5.1 U	6.6	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1	5 U	5.1 U	--	5 U	5.1 U
Fluorene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5 U	--	5.1 U	10	5.1 U	5.1 U	5 U	5 U	5.1 U	12	5 U	5.1 U	--	5 U	5.1 U
Naphthalene	ug/kg	--	4.3 U	4.2 U	5.1 U	4.1 U	4.6 U	4.8 U	4.6 U	5 U	4.7 U	4.6 U	4.5 U	4.9 U	--	5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	--	7.7	82.1	0	0	0	0	0	114	0	0	--	0	0
PAH Low molecular weight	ug/kg	0	0	--	0	23.8	0	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5.1 U	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Pyrene	ug/kg	5.1 U	5 U	--	5.1 U	6.6	5.1 U	5.1 U	5 U	5 U	5.1 U	5.7	5 U	5.1 U	--	5 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	670 U	660 U	--	1700 U	1700 U	670 U	670 U	660 U	660 U	670 U	660 U	660 U	680 U	--	660 U	670 U
4-Chloroaniline	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	4200 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	4200 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	660 U	--	1700 U	1700 U	670 U	670 U	660 U	660 U	670 U	660 U	660 U	680 U	--	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Caprolactam	ug/kg	--	--	--	830 U	--	--	--	--	330 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	830 U	--	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Diethyl phthalate	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
	SAMPLE TOP DEPTH (FT)	9	14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
	SAMPLE TYPE			Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 J	--	10 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U
TPH as gasoline	mg/kg	0.82 U	1 U	--	--	0.84 U	0.86 U	0.96 U	0.89 U	--	0.96 U	0.86 U	0.8 U	0.9 U	--	--	0.79 U
TPH as motor oil	mg/kg	10 U	10 J	--	21.1	14.3	10 U	14.8	11.4 J	10 U	10 U	10 U	10 U	10 UJ	--	57.5 J	22.1 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1-Dichloroethene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1-Dichloropropene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,1-Trichloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,1,2-Tetrachloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,2-Trichloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,2,2-Tetrachloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dibromo-3-chloropropane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dibromoethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dichlorobenzene	ug/kg	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,2-Dichloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dichloropropane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2,3-Trichlorobenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2,3-Trichloropropane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2,4-Trichlorobenzene	ug/kg	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,2,4-Trimethylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,3-Dichlorobenzene	ug/kg	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,3-Dichloropropane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,3,5-Trimethylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,4-Dichlorobenzene	ug/kg	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,4-Dioxane	ug/kg	--	--	--	830 U	--	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
2-Hexanone	ug/kg	--	--	--	--	41 U	--	--	--	--	47 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Isopropyltoluene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Acetone	ug/kg	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	--
Acrolein	ug/kg	--	86 U	83 U	--	83 U	92 U	97 U	92 U	--	95 U	93 U	89 U	99 U	--	--	160 U
Acrylonitrile	ug/kg	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	80 U
Benzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Bromobenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromochloromethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromodichloromethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromoform	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromomethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Carbon disulfide	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Carbon tetrachloride	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chloro methane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chlorobenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chloroethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chloroform	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
cis-1,2-Dichloroethene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
cis-1,3-Dichloropropene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Cyclohexane	ug/kg	--	--	--	--	4.1 U	--	--	--	--	4.7 U	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8031	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE				Field Duplicate											Field Duplicate		
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Dibromomethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Dichlorodifluoromethane	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Ethyl- benzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Hexachlorobutadiene	ug/kg	--	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	1700 U	--	--	--	--	660 U	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Isopropylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Methyl acetate	ug/kg	--	--	--	--	4.1 U	--	--	--	--	4.7 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	80 U
Methyl isobutyl ketone	ug/kg	--	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	80 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Methylcyclohexane	ug/kg	--	--	--	--	4.1 U	--	--	--	--	4.7 U	--	--	--	--	--	--
Methylene chloride	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
N-Butylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
N-Propylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Nitrobenzene	ug/kg	330 U	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
p-Chlorotoluene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
sec-Butylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Styrene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
tert-Butylbenzene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Tetrachloroethene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Toluene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
trans-1,2-Dichloroethene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
trans-1,3-Dichloropropene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Trichloroethene	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Vinyl chloride	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Xylene, m,p-	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Xylene, o-	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Xylenes, total	ug/kg	--	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U
Arsenic	mg/kg	3	4.4	6.2	5	7.2	6	2.8	3.1	4.8	7	7	4.6	3.3	--	5.4	4
Barium	mg/kg	61	220	120 J	150	150	240	120	110	160	160	150	130	--	130	190	180
Beryllium	mg/kg	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.41 U	0.41 U	0.46	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	0.4 U	--	0.4 U	0.4 U
Chromium, total	mg/kg	9	15	13	15	22	18	17	13	14	14	10	9.5	--	18	17	18
Cobalt	mg/kg	2.8	5.5	5.9	5.2	5.7	6.7	7	6.7	4.8	4.9	4.2	4.2	--	7.3	7.1	8.3
Copper	mg/kg	4.1	7.6	8.2	9.4	15	15	7.4	9	8.8	7.6	6.5	6.7	9.6	--	11	9.5
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.8	3.6	5	7.2	11	4.8	1.6	2.6	4.8	5.5	5.5	5.3	3	--	3.8	2.7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1.1	2 U	2 U	1 U	1 U	--	1 U	1 U
Nickel	mg/kg	5	9.1	9.4	8.8	13	12	10	10	10	9.4	8.2	8.1	13	--	10	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	2 U	2 U	4.1 U	2 U	4 U	4.1 U	2 U	2 U	2 U	4 U	4.1 U	2 U	2 U	--	2 U	2 U
Vanadium	mg/kg	13	23	22	23	23	25	26	27	24	22	19	18	--	28	30	33
Zinc	mg/kg	13	29	32	34	32	35	33	31	27	29	25	24	--	33	35	36
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE															Field Duplicate		
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.9 U	6.8	5.9 U	5.9 U	5.8 U	5.9 U	29	5.9 U	5.9 U	5.9 U	5.9 U	--	5.8 U	5.8 U
Benzo (a) anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Benzo (a) pyrene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5.1 U	11 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Benzo (ghi) perylene	ug/kg	5 U	5 U	5.1 U	5.3 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5.1 U	9.8 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Chrysene	ug/kg	5 U	5 U	5.1 U	11 J	5.1 U	5.1 U	5 U	5.1 U	26	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5 U	5.1 U	8.1 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Fluorene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Naphthalene	ug/kg	4.9 U	4.4 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	4.3 U	25 U	5.1 U	5.1 U	5.1 U	--	4.2 U	5 U	5 U
PAH High molecular weight	ug/kg	0	0	0	52.3	0	0	0	0	26	0	0	0	0	--	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Pyrene	ug/kg	5 U	5 U	5.1 U	7.1 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	6600 U	670 U	670 U	670 U	670 U	--	660 U	660 U
4-Chloroaniline	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	17000 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	17000 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	6600 U	670 U	670 U	670 U	670 U	--	660 U	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Diethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	11 J	10 UJ	10 UJ	10 UJ	10 UJ	--	30.4 J	10 J
TPH as gasoline	mg/kg	0.89 UJ	0.91 U	0.94 UJ	--	0.97 U	1 UJ	1.1 UJ	1 UJ	--	0.99 U	0.98 U	0.92 U	--	0.92 U	--	0.84 U
TPH as motor oil	mg/kg	57 J	14 J	10 UJ	10 UJ	56.7 J	38.9 J	10 UJ	10 UJ	134 J	28.2 J	10.9 J	10 UJ	10 UJ	--	172 J	16.4 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1-Dichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1-Dichloropropene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1,1-Trichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1,1,2-Tetrachloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1,2-Trichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,1,2,2-Tetrachloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2-Dibromo-3-chloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2-Dibromoethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2-Dichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U	5.1 U
1,2-Dichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2-Dichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2,3-Trichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2,3-Trichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,2,4-Trichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U	5.1 U
1,2,4-Trimethylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,3-Dichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U	5.1 U
1,3-Dichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,3,5-Trimethylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
1,4-Dichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U	5.1 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
4-Isopropyltoluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Acetone	ug/kg	49 U	44 U	--	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--	51 U
Acrolein	ug/kg	97 U	87 U	110 U	--	120 U	110 U	120 U	87 U	--	120 U	120 U	100 U	--	84 U	--	100 U
Acrylonitrile	ug/kg	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--	51 U
Benzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Bromobenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Bromochloromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Bromodichloromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Bromoform	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Bromomethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Carbon disulfide	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Carbon tetrachloride	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Chloro methane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Chlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Chloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Chloroform	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
cis-1,2-Dichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
cis-1,3-Dichloropropene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077	AOC14-SS-3-8078
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5	3
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Dibromomethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Dichlorodifluoromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Ethyl- benzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Hexachlorobutadiene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U	5.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
Isopropylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--	51 U
Methyl isobutyl ketone	ug/kg	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--	51 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
N-Butylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
N-Propylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Nitrobenzene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U	330 U
p-Chlorotoluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
sec-Butylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Styrene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
tert-Butylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Tetrachloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Toluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
trans-1,2-Dichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
trans-1,3-Dichloropropene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Trichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Vinyl chloride	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Xylene, m,p-	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Xylene, o-	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U
Xylenes, total	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	14	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	15	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	1.4 U	--	--	--	280	290	240
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.43 U	--	--	--	1.3 U	170 U	100 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.093 U	--	--	--	1.7 U	1.7 U	14
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.059 U	--	--	--	1.4 J	1.9 U	1.3 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.1 U	--	--	--	1.5 U	4.3 U	2.7 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.095 U	--	--	--	7.8 J	11 J	1.3 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.058 U	--	--	--	2.1 J	5.8 U	13 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.073 U	--	--	--	0.53 U	1 U	0.63 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.06 U	--	--	--	0.47 U	0.95 U	1.1 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.09 U	--	--	--	4.9 J	2.7 U	2.1 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.15 U	--	--	--	0.68 U	0.76 U	1.5 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.062 U	--	--	--	65 U	1.9 J	1.3 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.063 U	--	--	--	0.88 U	1 U	1.2 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.053 U	--	--	--	0.14 U	0.37 U	0.26 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.15 U	--	--	--	0.68 U	0.37 U	0.41 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	11 J	--	--	--	3300	3300	2600
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.32 U	--	--	--	110	190	96
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	0.2	--	--	--	6	3.8	4
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	0.12	--	--	--	9.3	7.6	6.8
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	0.12	--	--	--	9.3	7.6	6.8
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	9	9.1	8.5	8	8.4	8.5	8.6
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U
Arsenic	mg/kg	2.9	3	3.2	5	5	4.5	3	2.7	--	4	3.1	2	1.2	2.6	3.1	2.5
Barium	mg/kg	100	160	89	190	130	120	120	120	--	160	130	90	98	110	91	100
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	--	0.2 U	0.35	0.2 U	0.2 U	0.3	0.36	0.21 U
Chromium, total	mg/kg	12	16	17	15	14	16	16	17	--	11	17	17	13	15	22	11
Cobalt	mg/kg	5.4	7	8.9	6.3	4.4	4.1	8	--	8.6	6.3	5.8	6.7	7.2	4.1	5.4	4.1
Copper	mg/kg	6.7	8.4	9.5	8.1	6.9	6.4	11	11	--	12	11	11	8.6	8.3	9.7	7.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	2.2	2.4	5.1	10	11	2.3	3	--	5.4	28	2.9	1.9	5.7	8.4	6.9
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	7.2	11	11	9.6	7	6.7	11	11	--	8.8	9	11	8.7	7.3	12	7.7
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U
Vanadium	mg/kg	23	31	34	27	20	19	31	32	--	28	27	31	32	22	24	19
Zinc	mg/kg	29	32	35	31	27	27	32	37	--	31	37	31	29	26	31	27
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	14	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	15	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	51 UJ	52 UJ	51 UJ	50 UJ	51 U	51 U	52 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	34 U	35 U	33 U	33 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	30 J	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U	8.5 U	8.5 U	30	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Anthracene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.9 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U	--	5.9 U	33	5.9 U	5.8 U	6.8	6 U	6 U
Benzo (a) anthracene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	12	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Benzo (a) pyrene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	19	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	82	5.1 U	5 U	12 J	5.2 U	5.2 U
Benzo (ghi) perylene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	14	5.1 U	5 U	5.1 UJ	5.2 UJ	5.2 UJ
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	39	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Chrysene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	52 J	5.1 U	5 U	6.8	5.2 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 UJ	5.2 UJ	5.2 UJ

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	14	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	15	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	38	5.1 U	5 U	5.4	5.2 U	5.2 U
Fluorene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	16	5.1 U	5 U	5.1 UJ	5.2 UJ	5.2 UJ
Naphthalene	ug/kg	4.4 U	3.9 U	4.8 U	5 U	5 U	3.8 U	4.5 U	3.3 U	--	5.1 U	5.3 U	3.7 U	5 U	5.1 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	305	0	0	30.3	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Pyrene	ug/kg	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	33	5.1 U	5 U	6.1	5.2 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1700 UJ
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	660 U	660 U	670 U	670 U	670 U	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	670 U	660 U	660 U	670 U	670 U	670 U	--	670 U	690 U	670 U	670 U	680 U	680 U	690 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
	SAMPLE TOP DEPTH (FT)	5	9	14	0	2	5	9	14	14	2	0	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	15	0.5	3	6	10	15	15	3	1	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5	3	6
	SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 J	10 J	10 J	10 J	10 J	10 J	10 UJ	--	10 J	10 U	18	10 U	10 U	12	160	30
TPH as gasoline	mg/kg	0.96 U	0.85 U	0.97 U	--	0.96 U	0.83 U	0.85 U	0.63 U	--	1.7 U	--	1.4 U	1.3 U	--	1.1 U	1.2 U
TPH as motor oil	mg/kg	24.7 J	10 J	10 J	14.3 J	11.2 J	10.1 J	10 UJ	--	10 J	10 U	99	10 U	10 U	93	520	130
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
1,1-Dichloroethene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
1,1-Dichloropropene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,1-Trichloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,1,2-Tetrachloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,2-Trichloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,1,2,2-Tetrachloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dibromo-3-chloropropane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dibromoethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dichlorobenzene	ug/kg	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,2-Dichloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2-Dichloropropane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2,3-Trichlorobenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2,3-Trichloropropane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,2,4-Trichlorobenzene	ug/kg	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,2,4-Trimethylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,3-Dichlorobenzene	ug/kg	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,3-Dichloropropane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,3,5-Trimethylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
1,4-Dichlorobenzene	ug/kg	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U	6.2 U	8.1 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Acetone	ug/kg	44 U	39 U	--	--	64 U	38 U	45 U	--	37 UJ	63 U	--	37 U	63 U	--	62 UJ	81 UJ
Acrolein	ug/kg	88 U	78 U	97 U	--	130 U	75 U	90 U	65 U	--	130 U	--	74 U	130 U	--	120 UJ	160 UJ
Acrylonitrile	ug/kg	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	63 U	--	37 U	63 U	--	62 U	81 U
Benzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Bromobenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromochloromethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromodichloromethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromoform	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Bromomethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	26	--	11	6.3 U	--	6.2 U	8.1 U
Carbon disulfide	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Carbon tetrachloride	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Chloro methane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	11	--	5.3	6.3 U	--	6.2 UJ	8.1 UJ
Chlorobenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Chloroethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Chloroform	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
cis-1,2-Dichloroethene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
cis-1,3-Dichloropropene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18	AOC27-18	AOC27-18
	SAMPLE	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528	AOC27-18-28529	AOC27-18-28530
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	14	2	0	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	15	3	1	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Dibromomethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Dichlorodifluoromethane	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Ethyl- benzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Hexachlorobutadiene	ug/kg	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	690 U	3.7 U	6.3 U	680 U	6.2 U	8.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	63 U	--	37 U	63 U	--	62 U	81 U
Methyl isobutyl ketone	ug/kg	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	63 U	--	37 U	63 U	--	62 U	81 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
N-Butylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
N-Propylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
sec-Butylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Styrene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
tert-Butylbenzene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Tetrachloroethene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Toluene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
trans-1,2-Dichloroethene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
trans-1,3-Dichloropropene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Trichloroethene	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Vinyl chloride	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 UJ	8.1 UJ
Xylene, m,p-	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Xylene, o-	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U
Xylenes, total	ug/kg	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--	6.2 U	8.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	330	16	15	--	--	470	130	200	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	96 U	0.54 U	0.076 U	--	--	67	15	31	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	1.2 U	0.29 U	0.26 U	--	--	4.1 J	2.2 J	1.8 U	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	1.7 U	0.13 U	0.33 U	--	--	2.8 U	1.1 U	2.1 U	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	5.5 U	0.64 U	0.31 U	--	--	6.4 U	3.3 U	3.8 U	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	5.4 J	0.56 J	0.44 U	--	--	16	5.5 J	8.8 J	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	14 U	1.3 U	0.89 U	--	--	5.5 J	1.8 J	1.9 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.83 U	0.27 U	0.17 U	--	--	1.4 U	0.4 U	1.6 J	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	1.5 U	0.31 U	0.53 U	--	--	0.41 U	0.35 U	0.59 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	1.1 U	0.41 U	0.35 U	--	--	7.3 J	5.2 U	3.2 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	2 U	0.15 U	0.39 U	--	--	3.2 U	0.41 U	2.4 U	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	66 U	4.4 U	5.6 U	--	--	160 U	48 U	75 U	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	1.6 U	0.33 U	0.56 U	--	--	0.92 U	0.35 U	0.59 U	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.2 U	0.066 U	0.066 U	--	--	0.54 U	0.16 U	0.95 U	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.9 U	0.31 U	0.34 U	--	--	0.44 U	0.17 U	0.54 J	--	--	--	--	--	--	--
OCDD	ng/kg	--	3800	160	130	--	--	4200	1000	1700	--	--	--	--	--	--	--
OCDF	ng/kg	--	110	6.2 J	7.2 J	--	--	170	36	84	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	7.4	0.87	1	--	--	13	4	8	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	11	0.84	0.83	--	--	19	5.8	10	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	11	0.84	0.83	--	--	19	5.8	10	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.6	8.7	9.7	9.3	8.6	8.1	9.2	8.5	9.5	8.5	--	9.2	8.7	8.4	8.4	8.1
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.5	2.7	4.2	5.3	3.5	2.1	1.9	3.2	2.4	3.5	--	3.9	2.6	2.6	2	3.2
Barium	mg/kg	81	110	100	150	160	96	84	70 J	65	32	--	180	150	120	130	150
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.2	0.2 U	0.2	0.28	0.2 U	0.2 U	0.2 U	0.21 U	0.29	0.21 U	--	0.36	0.2 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	22	11	13	16	11	14	17	19	20	20	--	29	19	14	20	15
Cobalt	mg/kg	3.2	3.9	3.2	3.9	5.2	6.6	7.2	8.8	7.2	9.5	--	6.2	6.6	6.5	7.5	6.9
Copper	mg/kg	6.8	6.6	5.6	8.1	8.5	9.3	9.2	--	27	11	9.7	12	9.4	11	14	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.1	10	3.8	5.7	4.9	3.3	8.4	4.6	15	2.7	--	6.2	3.6	4.1	3	4.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.13	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	5.4	6.7	5.2	5.7	7.9	9.1	10	14	14	14	--	9.2	9.8	9.2	13	10
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	17	18	19	23	24	32	27	--	27	38	32	31	33	30	34	31
Zinc	mg/kg	47	250	24	24	30	32	38	42	74	41	--	37	33	30	34	32
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
4,4-DDE	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
4,4-DDT	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endrin	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endrin aldehyde	ug/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	52 U	51 U	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	52 UJ	52 UJ	52 UJ	--	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	33 U	34 U	34 U	34 U	34 U	35 U	34 U	--	33 U	34 U	33 U	34 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	35 J	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	35	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.4	6.1	5.9 U	38	5.9 U	5.9 U	10	6 U	6.5	6 U	--	6.5	7.3	6.2	32	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.1 U	5.1 U	11	5.1 U	5.1 U	6.4	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1	5.1 U
Benzo (a) pyrene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	26	5.1 U	5.1 U	5.4	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	25	5.1 U
Benzo (b) fluoranthene	ug/kg	6.9 J	5.1 J	5.1 U	65	5.1 U	5.1 U	14	5.2 U	7.3	5.2 U	--	8.5 J	17 J	5.4	28	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	15	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	16	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	32	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	8.5 J	5.1 U	5.1 U	16	5.1 U
Chrysene	ug/kg	5.2 U	5.1 U	5.1 U	30 J	5.1 U	5.1 U	8.1	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	8.5	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	12	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1	5.1 U
Fluorene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 UJ	5.1 UJ	5.1 U	13	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	13	5.1 U
Naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	6.9	5.1	0	197	0	0	57.9	0	12.5	0	--	17	17	5.4	122	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5.4	5.1 U	5.1 U	12	5.2 U	5.2	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
	SAMPLE TOP DEPTH (FT)	9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	27	49	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.2 U	--	1.1 U	1.2 U	1.1 U	--	1.5 U	1.2 U	1.4 U	--	--	1.3 U	1 U	1.2 U	--
TPH as motor oil	mg/kg	120	190	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1-Dichloroethene	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1-Dichloropropene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,1-Trichloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,1,2-Tetrachloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,2-Trichloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,1,2,2-Tetrachloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dibromo-3-chloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dibromoethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,2-Dichloroethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2-Dichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2,3-Trichlorobenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2,3-Trichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,2,4-Trichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,2,4-Trimethylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,3-Dichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,3-Dichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,3,5-Trimethylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
1,4-Dichlorobenzene	ug/kg	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U	5.5 U	6 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
4-Isopropyltoluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Acetone	ug/kg	60 UJ	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Acrolein	ug/kg	120 UJ	110 UJ	--	100 U	120 U	100 U	--	140 U	110 U	140 U	--	--	160 U	110 U	120 U	--
Acrylonitrile	ug/kg	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Benzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Bromobenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromochloromethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromodichloromethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromoform	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Bromomethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Carbon disulfide	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Carbon tetrachloride	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chloro methane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chlorobenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chloroethane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Chloroform	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
cis-1,2-Dichloroethene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
cis-1,3-Dichloropropene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24	AOC27-24	AOC27-24	AOC27-24SW
	SAMPLE	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553
	DATE	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		9	4	0	2	5	9	0	2	5	9	2	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		10	5	1	3	6	10	1	3	6	10	3	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5
	SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Dibromomethane	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Dichlorodifluoromethane	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Ethyl- benzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Hexachlorobutadiene	ug/kg	6 U	5.6 U	670 U	5.2 U	5.8 U	5.2 U	670 U	6.8 U	5.6 U	7.1 U	--	670 U	7.8 U	5.5 U	6 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
Isopropylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Methyl isobutyl ketone	ug/kg	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U	55 U	60 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	6 UJ	5.6 UJ	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
N-Butylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
N-Propylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	340 U
p-Chlorotoluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
sec-Butylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Styrene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
tert-Butylbenzene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Tetrachloroethene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Toluene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
trans-1,2-Dichloroethene	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
trans-1,3-Dichloropropene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Trichloroethene	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Vinyl chloride	ug/kg	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Xylene, m,p-	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Xylene, o-	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--
Xylenes, total	ug/kg	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U	5.5 U	6 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	1100	77	6.2 U	--	740	2.4 U	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.39 U	0.38 U	45	0.88 U	0.076 U	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.73 J	0.36 U	6 J	3.7 U	0.2 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	8.9 J	0.79 U	0.28 U	--	3.9 U	0.072 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	7.1 J	1.5 U	0.66 U	--	21	0.09 U	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	20	2.1 J	0.21 U	--	11 U	0.095 U	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.77 U	0.25 U	0.81 U	9.7 U	0.095 U	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.46 U	0.19 U	1.2 J	1.5 U	0.099 U	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.4 U	0.35 U	0.092 U	--	0.48 U	0.18 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	7.8 J	1.3 J	0.21 U	--	5.7 U	0.09 U	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.31 U	0.92 U	0.32 U	--	0.52 U	0.084 U	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.3 U	15 U	0.83 U	--	98 U	0.62 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.43 U	0.17 U	0.093 U	--	0.57 U	0.19 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.16 U	0.34 U	0.1 U	--	0.24 U	0.054 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.73 J	0.33 U	0.11 U	--	0.29 U	0.099 U	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	11000	790	88 U	--	10000	35	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	260	31	0.29 U	--	200	0.73 U	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	1.9	0.37 U	14	9.3	0.29	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	2.8	0.34 U	26	18	0.2	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	2.8	0.34 U	26	18	0.2	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	8.1	8.3	8.6	7.9	8.2	8.2	8.2	8.5	8.4	8.1	9.2	--	8.5	8.4	9.3
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2.1 UJ	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Arsenic	mg/kg	4.4	1.8	1.2	3.3	2.6	4.6	4.4	2.8	5.2	--	4	1.1	3.2	4.1	1.3	3.4
Barium	mg/kg	170	100	97	100	100	150 J	210	100	81	--	180	76	150 J	120	82	110
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1.5	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.34	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.22 U	--	0.2 U	0.2 U	0.28	0.48	0.2 U	0.31
Chromium, total	mg/kg	17	20	12	22	16	14	14	16	13	16	13	14	--	21	15	15
Cobalt	mg/kg	5.4	7.6	7	6.4	7.6	5.4	3.9	6.1	5.6	--	5.7	7.1	4.8	4.7	6.9	3.7
Copper	mg/kg	8.9	11	9.3	11	8.2	11	7	8.8	11	--	9.5	8.1	8.9	14	9.2	7.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7	2.9	1.9	5.5	3.8	6	4.3	3.7	6.5	7.3	5.9	2	--	38	2.4	7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.12	0.1	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.099 U	--	0.1 U	0.099 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	8.1	12	8.4	11	12	11	7	9.8	11	7.2	8.1	9.1	--	8.8	10	7.2
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Vanadium	mg/kg	25	29	32	34	36	25	21	29	27	--	25	36	25	24	34	19
Zinc	mg/kg	29	33	29	38	38	59 J	24	29	34	31	27	28	--	500	32	48
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
4,4-DDE	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
4,4-DDT	ug/kg	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Dieldrin	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endrin	ug/kg	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	5.1 UJ	5.2 UJ	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Toxaphene	ug/kg	51 UJ	51 UJ	51 UJ	51 UJ	52 UJ	51 U	52 U	54 U	55 U	51 U	51 UJ	50 UJ	--	51 U	50 U	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	33 U	34 U	34 U	34 U	34 U	36 U	36 U	34 U	33 U	33 U	--	34 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	32	17 U	49 J	20	18 U	18 U	--	17 U	17 U	21	17 U	17 U	17
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	32	8.5 U	49	20	9 U	9 U	--	8.5 U	8.5 U	21	8.5 U	8.5 U	17
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U	6.8	22	5 U	14
B(a)P Equivalent	ug/kg	7.4	6.2	5.9 U	11	6 U	6.5	6.3	6.2 U	6.4 U	--	6.7	5.8 U	24	85	5.8 U	27
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 UJ	5.2 UJ	5.4 UJ	5.5 UJ	--	5.1 U	5 U	11	26 J	5 UJ	6.1 J
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	6.1	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U	12	58 J	5 U	16 J
Benzo (b) fluoranthene	ug/kg	18 J	5.4 J	5.1 U	14	5.2 U	8.2	5.2	5.4 U	5.5 U	--	10	5 U	66	190 J	5 U	65 J
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1	5 U	12	22 J	5 U	14 J
Benzo (k) fluoranthene	ug/kg	5.1 U	7.8 J	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	8.4	5 U	22	68 J	5 U	20 J
Chrysene	ug/kg	5.1 U	5.1 U	5.1 U	10	5.2 U	5.1	5.2 U	5.4 U	5.5 U	--	8.1 J	5 U	36 J	89 J	5 U	30 J
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 UJ	5.1 U	5 U	--	5.1 UJ	5 U	5.1 UJ

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Fluoranthene	ug/kg	6.4	5.1 U	5.1 U	16	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	9.1	5 U	25	20	5 U	9.9
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U	12	16 J	5 U	8.5 J
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1 U	5 U	5.1 U
PAH High molecular weight	ug/kg	30.5	13.2	0	60.1	0	13.3	5.2	0	0	--	51.7	0	220	510	0	179
PAH Low molecular weight	ug/kg	0	0	0	5.4	0	0	0	0	0	--	0	0	6.8	32.2	0	14
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	5.4	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U	--	5.1	5 U	5.1 U
Pyrene	ug/kg	6.1	5.1 U	5.1 U	14	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	11	5 U	24	21	5 U	9.5
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2-Chlorophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2-Methylphenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1800 UJ	1800 UJ	1700 UJ	1700 UJ	1700 UJ	--	1700 UJ	1700 UJ	1700 UJ
2,4-Dinitrotoluene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
4-Chloroaniline	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Methylphenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U	--	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Butylbenzylphthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Dibenzofuran	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Diethyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Dimethyl phthalate	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Hexachlorobenzene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Hexachloroethane	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	10 U	10 U	10 U	--	18	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.1 U	1.1 U	--	1.4 UJ	--	1.3 U	1.4 U	1.6 U	--	0.76 U	1.2 U	--	1.2 U	1.1 U	--
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	--	11	12	48	91	10 U	54
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
1,1-Dichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
1,1-Dichloropropene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,1-Trichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,1,2-Tetrachloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,2-Trichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,1,2,2-Tetrachloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dibromo-3-chloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dibromoethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,2-Dichloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2-Dichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2,3-Trichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2,3-Trichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,2,4-Trichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,2,4-Trimethylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,3-Dichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,3-Dichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,3,5-Trimethylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
1,4-Dichlorobenzene	ug/kg	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U	--	5.6 U	6.4 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
2,4,5-Trichlorophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
4-Isopropyltoluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Acetone	ug/kg	74 U	57 UJ	2900 UJ	--	83 UJ	--	60 UJ	64 U	65 UJ	--	68 U	61 U	--	56 UJ	64 U	--
Acrolein	ug/kg	150 U	110 U	5800 U	--	170 U	--	120 UJ	130 UJ	130 UJ	--	140 U	120 U	--	110 UJ	130 UJ	--
Acrylonitrile	ug/kg	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U	--	56 U	64 U	--
Benzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Bromobenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromochloromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromodichloromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromoform	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Bromomethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Carbon disulfide	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Carbon tetrachloride	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Chloro methane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Chlorobenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Chloroethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Chloroform	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
cis-1,2-Dichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
cis-1,3-Dichloropropene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4	AOC27-4	AOC27-5	AOC27-5	AOC27-5
	SAMPLE	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533
	DATE	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	0	2	5	9.6	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	1	3	1	3	6	10	1	3	6	1	3	6	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5
SAMPLE TYPE														Field Duplicate			
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Dibromomethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Dichlorodifluoromethane	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Ethyl- benzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Hexachlorobutadiene	ug/kg	7.4 U	5.7 U	290 U	670 U	8.3 U	680 U	6 U	6.4 U	6.5 U	670 U	6.8 U	6.1 U	--	5.6 U	6.4 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
Isopropylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U	--	56 U	64 U	--
Methyl isobutyl ketone	ug/kg	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U	--	56 U	64 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 UJ	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 UJ	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
N-Butylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
N-Propylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Nitrobenzene	ug/kg	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U	--	340 U	330 U	330 U
p-Chlorotoluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
sec-Butylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Styrene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
tert-Butylbenzene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Tetrachloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Toluene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
trans-1,2-Dichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
trans-1,3-Dichloropropene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Trichloroethene	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Vinyl chloride	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U	--	5.6 UJ	6.4 U	--
Xylene, m,p-	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Xylene, o-	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--
Xylenes, total	ug/kg	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U	--	5.6 U	6.4 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	96	420	9 J	--	71	6.2 J	2.2 J	610	180	47	1500	1500	45	330	31
1,2,3,4,6,7,8-HpCDF	ng/kg	--	19	79 U	1.5 U	--	15	1.2 J	0.27 U	99	24	10 J	240	380	0.48 U	67	4.7 J
1,2,3,4,7,8-HxCDD	ng/kg	--	3.7 J	15 U	0.31 U	--	2.5 J	0.29 J	0.057 U	32	7.3 J	1.9 J	38	62	2 J	11 J	1.4 J
1,2,3,4,7,8-HxCDF	ng/kg	--	3.2 J	12 J	0.2 U	--	1.6 J	0.072 U	0.094 U	14	3.6 J	0.77 U	27	68	1.1 J	7 J	0.72 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	1.2 U	6.6 J	0.95 U	--	0.91 U	0.13 U	0.051 U	6.4 J	1.6 J	0.19 U	17	36	0.57 U	3.9 U	1.2 U
1,2,3,6,7,8-HxCDD	ng/kg	--	9.1 J	52	0.27 U	--	6.4 J	0.87 J	0.057 U	77	17	5.2 J	100	160	4.1 J	27	1.8 U
1,2,3,6,7,8-HxCDF	ng/kg	--	3.6 J	13 U	0.13 U	--	1.7 J	0.15 U	0.09 U	12 J	2.8 U	0.92 U	26	25 U	0.88 J	6.6 U	0.52 U
1,2,3,7,8-PeCDD	ng/kg	--	5.8 J	32	0.17 U	--	4 J	0.51 U	0.074 U	70	17	4.3 J	45	110	2.4 J	14	1.4 J
1,2,3,7,8-PeCDF	ng/kg	--	1.9 U	5.7 U	0.14 U	--	0.89 U	0.14 U	0.11 U	7.6 J	2 J	0.29 U	16	39	0.59 U	3.9 J	0.43 U
1,2,3,7,8,9-HxCDD	ng/kg	--	7.4 J	34	0.38 U	--	5.6 J	0.68 J	0.056 U	67	16	4.7 U	63 U	120	3.1 U	21	1.3 U
1,2,3,7,8,9-HxCDF	ng/kg	--	0.9 U	3 U	0.55 J	--	0.27 U	0.083 U	0.11 U	3.1 J	0.94 U	0.57 U	5.7 U	14 U	0.2 U	1 U	1.2 U
2,3,4,6,7,8-HxCDF	ng/kg	--	4.3 J	13 U	0.34 U	--	12 U	0.8 U	0.41 U	14	18 U	5.9 U	26	81	1 U	30 U	5.1 U
2,3,4,7,8-PeCDF	ng/kg	--	3.1 J	12 J	0.14 U	--	1.5 J	0.14 U	0.11 U	11 J	3.2 J	0.68 U	26	65	0.85 J	6.7 J	0.51 J
2,3,7,8-TCDD	ng/kg	--	1.5 U	9.1 U	0.091 U	--	1.3 J	0.099 U	0.038 U	19	5.7	0.87 U	6.4	29	0.25 U	4 J	0.17 U
2,3,7,8-TCDF	ng/kg	--	1.2 J	4.6 U	0.31 U	--	0.78 J	0.067 U	0.026 U	5.4	1.5 J	0.35 U	17	26 U	0.15 U	3.9 J	0.43 U
OCDD	ng/kg	--	380	1100	33 U	--	420	29 U	27 U	2300	860	330 B	6500	4000	190 U	1500	170 U
OCDF	ng/kg	--	12 J	40	0.89 U	--	34	1 U	0.85 U	84	29	12 U	140	190	5.4 U	53	6.8 U
TEQ Avian	ng/kg	--	13	59	0.5	--	9.6	0.58	0.17	120	32	6.2	110	260	4.1	36	2.9
TEQ Human	ng/kg	--	12	57	0.41	--	9.2	0.65	0.15	120	32	6.9	110	230	4.3	33	2.8
TEQ Mammals	ng/kg	--	12	57	0.41	--	9.2	0.65	0.15	120	32	6.9	110	230	4.3	33	2.8
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	9.4	8.2	8.4	8.2	--	--	--	8.2	9.8	9.1	10	10	8.8	10	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	3.5	2 U	2 U	2 U
Arsenic	mg/kg	1.6	2.1	4.4	2.1	2.1	2.3	1 U	1.4	5.2	3.4	2.7	5.7	20	2.6	2	2.5
Barium	mg/kg	93	180	190	62	36	130	68	97	200	120	70	190	180	28	130	39
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1.1	1 U	1 U	2.3	1 U	1.2	1.5	1 U	1 U	1.7	4.5	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.3	1.3	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.87 J	4.8	0.21 U	2.7	4	0.5	0.49	0.2 U
Chromium, total	mg/kg	13	25	50 J	18	18	20	10	13	43	24	39	150	290	16	20	17
Cobalt	mg/kg	6.3	8.3	7.6	8	7.7	7.7	5	6.3	6.7	6.9	8.6	11	16	7.7	7	7.3
Copper	mg/kg	8.6	25	100 J	7.9	9.1	36	7.4	8.3	500	76	18	580	1000	9.8	29	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.5	73	190 J	2.1	2.1	19	1.4	1 U	630	37	51	170	570	2.6	24	6.1
Mercury	mg/kg	0.1 U	0.13	0.47	0.13	0.12	0.1 U	0.1 U	0.1 U	0.51	0.26	0.14	0.32	0.95	0.1 U	0.17	0.1 U
Molybdenum	mg/kg	1 U	1 U	4.7 J	1 U	1 U	1 U	1 U	1 U	8.3	1 U	1 U	11	26	1 U	1 U	1 U
Nickel	mg/kg	8.8	13	16	14	13	15	6.9	8.2	22	16	26	35	97	12	11	12
Selenium	mg/kg	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1.7 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2 UJ	2 UJ	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2 U	2 U	2 U
Vanadium	mg/kg	30	38	26 J	29	31	22	18	24	23	26	33	27	17	29	28	30
Zinc	mg/kg	33	250	330 J	39	38	1200	28	30	700	130	92	420	1300	38	93	45
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	8100	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	21000	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	0.21 U	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	28000	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	6200	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	310	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	2900	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	460	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
4,4-DDE	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
4,4-DDT	ug/kg	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endrin	ug/kg	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U	2 U	2.3 U	2.1 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 UJ	5.2 UJ	5.2 UJ	5.2 U	--	--	5.3 U	5.2 U	5.2 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	51 U	51 UJ	51 UJ	52 UJ	52 UJ	52 U	--	--	53 UJ	52 UJ	52 UJ	51 UJ	57 UJ	51 UJ	51 UJ	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	34 U	34 U	34 U	34 U	34 U	33 U	33 U	35 U	34 U	34 U	34 U	38 U	34 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	19 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	9 U	8.5 U	8.5 U	8.5 U	9.5 U	8.5 U	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	8.3	5.1 U	5.1 U	51 J	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	39	9.2 J	5.2 U	5.2 U	55	5.1 U	5.1 U	710 J	6.9	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.4	400	1300	6 U	6 U	370	5.9 U	5.9 U	3300	1200	20	470	96	5.9 U	42	5.9 U
Benzo (a) anthracene	ug/kg	5 UJ	440	1300	5.2 U	5.2 U	490 J	5.1 U	5.1 U	3400 J	560	9.3	430	94 J	5.1 U	28	5.1 U
Benzo (a) pyrene	ug/kg	5 U	270	930 J	5.2 U	5.2 U	250 J	5.1 U	5.1 U	2000 J	930 J	13	340 J	57 U	5.1 U	30	5.1 U
Benzo (b) fluoranthene	ug/kg	8.7	540	2100 J	5.2 U	5.2 U	560	5.1 U	5.1 U	3400 J	1800 J	24	740 J	260 J	5.1 U	47	5.1 U
Benzo (ghi) perylene	ug/kg	5 U	79	130	5.2 U	5.2 U	140 J	5.1 U	5.1 U	1500 J	22	6.9	25 J	57 U	5.1 U	16	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	160	830 J	5.2 U	5.2 U	130 J	5.1 U	5.1 U	1300 J	660 J	7.2	410 J	94	5.1 U	17	5.1 U
Chrysene	ug/kg	8.1	480	1200	5.2 U	5.2 U	410 J	5.1 U	5.1 U	3000 J	580	10	400	100 J	5.1 U	31	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	20	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	530 J	6.9	5.1 U	5.1 U	57 U	5.1 U	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	15	1100	2800	5.2 U	5.2 U	920	5.1 U	5.1 U	8600 J	660	12	540	100 J	5.1 U	33	5.1 U
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	9.2 J	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	81	95	5.2 U	5.2 U	140 J	5.1 U	5.1 U	1200 J	19	5.5	24 J	57 U	5.1 U	13	5.1 U
Naphthalene	ug/kg	5.3	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	6.4 J	5.2 U	5.1 U	5.1 U	5.7 U	5.1 U	5.1 U	4.9 U
PAH High molecular weight	ug/kg	44.8	4040	11700	0	0	3780	0	0	31500	5830	98.9	3390	736	0	250	0
PAH Low molecular weight	ug/kg	5.3	459	779	0	0	543	0	0	3880	40.9	0	25	60	0	9.2	0
Phenanthrene	ug/kg	16	420	770	5.2 U	5.2 U	480 J	5.1 U	5.1 U	3100 J	34	5.1 U	25	60 J	5.1 U	9.2	5.1 U
Pyrene	ug/kg	13	870	2300	5.2 U	5.2 U	740	5.1 U	5.1 U	6600 J	590	11	480	88 J	5.1 U	35	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
4-Chloroaniline	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U	670 U	750 U	680 U	680 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U	1700 U	1900 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	120	10 U	10 U	12	10 U	10 U	79	11	10 U	35	96	10 U	10 U	10 U
TPH as gasoline	mg/kg	2 U	--	1.2 U	1.4 U	1.3 U	1.6 U	1.4 U	1.2 U	--	1.5 U	1.4 U	--	2.2 U	1.3 U	1.1 U	1.1 U
TPH as motor oil	mg/kg	10 U	16	780	10 U	10 U	37	15	12	200	40	17	270	790	33	56	12
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1-Dichloroethene	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1-Dichloropropene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,1-Trichloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,2-Trichloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dibromoethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,2-Dichloroethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2-Dichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2,3-Trichlorobenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2,3-Trichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,2,4-Trichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,2,4-Trimethylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,3-Dichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,3-Dichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,3,5-Trimethylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
1,4-Dichlorobenzene	ug/kg	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U	340 U	12 U	6.6 U	6.3 U	4.9 U
1,4-Dioxane	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
2-Hexanone	ug/kg	--	--	--	--	--	65 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
2,4,5-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Acetone	ug/kg	51 UJ	--	65 UJ	73 UJ	58 UJ	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 UJ	49 U
Acrolein	ug/kg	100 UJ	--	130 U	150 U	120 U	130 U	--	--	--	170 U	140 U	--	250 U	130 U	130 U	97 U
Acrylonitrile	ug/kg	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 U	49 U
Benzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Bromobenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromochloromethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromodichloromethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromoform	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Bromomethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	23	4.9 U
Carbon disulfide	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Carbon tetrachloride	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Chloro methane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	9.2	4.9 U
Chlorobenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Chloroethane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Chloroform	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
cis-1,2-Dichloroethene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
cis-1,3-Dichloropropene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Cyclohexane	ug/kg	--	--	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8
	SAMPLE	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507
	DATE	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	0	2	5	0	2	5	1	5
SAMPLE BOTTOM DEPTH (FT)		10	1	3	6	10	0.5	3	6	1	3	6	1	3	6	2	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	0.5	3	6	0.5	3	6	2	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Dibromomethane	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Dichlorodifluoromethane	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Ethyl- benzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Hexachlorobutadiene	ug/kg	5.1 U	680 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	700 U	8.5 U	7.1 U	670 U	12 U	6.6 U	6.3 U	4.9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	680 U	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Methyl acetate	ug/kg	--	--	--	--	--	6.5 UJ	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 U	49 U
Methyl isobutyl ketone	ug/kg	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U	--	120 U	66 U	63 U	49 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Methylcyclohexane	ug/kg	--	--	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
N-Butylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
N-Propylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U	340 U	370 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
sec-Butylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Styrene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
tert-Butylbenzene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Tetrachloroethene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Toluene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
trans-1,2-Dichloroethene	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
trans-1,3-Dichloropropene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Trichloroethene	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Vinyl chloride	ug/kg	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Xylene, m,p-	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Xylene, o-	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U
Xylenes, total	ug/kg	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U	--	12 U	6.6 U	6.3 U	4.9 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	2	0	0	2	0	2.5	5.5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
SAMPLE TYPE					Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	110	60	20	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	23	0.64 U	3.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	1.3 J	0.41 U	0.7 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.84 U	0.73 U	0.27 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	1.8 U	0.76 U	0.94 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	3.7 J	0.35 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	1.3 J	0.64 U	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.37 U	0.57 U	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.69 U	0.82 U	0.36 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	2.2 U	0.36 U	0.79 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.36 U	0.83 U	0.34 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	36 U	9.7 U	3.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.69 U	0.52 U	0.33 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	1.2 U	0.21 U	0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	1.4 J	1.9 U	0.91 J	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	960	540 B	150 U	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	120	23 J	6.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	5.2	2.4	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	5.3	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	5.3	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.2	8.4	8.9	8.2	--	--	--	--	--	--	8.9	8.8	8.1	9.8	8.4
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 UJ	2 U	2 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	2.1	2.1	2.9	1.2	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	140	120	120	--	88	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.2 U	--	0.2 U	--	--	--	--	--	--	--	--	--	0.41 UJ	--
Chromium, total	mg/kg	--	14	15	14	11	--	--	--	--	--	--	--	--	--	17	--
Cobalt	mg/kg	5.9	5.7	6.7	--	5.8	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	8.2	8.3	11	--	7.8	--	--	--	--	--	--	--	--	--	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	3.7	2.7	5.9	1.6	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	0.1 U	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	3.7	--
Nickel	mg/kg	--	9.3	11	9.7	7.9	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	1 UJ	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2 U	2 U	2 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	25	25	33	--	28	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	35	36	38 J	28	--	--	--	--	--	--	--	--	--	--	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	2	0	0	2	0	2.5	5.5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
SAMPLE TYPE					Field Duplicate				Field Duplicate								
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	2 U	2 U	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	51 UJ	51 UJ	51 UJ	--	51 UJ	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	--	34 U	35 U	34 U	--	33 U	34 U	34 U	33 U	33 U	34 U	34 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	19	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	19	8.5 U	8.5 U	--	8.5 U	0 U	0 U	--	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	50 U	51 U	51 U	51 U	50 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	--	5.9 U	5.9 U	6.4	5.9 U	6.5	6 U	--	5.9 U	23	6.2	5.8 U	5.9 U	5.9 U	6.6	8.4
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	8.5	5.1 U	5 U	5.1 U	5.1 U	8.8	5 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	15 J	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Benzo (b) fluoranthene	ug/kg	--	5.1 U	5.1 U	7.5	5.1 U	8 J	5.2 U	--	5.1 U	38 J	6.1 J	5 U	5.1 U	5.1 U	5.1 U	6
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	13 J	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Chrysene	ug/kg	--	5.1 U	5.1 U	6.1	5.1 U	5.2 U	5.2 U	--	5.1 U	19	5.1 U	5 U	5.1 U	5.1 U	37	5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
	SAMPLE TOP DEPTH (FT)	0	2	5	0	9	0	2	2	0	0	2	0	2.5	5.5	9	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
	SAMPLE TYPE				Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	5.1 U	5.1 U	6.5	5.1 U	5.2	5.2 U	--	5.1 U	37	7.1	5 U	5.1 U	5.1 U	5.1 U	5 U
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	50 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U	5.1 U	50 U	8.3 U	6.9 U	5.8 U	5.7
PAH High molecular weight	ug/kg	--	0	0	27.2	0	13.2	0	--	0	167	20	0	0	0	65.8	6
PAH Low molecular weight	ug/kg	0	0	0	--	0	0	0	--	0	7.8	0	0	0	0	0	5.7
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	7.8	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U
Pyrene	ug/kg	--	5.1 U	5.1 U	7.1	5.1 U	5.2 U	5.2 U	--	5.1 U	36	6.8	5 U	5.1 U	5.1 U	20	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
3,3-Dichlorobenzidene	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	660 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
4-Chloro-3-methylphenol	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	660 U
4-Chloroaniline	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	660 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
4-Methylphenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--	--	--	--	1700 U
Benzyl alcohol	ug/kg	--	680 U	670 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--	660 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	330 U	330 U	340 U	340 U	1700 U
Phenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U

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	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
	SAMPLE TOP DEPTH (FT)	0	2	5	0	9	0	2	2	0	0	2	0	2.5	5.5	9	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
	SAMPLE TYPE				Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	10 U	10 U	--	17	50	10 U	10 U	32	16	17	160	10 U
TPH as gasoline	mg/kg	--	1 U	1.7 U	--	0.99 U	--	--	1.3 U	--	--	1.1 U	--	1.1 U	1.3 U	1.2 U	--
TPH as motor oil	mg/kg	10 U	10 U	10 U	--	10 U	130	--	210	410	53	17	150	15	34	700	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1-Dichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1-Dichloropropene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1,1-Trichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1,2-Trichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2-Dibromoethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2-Dichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	330 U
1,2-Dichloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2-Dichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2,3-Trichlorobenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2,3-Trichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,2,4-Trichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,3-Dichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	330 U
1,3-Dichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,3,5-Trimethylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
1,4-Dichlorobenzene	ug/kg	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 UJ	6.9 UJ	5.8 UJ	--
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
4-Isopropyltoluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Acetone	ug/kg	--	54 UJ	67 UJ	--	63 UJ	--	--	--	--	--	--	--	83 U	69 U	58 U	--
Acrolein	ug/kg	--	110 U	130 U	--	130 U	--	--	--	--	--	--	--	170 U	140 U	120 U	--
Acrylonitrile	ug/kg	--	54 U	67 U	--	63 U	--	--	--	--	--	--	--	83 U	69 U	58 U	--
Benzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Bromobenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Bromochloromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Bromodichloromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Bromoform	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Bromomethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Carbon disulfide	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Carbon tetrachloride	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Chloro methane	ug/kg	--	5.5	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Chlorobenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Chloroethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Chloroform	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
cis-1,2-Dichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
cis-1,3-Dichloropropene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2
	SAMPLE	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070
	DATE	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011
	SAMPLE TOP DEPTH (FT)	0	2	5	0	9	0	2	2	0	0	2	0	2.5	5.5	9	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	1	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5	3	0.5	3	6	9.5	0.5
	SAMPLE TYPE				Field Duplicate				Field Duplicate								
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Dibromomethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Dichlorodifluoromethane	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Ethyl- benzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Hexachlorobutadiene	ug/kg	--	5.4 U	6.7 U	670 U	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	660 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
Isopropylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	54 U	67 U	--	63 U	--	--	--	--	--	--	--	83 U	69 U	58 U	--
Methyl isobutyl ketone	ug/kg	--	54 U	67 U	--	63 U	--	--	--	--	--	--	--	83 U	69 U	58 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
N-Butylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
N-Propylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	--	340 U	--	--	--	--	--	--	--	--	--	--	330 U
p-Chlorotoluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
sec-Butylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Styrene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
tert-Butylbenzene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Tetrachloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Toluene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
trans-1,2-Dichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
trans-1,3-Dichloropropene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Trichloroethene	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Vinyl chloride	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Xylene, m,p-	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Xylene, o-	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--
Xylenes, total	ug/kg	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--	--	--	8.3 U	6.9 U	5.8 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02
	SAMPLE	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-10000	AOC4-A01S-50001	AOC4-A02-10005
	DATE	4/6/2011	4/6/2011	4/6/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010
SAMPLE TOP DEPTH (FT)		2.5	5.5	8.5	0	2	0	0	0	0	2	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	9	1	3	1	1	1	0.5	3	0.5	0.5	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	9	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	180	20	290	130	66	84	4 J	270	230	270	470	27 U	520
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	17	3.3 J	21	8.2 J	4.4 J	4.2 J	0.21 J	19	13	19	41	2.5 U	58
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	2.3 J	0.63 U	3.7 J	1.9 J	1.5 J	1.5 U	0.15 U	5.8 J	3.4 U	3.2 U	7 J	1.1 U	1.7 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	2.3 J	0.3 U	2.2 U	1.2 J	0.55 U	0.87 U	0.1 U	2 J	1.3 J	3.4 U	6.2 U	0.6 U	8.4 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	2.3 U	0.26 U	2.3 J	0.78 U	0.48 U	0.64 U	0.086 U	2.9 J	1.5 J	2.1 U	2.2 U	0.38 U	1.3 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	5.7 J	0.63 U	8.1 J	3.8 J	3 U	3.3 J	0.15 U	10 J	9.2 J	8.4 J	17	1.1 U	7.4 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	1.8 U	0.29 U	2.3 J	0.76 U	0.58 J	1.2 U	0.087 U	2.3 U	1.9 J	2.6 J	2.7 U	0.34 U	2 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	3.1 U	0.49 U	1.7 U	2 U	0.72 U	0.79 U	0.14 U	2.8 J	1.7 U	2.1 U	3.9 U	1.4 U	1.2 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.94 J	0.13 U	1.2 J	0.15 U	0.25 U	0.24 U	0.17 U	0.94 U	0.46 U	1.7 U	1.5 U	0.38 U	1.8 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	4.5 J	0.6 U	5.8 J	3.1 J	2 U	2.1 U	0.19 U	10 J	7.4 J	6.2 J	14	1.1 U	2.5 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	0.36 U	0.33 U	1.5 U	0.31 U	0.097 U	0.3 U	0.099 U	1.2 J	0.42 U	1.4 U	1.8 U	0.41 U	2.3 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	6 U	4.1 U	13 U	4.4 U	2.9 U	5.6 U	0.46 J	10 U	11 U	3.1 U	5.4 U	0.39 U	4.1 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	1.1 U	0.17 U	1.6 J	0.53 J	0.26 U	0.25 U	0.18 U	0.91 U	0.37 U	2.2 U	4 U	0.37 U	1.5 U
2,3,7,8-TCDD	ng/kg	--	--	--	0.51 U	0.25 U	0.22 U	0.12 U	0.13 U	0.16 U	0.04 U	0.16 U	0.14 U	0.39 U	0.96 U	0.21 U	0.21 U
2,3,7,8-TCDF	ng/kg	--	--	--	0.45 U	0.67 J	1.2 U	0.55 U	0.23 U	0.29 U	0.053 U	0.73 J	0.23 U	1.5 U	2.9 U	1.1 U	1 U
OCDD	ng/kg	--	--	--	1200	160	2000	820	370	670	25	2000	1800	3700	5300	180	10000
OCDF	ng/kg	--	--	--	28	9.5 J	48	13 J	6.8 J	6.5 J	0.55 J	30	21 J	38	39	3.6 U	46
TEQ Avian	ng/kg	--	--	--	4.4	1.5	5.9	3	1.3	1.5	0.3	7.1	3.6	5.5	10	1.8	5.6
TEQ Human	ng/kg	--	--	--	6.3	1.1	8.1	4.2	1.9	2.5	0.26	10	6.7	8	15	1.4	12
TEQ Mammals	ng/kg	--	--	--	6.3	1.1	8.1	4.2	1.9	2.5	0.26	10	6.7	8	15	1.4	12
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	8.4	8.1	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	2.1 UJ	2 UJ	2 U	2 U	2 U	2 U	--	--	--	--	2.3 UJ	2.2 U	2.1 U	2.3 U
Arsenic	mg/kg	--	--	9.3	7.9	8.5	7.1	3.4	4	--	--	--	--	1.1 U	2.5	4.3	3.6
Barium	mg/kg	--	--	240	470	500	380	160	170	--	--	--	--	230 J	330	360	350
Beryllium	mg/kg	--	--	1 UJ	1 U	1 U	1 U	1 U	1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	--	--	1 UJ	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 UJ	--	0.41 UJ	--	--	--	--	--	--	--	--	--	0.49	0.5	0.43 U	0.45 U
Chromium, total	mg/kg	--	--	24	46	28	26	16	16	--	--	--	--	73 J	24	49	21
Cobalt	mg/kg	--	--	9.1	7.9	7.3	7.1	6.4	6.3	--	--	--	--	17	5.3	12	5.8
Copper	mg/kg	--	--	10 U	13	12	12	11	15	--	--	--	--	33	14	56	36
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	7.2	7.6	5.9	8.8	7.4	8.7	--	--	--	--	5.3	11	2.7	8.4
Mercury	mg/kg	--	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	0.11 U	0.11 U	0.11 U	0.11 U
Molybdenum	mg/kg	--	--	5	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	--	--	17	29 J	26	28	15	14	--	--	--	--	55 J	14	30	16
Selenium	mg/kg	--	--	1 UJ	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U
Silver	mg/kg	--	--	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	--	--	2.1 UJ	2 UJ	2 U	2 U	2 U	2 U	--	--	--	--	2.3 U	2.2 U	2.1 U	2.3 U
Vanadium	mg/kg	--	--	45	36	36	33	23	22	--	--	--	--	95 J	26	56	32
Zinc	mg/kg	--	--	70	49	34	41	34	40	--	--	--	--	52 J	46	49	38
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02
	SAMPLE	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-10004	AOC4-A01S-50001	AOC4-A02-10005
	DATE	4/6/2011	4/6/2011	4/6/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010
SAMPLE TOP DEPTH (FT)		2.5	5.5	8.5	0	2	0	0	0	0	2	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	9	1	3	1	1	1	0.5	3	0.5	0.5	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	9	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ
Aroclor 1221	ug/kg	33 U	33 U	34 U	33 U	34 U	33 U	33 U	33 U	33 U	34 U	34 U	34 U	37 UJ	36 UJ	35 U	37 UJ
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ	18 UJ	18 U	19 UJ
Aroclor 1254	ug/kg	17 U	17 U	17 U	78	57	110	57	49	70	17 U	26	83	120 J	150 J	170	23 J
Aroclor 1260	ug/kg	17 U	17 U	17 U	38 J	17 U	87	48	37	58	17 U	17 U	65	19 UJ	18 UJ	18 U	19 UJ
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	0 U	0 U	0 U	133	82.5	214	122	103	145	34 U	51.5	165	149	177	197	110
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ
2-Methyl naphthalene	ug/kg	50 U	50 U	51 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ
Anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.7	5.7 UJ
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.9 U	60	68	27	9.5	6.5	18	5.9 U	5.9 U	12	180	140	120	120
Benzo (a) anthracene	ug/kg	5 U	5 U	5.1 U	47	59 J	21	5.7	5.1 U	12	5.1 U	5.1 U	7.1	190 J	130 J	130 J	110 J
Benzo (a) pyrene	ug/kg	5 U	5 U	5.1 U	42	48 J	18	5	5.1 U	11	5.1 U	5.1 U	6.8	110 J	82 J	70	71 J
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5.1 U	81	88 J	34	11	8.8	28	5.1 U	5.1 U	18	220 J	170 J	190	160 J
Benzo (ghi) perylene	ug/kg	5 U	5 U	5.1 U	29	30 J	12	5 U	5.1 U	9.8	5.1 U	5.1 U	6.5	82 J	66 J	49	59 J
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5.1 U	23	24 J	11	5 U	5.1 U	5.7	5.1 U	5.1 U	5.1 U	82 J	39 J	44	39 J
Chrysene	ug/kg	5 U	5 U	5.1 U	50	61 J	22	6.7	5.7	15	5.1 U	5.1 U	9.9	160 J	110 J	97	110 J
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	21 J	17 J	11	18 J

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02
	SAMPLE	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-10004	AOC4-A01S-50001	AOC4-A02-10005
	DATE	4/6/2011	4/6/2011	4/6/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010
SAMPLE TOP DEPTH (FT)		2.5	5.5	8.5	0	2	0	0	0	0	2	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	9	1	3	1	1	1	0.5	3	0.5	0.5	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	9	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	5 U	5 U	5.1 U	110	140 J	49	14	10	31	5.1 U	5.1 U	20	480 J	310 J	290	190 J
Fluorene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5.1 U	27	28 J	11	5 U	5.1 U	8.4	5.1 U	5.1 U	5.4	78 J	62 J	40	57 J
Naphthalene	ug/kg	6.6 U	7.8 U	6 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ	5.4 UJ	5.3 U	5.7 UJ
PAH High molecular weight	ug/kg	0	0	0	509	598	224	55.4	34.3	150	0	0	91.7	1890	1250	1160	1000
PAH Low molecular weight	ug/kg	0	0	0	11	23	5.1	0	0	8.4	0	0	6.5	30	39	36.7	20
Phenanthrene	ug/kg	5 U	5 U	5.1 U	11	23 J	5.1	5 U	5.1 U	8.4	5.1 U	5.1 U	6.5	30 J	39 J	31	20 J
Pyrene	ug/kg	5 U	5 U	5.1 U	100	120 J	46	13	9.8	29	5.1 U	5.1 U	18	470 J	260 J	240	190 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	660 U	660 U	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	660 U	660 U	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	660 U	660 U	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	660 U	660 U	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	370 UJ	360 UJ	350 U	370 UJ
Phenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--

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Needles, California

	LOCATION	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02
	SAMPLE	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-10004	AOC4-A01S-50001	AOC4-A02-10005
	DATE	4/6/2011	4/6/2011	4/6/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010
SAMPLE TOP DEPTH (FT)		2.5	5.5	8.5	0	2	0	0	0	0	2	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	9	1	3	1	1	1	0.5	3	0.5	0.5	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	9	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	17	10 U	12	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.3 U	1.8 U	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	37	10 U	39	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.6 UJ	7.8 UJ	6 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	66 U	78 U	60 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	130 U	160 U	120 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	66 U	78 U	60 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01	AOC4-A01minus	AOC4-A01S	AOC4-A02
	SAMPLE	300b-17-1071	300b-17-1072	300b-17-1073	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005
	DATE	4/6/2011	4/6/2011	4/6/2011	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010	3/2/2010	4/21/2010	2/24/2010
SAMPLE TOP DEPTH (FT)		2.5	5.5	8.5	0	2	0	0	0	0	2	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	9	1	3	1	1	1	0.5	3	0.5	0.5	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	9	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	66 U	78 U	60 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	66 U	78 U	60 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	330 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	6.6 U	7.8 U	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-C01
	SAMPLE	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-C01-10162
	DATE	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	3/2/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE			Field Duplicate							Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	200	--	68	55	530	33	110	0.98 U	--	1400	5000	48	140	350	27	1100
1,2,3,4,6,7,8-HpCDF	ng/kg	23	--	5.4 J	3.6 J	28	2.5 U	9.6 J	0.16 U	--	160	490 U	3.7 U	8.7 J	33	2.1 J	45
1,2,3,4,7,8-HxCDD	ng/kg	4.3 J	--	1 U	0.78 U	2 U	0.25 U	1.8 U	0.29 U	--	22	87	0.93 U	2.2 U	0.14 U	0.35 U	17
1,2,3,4,7,8-HxCDF	ng/kg	--	3.4 U	0.83 U	0.62 J	1.6 U	0.17 U	2.5 J	0.19 U	--	43 U	130 U	1.1 U	1.1 J	4.7 J	0.33 U	12 U
1,2,3,4,7,8,9-HpCDF	ng/kg	2.5 J	--	0.99 J	0.29 U	1.7 J	0.17 U	0.84 J	0.19 U	--	13	48	0.31 U	0.9 J	4.1 J	0.21 U	6.2 J
1,2,3,6,7,8-HxCDD	ng/kg	9.1 J	--	3.2 J	2.1 J	9.2 J	1.5 J	4.4 J	0.29 U	--	59	220	2.5 J	6 J	10 U	1.2 U	40
1,2,3,6,7,8-HxCDF	ng/kg	--	3.1 J	0.87 J	0.47 J	0.79 U	0.33 U	1.9 U	0.17 U	--	33	100	0.83 J	0.87 J	2.8 J	0.14 U	6.5 J
1,2,3,7,8-PeCDD	ng/kg	--	1.9 U	0.21 U	0.13 U	0.21 U	0.3 U	1 U	0.42 U	--	16 U	56	0.76 U	0.15 U	0.32 U	0.32 U	7.1 U
1,2,3,7,8-PeCDF	ng/kg	2.5 J	--	0.47 J	0.3 U	0.46 J	0.14 U	2.1 J	0.3 U	--	21	67	0.91 U	0.59 J	1.3 J	0.14 U	4.5 J
1,2,3,7,8,9-HxCDD	ng/kg	7.7 J	--	2.2 J	1.5 J	4.3 J	1.3 J	3.1 J	0.29 U	--	43	170	1.1 UJ	4.3 J	7.1 U	0.91 J	29
1,2,3,7,8,9-HxCDF	ng/kg	--	0.36 U	0.62 J	0.2 J	0.6 J	0.19 U	0.99 U	0.35 U	--	11 J	39	0.58 U	0.47 U	1.3 J	0.19 U	3.5 J
2,3,4,6,7,8-HxCDF	ng/kg	4.8 J	--	3.1 U	2.5 U	5.3 U	2.6 U	1.8 J	0.2 U	--	48	140	0.88 U	7 U	18 U	0.22 J	7.3 J
2,3,4,7,8-PeCDF	ng/kg	--	2.4 J	0.26 U	0.29 U	0.42 J	0.14 U	4.8 U	0.3 U	--	36	100	1.3 J	0.56 J	1.8 J	0.14 U	10 U
2,3,7,8-TCDD	ng/kg	0.59 J	--	0.33 U	0.11 J	0.078 U	0.12 U	0.16 U	--	0.17 U	3 J	14	0.19 U	0.37 U	0.087 U	0.13 U	1.2 J
2,3,7,8-TCDF	ng/kg	--	1.5 U	0.9 U	0.63 J	0.65 J	0.32 U	2.1 J	--	0.25 U	16	34	0.89 J	0.94 J	1.7 U	0.3 U	4.1 J
OCDD	ng/kg	1800	--	430	450	10000 J	280	1000	7.5 U	--	11000	35000	330	1100	2700	190	7500
OCDF	ng/kg	29	--	7.6 J	5.4 J	83	4 J	10 J	--	0.34 U	120	330	3.1 J	17 J	55	2.7 U	65
TEQ Avian	ng/kg	7.2	--	1.7	1.5	4.1	0.84	6.6	--	0.71 U	87	280	3.1	3.3	6.2	0.68	23
TEQ Human	ng/kg	8.3	--	2.2	1.7	11	1.1	4.5	0.47 U	--	67	250	2.1	4.1	8.2	0.84	32
TEQ Mammals	ng/kg	8.3	--	2.2	1.7	11	1.1	4.5	0.47 U	--	67	250	2.1	4.1	8.2	0.84	32
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.4 U	--	2 U	2 U	2 U	2 UJ	2.4 U	2.2 U	--	11 UJ	2.5	2.2 UJ	2 U	2 U	2 U	2.3 U
Arsenic	mg/kg	5	--	1.2	1.4	1 U	1 U	5.5	--	4.9	5.4 UJ	4.2	1.1 U	1 U	1 U	1 U	3.6
Barium	mg/kg	270 J	--	140	130	150	180 J	450	250	--	770 J	1300	390 J	180	190	220	340
Beryllium	mg/kg	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 U	1 U	1 U	1 U	1.2 U
Cadmium	mg/kg	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.7	1.1 U	1 U	1 U	1 U	1.2 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.47 U	--	0.4 U	0.4 U	0.4 U	0.4 U	0.47 U	0.44 U	--	1.9	9.7	0.67	0.4 U	0.4 U	0.4 U	0.73
Chromium, total	mg/kg	41	--	13	11	22	31 J	26	24	--	58 J	100	35 J	22	24	53	84
Cobalt	mg/kg	9.3	--	5.1	4.4	6.2	8.8	9.3	--	8.3	12 J	5.4	9.4	6.4	6.4	13	7.3
Copper	mg/kg	24	--	7.4	7.8	7.8	10	17	--	25	81 J	790	7.8	8.4	9	17	45
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	8.2 J	7.6	7.4	6.8	8.3	2.4	--	8.6	44 J	220	4	7.9	9.7	6.9	5.7
Mercury	mg/kg	0.11 U	--	0.099 U	0.1 U	0.1 U	0.098 U	0.11 U	0.11 U	--	0.29	0.52	0.11 U	0.1 U	0.099 U	0.1 U	0.11 U
Molybdenum	mg/kg	1.2 U	--	1 U	1 U	1 U	1 UJ	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 UJ	1 U	1 U	1 U	1.2 U
Nickel	mg/kg	34	--	12	9.8	16	26 J	22	17	--	36 J	24	33 J	17	17	40	23
Selenium	mg/kg	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 U	1 U	1 U	1 U	1.2 U
Silver	mg/kg	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 U	1 U	1 U	1 U	1.2 U
Thallium	mg/kg	2.4 U	--	2 U	2 U	2 U	2 UJ	2.4 U	2.2 U	--	11 UJ	2.2 U	2.2 U	2 U	2 U	2 U	2.3 U
Vanadium	mg/kg	50	--	25	19	29	35 J	60	35	--	65 J	26	38 J	30	31	53	39
Zinc	mg/kg	53	--	35	32	33	40 J	47	--	46	160 J	410	46 J	36	40	45	55
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-C01
	SAMPLE	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-C01-10162
	DATE	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	3/2/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE			Field Duplicate							Field Duplicate							
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U	16 U	17 U	19 UJ
Aroclor 1221	ug/kg	39 UJ	--	33 U	33 U	33 U	33 U	39 UJ	37 U	--	36 U	36 UJ	37 U	33 U	33 U	33 U	38 UJ
Aroclor 1232	ug/kg	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U	16 U	17 U	19 UJ
Aroclor 1242	ug/kg	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U	16 U	17 U	19 UJ
Aroclor 1248	ug/kg	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U	16 U	17 U	19 UJ
Aroclor 1254	ug/kg	90 J	--	19	17 U	16 U	16 U	310 J	18 U	--	220	100 J	19 U	22	53	17 U	410 J
Aroclor 1260	ug/kg	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U	16 U	17 U	19 UJ
Aroclor 1262	ug/kg	--	--	17 U	17 U	16 U	16 U	--	--	--	--	--	--	16 U	16 U	17 U	--
Aroclor 1268	ug/kg	--	--	17 U	17 U	16 U	16 U	--	--	--	--	--	--	16 U	16 U	17 U	--
Total PCBs	ug/kg	120	--	46.5	41	34 U	32 U	339	36 U	--	267	157	38 U	46	80	34 U	439
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U	5 U	5 U	5.6 UJ
2-Methyl naphthalene	ug/kg	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U	5 U	5 U	5.6 UJ
Acenaphthene	ug/kg	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	5.9	--	5.4 U	5.5 UJ	5.6 U	5 U	5 U	5 U	22 J
Acenaphthylene	ug/kg	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U	5 U	5 U	6 J
Anthracene	ug/kg	12 J	--	5 U	5 U	5 U	5 U	13 J	33 J	--	24	10 J	5.6 U	5 U	5 U	5 U	95 J
B(a)P Equivalent	ug/kg	340	--	6.2	5.8 U	5.8 U	5.8 U	300	110	--	970	250	19	14	31	5.8 U	1100
Benzo (a) anthracene	ug/kg	420 J	--	5 U	5 U	5 U	5 U	410 J	160 J	--	810	250 J	14	7	21	5 U	1000 J
Benzo (a) pyrene	ug/kg	190 J	--	5 U	5 U	5 U	5 U	170 J	64 J	--	620	140 J	12	8	18	5 U	750 J
Benzo (b) fluoranthene	ug/kg	520 J	--	6.7	5 U	5 U	5 U	510 J	160 J	--	1200	430 J	24	19	41	5 U	1400 J
Benzo (ghi) perylene	ug/kg	140 J	--	5 U	5 U	5 U	5 U	110 J	40 J	--	550	97 J	10	8.7	18	5 U	190 J
Benzo (k) fluoranthene	ug/kg	100 J	--	5 U	5 U	5 U	5 U	97 J	36 J	--	1400	73 J	9	6.7	16	5 U	380 J
Chrysene	ug/kg	260 J	--	5 U	5 U	5 U	5 U	250 J	120 J	--	750	220 J	17	10	24	5 U	1200 J
Dibenzo (a,h) anthracene	ug/kg	37 J	--	5 U	5 U	5 U	5 U	30 J	8.5	--	93	31 J	5.6 U	5 U	5	5 U	63 J

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-C01
	SAMPLE	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-C01-10162
	DATE	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	3/2/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE			Field Duplicate							Field Duplicate							
ANALYTE	UNITS																
Fluoranthene	ug/kg	760 J	--	7	5 U	5 U	5 U	770 J	490 J	--	2100	600 J	35	21	54	5 U	2400 J
Fluorene	ug/kg	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U	5 U	5 U	14 J
Indeno (1,2,3-cd) pyrene	ug/kg	130 J	--	5 U	5 U	5 U	5 U	110 J	32 J	--	440	97 J	7.5	7	15	5 U	200 J
Naphthalene	ug/kg	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U	5 U	5 U	5.6 UJ
PAH High molecular weight	ug/kg	3260	--	20	0	0	0	3100	1470	--	10200	2490	163	106	257	0	9680
PAH Low molecular weight	ug/kg	82	--	0	0	0	0	123	279	--	164	64	0	0	12	0	1340
Phenanthrene	ug/kg	70 J	--	5 U	5 U	5 U	5 U	110 J	240 J	--	140	54 J	5.6 U	5 U	12	5 U	1200 J
Pyrene	ug/kg	700 J	--	6.3	5 U	5 U	5 U	640 J	360 J	--	2200	550 J	34	19	45	5 U	2100 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	390 UJ	--	330 U	330 U	330 U	330 U	390 UJ	--	360 U	360 U	360 UJ	370 U	330 U	330 U	330 U	370 UJ
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-C01
	SAMPLE	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-C01-10162
	DATE	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	3/2/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE			Field Duplicate							Field Duplicate							
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05	AOC4-B06	AOC4-B06.B07	AOC4-C01
	SAMPLE	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-C01-10162
	DATE	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010	7/26/2010	8/10/2010	3/2/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE		Field Duplicate							Field Duplicate							
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07
	SAMPLE	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003
	DATE	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	12 J	690	8000	120	370	91	67	--	330 J	6.6 U	74	470	150	7100	140	180
1,2,3,4,6,7,8-HpCDF	ng/kg	1.4 U	37	340	7.8 J	20	5 J	--	4.5 J	32 J	0.35 U	6.2 U	39	13	490	9 J	11 J
1,2,3,4,7,8-HxCDD	ng/kg	0.21 U	3.9 U	120	3.1 J	3.9 J	1.4 J	--	0.51 U	5.5 J	0.6 U	0.81 J	3.1 J	1.4 J	39	1.9 J	2.9 J
1,2,3,4,7,8-HxCDF	ng/kg	0.3 U	5.7 U	69 U	1.9 J	2.5 J	0.82 J	0.4 U	--	4.5 J	0.4 U	0.62 U	4.5 J	1.6 J	37	1.2 J	1.8 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.15 U	2.2 J	28	0.58 U	2 J	0.64 J	0.22 U	--	3.1 J	0.42 U	0.59 J	3.7 J	1.2 J	22	0.69 J	0.62 U
1,2,3,6,7,8-HxCDD	ng/kg	0.6 U	20	310	6 J	12 J	3.7 J	2.5 J	--	14 J	0.4 U	2.8 J	15 J	5 U	210	5.2 J	7.4 J
1,2,3,6,7,8-HxCDF	ng/kg	0.15 U	2.9 U	36	1.3 J	2.1 J	0.66 J	--	0.3 U	2 UJ	0.35 U	0.2 U	1.5 J	0.68 J	11 J	0.91 J	1.3 U
1,2,3,7,8-PeCDD	ng/kg	0.34 U	2.7 J	71 U	1.6 U	0.15 U	0.16 U	0.34 U	--	2.9 UJ	0.89 U	0.31 U	1.5 U	0.7 U	0.3 U	0.8 U	0.47 U
1,2,3,7,8-PeCDF	ng/kg	0.18 U	2.4 J	22	0.78 U	1.1 J	0.51 U	0.18 U	--	1.3 UJ	0.57 U	0.21 U	0.81 U	0.56 U	3.1 J	0.7 J	0.28 U
1,2,3,7,8,9-HxCDD	ng/kg	0.53 J	9 J	240	5.3 J	6.7 J	2.4 U	--	0.49 U	5.6 UJ	0.4 U	0.68 U	6.8 J	2 U	85	2.9 J	4.6 J
1,2,3,7,8,9-HxCDF	ng/kg	0.22 U	1.2 U	17	0.88 J	2 J	1.5 J	0.21 U	--	1.1 UJ	0.43 U	0.29 U	0.34 U	0.24 U	18	0.45 U	0.42 U
2,3,4,6,7,8-HxCDF	ng/kg	0.96 U	3 J	51	1.3 J	17 U	3.8 U	4.4 U	--	78 UJ	1.5 U	0.25 U	2.1 U	1.5 U	25	5.5 U	8.3 U
2,3,4,7,8-PeCDF	ng/kg	0.24 U	0.86 U	34	1.1 J	1.1 U	0.41 U	0.18 U	--	2.8 J	0.55 U	0.2 U	1.2 J	0.66 U	4 J	0.62 U	0.69 U
2,3,7,8-TCDD	ng/kg	0.23 U	0.72 U	15	0.33 U	0.052 U	0.21 U	0.14 U	--	0.66 UJ	0.18 U	0.13 U	0.3 U	0.11 U	0.89 J	0.21 J	0.19 U
2,3,7,8-TCDF	ng/kg	0.58 J	1.8 U	10	0.93 J	1.2 U	0.85 J	0.19 U	--	2.5 UJ	0.33 U	0.46 U	1.6 J	1.4 J	1.9 J	0.74 J	0.61 U
OCDD	ng/kg	160	6700	46000	810	2900	530	570	--	2900 J	51	870	5800	1300	66000	1700	1500
OCDF	ng/kg	2.5 J	54	310	7.1 J	29	7.5 J	--	6.6 J	76 J	0.98 U	18 J	110	26	240	10 J	17 J
TEQ Avian	ng/kg	1.2	8.4	160	4.6	4.7	2.2	--	1.2	12	1.2	0.93	6.9	3.1	48	3.1	2.7
TEQ Human	ng/kg	0.73	17	240	4.9	8.9	2.6	1.8	--	14	0.9	1.8	12	3.5	140	4.3	4.9
TEQ Mammals	ng/kg	0.73	17	240	4.9	8.9	2.6	1.8	--	14	0.9	1.8	12	3.5	140	4.3	4.9
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	4.2 U	2.1	2.2 U	2 U	2 U	2 U	--	2.2 U	2.1 UJ	11 U	2.3 U	2.2 U	2 U	2 U	2 U
Arsenic	mg/kg	3	7.6	1.4	5.5	2	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U
Barium	mg/kg	200	520	700	500	140	170	--	210	570	160 J	430	400	280	160	190	190
Beryllium	mg/kg	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	2.1 U	1.1	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.42 U	5.3	0.44 U	0.4 U	0.4 U	0.4 U	--	0.44 U	0.41 U	0.44 U	1.1	0.44 UJ	0.4 U	0.4 U	0.4 U
Chromium, total	mg/kg	15	64	73	17	18	29	--	51	140	42 J	150	72	160	18	33	32
Cobalt	mg/kg	6.1	6	5.9	4.4	6.2	7.4	--	13	13	11 J	19	20	15	4.4	8.7	8.5
Copper	mg/kg	11	26	90	13	18	9.1	--	16	16	26	34	15	5.9	9.8	12	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7	5.1	76	5.4	12	6.8	8.2	--	3.1	4.9 J	5.5 U	3.4	2.4	10	6.2	6.2
Mercury	mg/kg	0.1 U	0.1 U	0.25	0.11 U	0.099 U	0.1 U	0.099 U	--	0.11 U	0.1 U	0.11 U	0.12 U	0.11 U	0.1 U	0.099 U	0.098 U
Molybdenum	mg/kg	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U
Nickel	mg/kg	12	25	20	15	14	22	--	41	60	33 J	75	35	65	11	26	24
Selenium	mg/kg	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	2.1 U	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	4.2 U	2 U	2.2 U	2 U	2 U	2 U	--	2.2 U	2.1 UJ	11 U	2.3 U	2.2 U	2 U	2 U	2 U
Vanadium	mg/kg	26	56	28	31	28	38	--	52	72	51 J	100	74	78	23	43	36
Zinc	mg/kg	32	50	260	33	45	36	47	--	49	45 J	86	50	48	45	38	40
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07
	SAMPLE	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003
	DATE	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U
Aroclor 1221	ug/kg	34 U	35 U	34 U	37 U	33 U	33 U	33 U	--	36 UJ	34 U	36 U	38 U	36 U	33 U	33 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U
Aroclor 1254	ug/kg	17 U	170	400	37	120 J	18	16 U	--	340 J	21	18 U	160	25	140	16 U	16 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U
Aroclor 1262	ug/kg	--	--	--	--	17 U	16 U	16 U	--	--	--	--	--	--	17 U	16 U	16 U
Aroclor 1268	ug/kg	--	--	--	--	17 U	16 U	16 U	--	--	--	--	--	--	17 U	16 U	16 U
Total PCBs	ug/kg	34 U	196	566	64	146	44	32 U	--	377	46.5	48	399	71	166	34 U	32 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.5 U	8.8	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.5 U	12	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
Acenaphthene	ug/kg	5.1 U	5.5 U	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.5 U	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
Anthracene	ug/kg	5.1 U	44	5.8	5.6 U	5 U	5 U	5 U	--	36 J	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	23	280	210	11	18	5.8	6.8	--	850	11	6.4 U	31	6.4 U	19	6.1	11
Benzo (a) anthracene	ug/kg	25	380	170	6.3	12	5 U	5	--	870 J	11 J	5.5 U	25	5.5 U	12	5 U	8
Benzo (a) pyrene	ug/kg	14	180	140	6.3	11	5 U	5 U	--	550 J	6.2	5.5 U	21	5.5 U	11	5 U	5.7
Benzo (b) fluoranthene	ug/kg	31	280	240	11	27	5 U	10	--	860 J	11	5.5 U	31	5.5 U	28	5.7	15
Benzo (ghi) perylene	ug/kg	12	87	94	5.6 U	10	5 U	5 U	--	390 J	5.2	5.5 U	14	5.5 U	12	5 U	5.3
Benzo (k) fluoranthene	ug/kg	8.9	80	80	5.6 U	10	5 U	5 U	--	190 J	5.2 U	5.5 U	14	5.5 U	10	5 U	5 U
Chrysene	ug/kg	20	360	160	6.7	15	5 U	7	--	630 J	9.6	5.5 U	19	5.5 U	15	5 U	9.3
Dibenzo (a,h) anthracene	ug/kg	5.1 U	24	22	5.6 U	5 U	5 U	5 U	--	90 J	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07
	SAMPLE	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003
	DATE	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Fluoranthene	ug/kg	46	800	530	16	32	6.7	--	16	1200 J	17	5.5 U	25	5.5 U	33	7	19
Fluorene	ug/kg	5.1 U	5.5 U	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	8.9	79	76	5.6 U	8.7	5 U	5 U	--	330 J	5.2 U	5.5 U	10	5.5 U	9.7	5 U	5 U
Naphthalene	ug/kg	5.1 U	5.5 U	6.5	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U
PAH High molecular weight	ug/kg	205	3010	1990	62.3	157	13	49	--	6210	76	0	186	0	161	18.7	82.3
PAH Low molecular weight	ug/kg	6.5	254	70.1	0	0	0	0	--	166	0	0	0	0	5.3	0	0
Phenanthrene	ug/kg	6.5	210	37	5.6 U	5 U	5 U	5 U	--	130 J	5.2 U	5.5 U	5.8 U	5.5 U	5.3	5 U	5 U
Pyrene	ug/kg	39	740	480	16	31	6.3	--	13	1100 J	16	5.5 U	27	5.5 U	30	6	20
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	340 U	360 U	340 U	370 U	330 U	330 U	330 U	--	360 UJ	340 U	360 U	380 U	360 U	330 U	330 U	330 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07
	SAMPLE	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003
	DATE	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C01S	AOC4-C02	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07
	SAMPLE	AOC4-C01S-50012	AOC4-C02-10166	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003
	DATE	4/22/2010	3/29/2010	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04
	SAMPLE	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413
	DATE	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	79	200	280	180	1400 J	1100	4800	82 J	250 J	--	120	76	11 U	810	710	250 J
1,2,3,4,6,7,8-HpCDF	ng/kg	6.9 J	16	17	12 J	160 J	58	360	15	23	--	8.2 J	5.7 J	2.6 J	81	90	38
1,2,3,4,7,8-HxCDD	ng/kg	1.1 U	3 J	2.8 J	2.1 J	9.1 U	3.2 J	20 U	1.3 U	1.7 J	--	2.1 J	1.2 J	0.34 U	3.5 U	5.4 U	1.7 U
1,2,3,4,7,8-HxCDF	ng/kg	0.96 J	2.4 J	2.1 J	1.8 J	20 UJ	3.2 J	32	3.8 U	2.9 J	--	1.3 J	1 J	0.68 U	13 U	19 U	5.9 J
1,2,3,4,7,8,9-HpCDF	ng/kg	1 J	1.5 U	1.2 J	1.4 J	13 UJ	7.6 J	32	1.2 U	1.5 J	--	0.88 J	0.21 U	0.34 J	10 J	10 U	4.5 U
1,2,3,6,7,8-HxCDD	ng/kg	2.6 J	7.9 J	6.7 J	6.4 J	48 UJ	14	110	2.4 U	5.8 J	--	5.1 J	2.8 J	0.83 J	5.7 U	18 U	8.9 U
1,2,3,6,7,8-HxCDF	ng/kg	1.3 U	3.1 J	1.9 J	2.3 J	7.1 UJ	2.2 U	13	1.9 U	1.3 J	--	1 J	0.64 J	0.63 U	4.4 U	10 J	4.2 J
1,2,3,7,8-PeCDD	ng/kg	0.68 U	1.4 J	1.7 U	1.3 U	1.2 UJ	0.22 U	8 U	0.51 U	--	0.2 U	0.2 U	0.31 U	0.17 U	1.6 U	2.7 U	0.96 U
1,2,3,7,8-PeCDF	ng/kg	0.74 U	2 J	0.81 J	1.3 U	12 U	1.3 U	8 J	6.9 J	--	0.57 U	0.96 J	0.15 U	0.14 U	8.1 J	15	3.3 U
1,2,3,7,8,9-HxCDD	ng/kg	1.9 U	4.9 J	4.9 J	3.2 U	12 UJ	4.4 U	34	--	3.1 J	--	3.1 J	1.6 U	0.36 U	6.7 U	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.28 U	0.39 U	0.17 U	0.65 U	0.56 UJ	0.18 U	0.41 U	0.43 U	1.1 J	--	2.6 J	0.15 U	0.17 U	0.6 U	3.3 U	0.91 U
2,3,4,6,7,8-HxCDF	ng/kg	10 U	30 U	14 U	22 U	310 UJ	64 U	29	1.6 J	3.3 U	--	2.9 U	5.6 U	2.2 U	5.7 U	9.5 J	2.5 U
2,3,4,7,8-PeCDF	ng/kg	0.98 U	2.1 U	1.3 J	1.7 J	19 U	3 J	14	4.2 J	0.55 U	--	0.57 U	0.3 U	0.81 U	12 J	26	13 U
2,3,7,8-TCDD	ng/kg	0.097 U	0.3 U	0.055 U	0.088 U	1.1 UJ	0.12 U	1.1 U	0.11 U	--	0.17 J	0.21 U	0.081 U	0.41 J	0.28 U	0.58 U	0.25 U
2,3,7,8-TCDF	ng/kg	0.87 U	0.92 U	1.1 U	1.7 U	13 J	3.2 J	15	3.8 J	--	2.9 J	0.81 U	0.54 J	1.2 U	8.8	17	11
OCDD	ng/kg	900	1700	4300	1700	13000 J	74000 J	42000 J	520	4700 J	--	1000	580	120	11000	6700	1500
OCDF	ng/kg	16 J	29	27	17 J	520 J	240	630	19 J	26	--	9.1 J	7.2 J	5.1 J	230	240	82
TEQ Avian	ng/kg	2.4	6.6	5.5	5.7	47	20	60	9.9	--	4.7	2.4	1.7	1.8	27	52	20
TEQ Human	ng/kg	2.8	8.3	8.2	6.3	46	41	98	4.1	6.3	--	3.6	2.2	1.1	20	26	8.9
TEQ Mammals	ng/kg	2.8	8.3	8.2	6.3	46	41	98	4.1	6.3	--	3.6	2.2	1.1	20	26	8.9
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	4.3 U	2.1 U	2.1 U	2 UJ	--	2 U	2 U	2.2 U	2.1 UJ	11 U	2.1 U
Arsenic	mg/kg	2.4 J	2.4	2.4	2.1	3.1	3.8	1.8	1.1 U	1 U	--	1 U	1 U	2.2	2.9 J	5.3 U	1.1 U
Barium	mg/kg	170	130	150	140	460	360	190	210	130 J	--	170	190	360	310 J	300	250
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 U	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U
Cadmium	mg/kg	1.5 J	1.6	1.2	1.7	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.22 U	0.21 U	0.22 U	0.92	0.94	1.4	0.42 U	0.4 U	--	0.4 U	0.41 U	0.43 U	0.42 U	0.42 U	0.43 U
Chromium, total	mg/kg	32	39	23	43	43	55	67	21	--	24	28	45	51	28 J	51	83
Cobalt	mg/kg	8.7 J	9 J	6.5 J	10 J	8.2	13	12	5.8	--	6.7 J	9.2	11	13	6.7 J	10	9.4
Copper	mg/kg	18	27	14	21	22	13	5.7	8.7	11	--	11	18	19	14 J	33	18
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.6 J	6.8 J	7.4 J	4.4 J	4.8	2.9	3.3	5.3	7.5 J	--	6	6.1	3.7	4.5 J	6.4	4.5
Mercury	mg/kg	0.11 U	0.11 U	0.74	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.099 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U
Nickel	mg/kg	25 J	27	17	29	20	38	33	16	--	18 J	21	31	34	19 J	20	23
Selenium	mg/kg	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 U	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U
Thallium	mg/kg	2.2 UJ	2.2 UJ	2.1 UJ	2.2 UJ	2.2 U	4.3 U	2.1 U	2.1 U	2 UJ	--	2 U	2 U	2.2 U	2.1 UJ	11 U	2.1 U
Vanadium	mg/kg	29	29	22	31	40	73	66	28	29	--	34	42	58	32 J	74	64
Zinc	mg/kg	40 J	39	35	41	44	55	50	31	35 J	--	34	40	37	41 J	74	48
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04
	SAMPLE	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413
	DATE	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE											Field Duplicate						
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	18 U	17 U	18 U	48	18 U	31	17 U	17 U	--	17 U	17 U	18 U	42	38	18 U
Aroclor 1221	ug/kg	37 U	36 U	35 U	36 U	37 U	36 U	35 U	35 U	33 U	--	33 U	34 U	36 U	35 U	35 U	35 U
Aroclor 1232	ug/kg	18 U	18 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U
Aroclor 1242	ug/kg	18 UJ	18 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U
Aroclor 1248	ug/kg	18 U	18 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U
Aroclor 1254	ug/kg	280	1200	230 J	320	2500	510	1800	500	--	66	17	17 U	34	1600	1900	710
Aroclor 1260	ug/kg	18 U	380	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	17 U	--	17 U	17 U	--	--	--	--
Total PCBs	ug/kg	307	1600	256	347	2570	537	1850	927	--	96.5	45	34 U	61	2880	1960	737
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U
2-Methyl naphthalene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U
Acenaphthene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U
Acenaphthylene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U
Anthracene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	19	5.3 U
B(a)P Equivalent	ug/kg	6.5	34	15	18	67	6.2 U	14	6.4	--	6.4	5.8 U	5.9 U	6.2 U	47	93	11
Benzo (a) anthracene	ug/kg	5.6 U	34 J	11 J	14 J	66	5.4 U	9.5	5.5 U	5 U	--	5 U	5.1 U	5.4 U	36	120	8.9
Benzo (a) pyrene	ug/kg	5.6 U	22	8.8	11	41	5.4 U	8.8	5.5 U	5 U	--	5 U	5.1 U	5.4 U	30	59	5.7
Benzo (b) fluoranthene	ug/kg	5.6 U	52	23	26	90	5.4 U	12	5.5 U	--	8.3	5 U	5.1 U	5.4 U	65	110	14
Benzo (ghi) perylene	ug/kg	5.6 U	8.8	5.3 U	5.4	36	5.4 U	7.7	5.5 U	5 U	--	5 U	5.1 U	5.4 U	21	28	5.3 U
Benzo (k) fluoranthene	ug/kg	5.6 U	14	6.7	6.9	25	5.4 U	6.6	5.5 U	5 U	--	5 U	5.1 U	5.4 U	16	26	5.3 U
Chrysene	ug/kg	5.6 U	27	13	14	57	5.4 U	9.5	5.5 U	5 U	--	5 U	5.1 U	5.4 U	36	100	7.5
Dibenzo (a,h) anthracene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	7.1	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2	8.5	5.3 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04
	SAMPLE	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413
	DATE	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.6 U	64	25	30	130	5.4 U	16	17	--	8.7	5 U	5.1 U	5.4 U	77	200	17
Fluorene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.6 U	9.2	5.3 U	5.4 U	27	5.4 U	6.2	5.5 U	5 U	--	5 U	5.1 U	5.4 U	19	26	5.3 U
Naphthalene	ug/kg	5.6 U	5.5 U	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U
PAH High molecular weight	ug/kg	5.6	286	112	135	589	0	91.3	30	--	25	0	0	0	367	868	68.1
PAH Low molecular weight	ug/kg	6	14	8.8	9.1	23	0	0	0	0	--	0	0	0	9.8	84	0
Phenanthrene	ug/kg	6	14	8.8	9.1	23	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	9.8	65	5.3 U
Pyrene	ug/kg	5.6	55	24	28	110	5.4 U	15	13	--	8	5 U	5.1 U	5.4 U	62	190	15
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	370 U	360 U	360 U	360 U	330 U	--	330 U	340 U	360 U	350 U	350 U	350 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04
	SAMPLE	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413
	DATE	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS1	AOC4-DAM-OS1	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04
	SAMPLE	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413
	DATE	2/22/2017	2/22/2017	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010
SAMPLE TOP DEPTH (FT)		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02
	SAMPLE	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725
	DATE	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	4.7 J	800	1300	0.01 U	430	4200	5300	--	490	190	12 J	110	27	29	160	210
1,2,3,4,6,7,8-HpCDF	ng/kg	0.01 U	120	170	0.01 U	67	140	230	--	26	110	6.8 J	25	5.6 U	3.1 J	14	21
1,2,3,4,7,8-HxCDD	ng/kg	0.01 U	0.73 U	23	0.01 U	0.01 U	16	21	--	5.5 J	0.27 U	0.01 U	0.47 U	1.8 J	0.01 U	1.9 J	1.4 J
1,2,3,4,7,8-HxCDF	ng/kg	0.01 U	24 U	35	0.01 U	0.01 U	21 U	--	28 U	12.5 U	38	2 J	8.6 J	1.7 J	0.01 U	0.27 U	1.4 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.01 U	9.3 J	13	0.01 U	7.3 J	14	--	12.5 U	12.5 U	11 J	0.89 J	3 U	3.9 U	0.43 J	1.2 U	2.6 J
1,2,3,6,7,8-HxCDD	ng/kg	0.01 U	0.77 U	48	0.01 U	0.01 U	88	160	--	14	0.29 U	0.01 U	0.52 U	2.9 U	0.01 U	6.2 J	6 J
1,2,3,6,7,8-HxCDF	ng/kg	0.01 U	19	0.01 U	0.01 U	0.01 U	13 U	--	17 U	12.5 U	35	1.6 J	9.4 J	1.4 U	0.51 J	1.2 U	3.2 U
1,2,3,7,8-PeCDD	ng/kg	0.01 U	2 U	0.01 U	0.01 U	0.01 U	12.5 U	--	12.5 U	12.5 U	0.83 U	0.01 U	0.74 U	1 U	0.01 U	0.55 U	0.48 U
1,2,3,7,8-PeCDF	ng/kg	0.01 U	12 J	0.01 U	0.01 U	6.6 J	12.5 U	--	3.7 J	12.5 U	22	1.1 J	5.9 J	0.76 U	0.01 U	1.4 U	0.4 U
1,2,3,7,8,9-HxCDD	ng/kg	0.01 U	0.72 U	0.01 U	0.01 U	0.01 U	29	39	--	12.5 U	0.26 U	0.01 U	0.51 U	2.9 J	0.01 U	2.9 J	3.1 J
1,2,3,7,8,9-HxCDF	ng/kg	0.01 U	0.43 U	5.2 J	0.01 U	0.01 U	12.5 U	--	12.5 U	12.5 U	0.22 U	0.01 U	0.42 U	4.2 U	0.01 U	0.31 U	0.96 U
2,3,4,6,7,8-HxCDF	ng/kg	0.01 U	7.7 J	0.01 U	0.01 U	0.01 U	12.5 U	22	--	12.5 U	18	0.93 J	3.7 J	2 J	0.01 U	28 U	0.78 U
2,3,4,7,8-PeCDF	ng/kg	0.01 U	48	48	0.01 U	0.01 U	6.5 J	14	--	1.4 J	67	2.7 J	22	1 U	0.63 J	1.8 J	0.59 J
2,3,7,8-TCDD	ng/kg	0.01 U	0.51 U	0.01 U	0.01 U	0.01 U	5 U	1.7 J	--	5 U	0.075 U	0.01 U	1 U	1.9 J	0.01 U	0.25 J	0.33 J
2,3,7,8-TCDF	ng/kg	0.01 U	27	35	0.01 U	0.01 U	5 U	--	5 U	5 U	49	2.4 J	11	2.5 U	0.98 J	1.5 J	0.47 U
OCDD	ng/kg	30	8100	9300	18 J	3300	52000	--	33000	4400	1600	90	920	250	330	1500	2500
OCDF	ng/kg	0.01 U	280	210	0.53 J	190	260	--	610	66	110	8.1 J	43	12 U	6.1 J	34	120
TEQ Avian	ng/kg	0.031	84	93	0.025	2.2	37	48	--	18	130	5.8	37	5.3	1.8	6.3	2.9
TEQ Human	ng/kg	0.072	35	47	0.021	6.3	87	110	--	21	39	1.8	13	4.3	0.78	6	5.3
TEQ Mammals	ng/kg	0.072	35	47	0.021	6.3	87	110	--	21	39	1.8	13	4.3	0.78	6	5.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 UJ	2.1 U	2 U	2.2 U	--	2.2 U	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.2 U
Arsenic	mg/kg	1 U	1.7	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2
Barium	mg/kg	190	260	170 J	400	210	160 J	--	170	160	210	300	300	310	290	360	230
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.42 U	0.41 U	0.41 U	0.4 U	0.44 U	0.57	--	0.44 U	0.4 U	0.42 U	0.45 U	0.44 U	0.43 U	0.43 U	0.44 U
Chromium, total	mg/kg	29	36	26 J	61	33	35 J	--	31	35	38	58	33	60	44	41	25
Cobalt	mg/kg	7.5	8.3	5.9	14	9	8.5	--	9.1	9.1	9	13	8.8	15	11	10	7.2
Copper	mg/kg	14	12	11	19	16	16	14	--	15	11	26	12	33	33	34	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4	4.3	11 J	4.4	6	14	16 J	--	5.5	5.2	4.2	6.5	9.3	5.9	5.5	5.7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Molybdenum	mg/kg	1 U	1 U	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	19	22	14 J	46	22	20	--	17	24	27	37	25	43	32	31	17
Selenium	mg/kg	1 U	1 U	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	2 U	2.1 U	2 UJ	2.1 U	2 U	2.2 U	--	2.2 U	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.2 U
Vanadium	mg/kg	35	40	28 J	62	40	40 J	--	38	42	41	57	46	73	58	55	34
Zinc	mg/kg	29	34	50 J	46	39	71 J	47	--	43	34	42	35	52	47	52	34
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02
	SAMPLE	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725
	DATE	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	42	25	17 U	30	18 U	--	18 U	18 U	60	17 U	19 UJ	18 U	18 U	18 U	18 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	34 U	33 U	37 U	--	36 U	37 U	33 U	35 U	37 UJ	36 U	35 U	35 U	36 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U	18 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U	18 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U	18 U
Aroclor 1254	ug/kg	17 U	2900	2500	17 U	2100	350	900 J	--	420	5900	280	1200 J	18 U	18 U	77	78
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	640	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	53	18 U
Aroclor 1262	ug/kg	17 U	--	17 U	17 U	17 U	--	--	--	--	16 U	17 U	19 UJ	18 U	18 U	18 U	--
Aroclor 1268	ug/kg	17 U	--	17 U	17 U	17 U	--	--	--	--	16 U	17 U	19 UJ	18 U	18 U	18 U	--
Total PCBs	ug/kg	34 U	3160	2640	34 U	2780	359	909	--	429	6280	326	1230	36 U	36 U	148	112
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
B(a)P Equivalent	ug/kg	5.9 U	79	46	6 U	36	25	18	--	19	6.6	6.1 U	6.5 U	12	6.2 U	6.2	6.4 U
Benzo (a) anthracene	ug/kg	5.1 U	88	34	5.2 U	39	28 J	--	13	12	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Benzo (a) pyrene	ug/kg	5.1 U	49	27	5.2 U	23	15 J	11	--	12	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Benzo (b) fluoranthene	ug/kg	5.1 U	98	63	5.2 U	45	33 J	20	--	19	11	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Benzo (ghi) perylene	ug/kg	5.1 U	40	31	5.2 U	18	9.6 J	8	--	9	6	5.3 U	5.6 UJ	8	5.4 U	5.4 U	5.5 U
Benzo (k) fluoranthene	ug/kg	5.1 U	31	23	5.2 U	18	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Chrysene	ug/kg	5.1 U	78	46	5.2 U	37	25 J	13	--	5.6 U	6.7	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	8.3	6.8	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	7.7	5.4 U	5.4 U	5.5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02
	SAMPLE	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725
	DATE	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	140	100	5.2 U	82	45 J	28	--	7.8	16	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4	5.5 U
Fluorene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	30	25	5.2 U	16	10 J	7.6	--	8.6	5 U	5.3 U	5.6 UJ	7.3	5.4 U	5.4 U	5.5 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
PAH High molecular weight	ug/kg	0	682	448	0	349	202	124	--	76.2	52.7	0	0	23	0	10.8	0
PAH Low molecular weight	ug/kg	0	23	15	0	13	13	13	--	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	23	15	5.2 U	13	13 J	13	--	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U
Pyrene	ug/kg	5.1 U	120	92	5.2 U	71	36 J	23	--	7.8	13	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4	5.5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	340 U	340 U	340 U	340 U	330 U	370 U	--	360 U	370 U	330 U	350 U	370 UJ	360 U	350 U	360 U	360 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02
	SAMPLE	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725
	DATE	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-F05	AOC4-G01S	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02
	SAMPLE	AOC4-F05-10417	AOC4-G01S-50032	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725
	DATE	8/9/2010	4/22/2010	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate									
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06
	SAMPLE	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901
	DATE	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE							Field Duplicate										Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	4400	1400	55	1600	340	440 J	--	110	1300	1700	53	210	67	58	760 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	390	140	6.5 U	150	23	43	--	26	81	350	2.8 U	18	6.3 U	5.4 U	61	--
1,2,3,4,7,8-HxCDD	ng/kg	26	17	0.43 U	12 J	3.6 J	6 J	--	1.1 U	11 J	19	0.63 U	1.6 U	1.1 U	0.7 J	--	0.53 U
1,2,3,4,7,8-HxCDF	ng/kg	26 U	10 U	0.91 U	19 U	0.27 U	4.5 J	--	1.8 J	9.8 J	46 U	0.49 U	1.7 U	0.87 U	0.82 J	--	1.5 U
1,2,3,4,7,8,9-HpCDF	ng/kg	34	7.7 U	0.81 U	13	1.8 U	5.3 J	--	2.9 J	7.8 J	32	0.47 U	1.2 U	2 U	0.62 U	--	0.3 U
1,2,3,6,7,8-HxCDD	ng/kg	110	47	1.8 J	57	12 J	17	--	4.8 U	42	68	1.8 J	7.9 J	3.1 U	2.2 U	24	--
1,2,3,6,7,8-HxCDF	ng/kg	63 U	4.5 U	0.95 U	8.5 U	1.6 J	3 J	--	1.7 U	7.2 J	32	0.34 U	1 J	0.71 J	0.3 U	--	0.89 U
1,2,3,7,8-PeCDD	ng/kg	0.7 U	14 U	0.28 U	0.4 U	0.63 U	0.4 U	--	0.91 U	0.82 U	0.54 U	0.36 U	0.93 U	0.48 U	0.26 U	--	0.15 U
1,2,3,7,8-PeCDF	ng/kg	0.35 U	0.78 U	0.25 U	0.39 U	0.28 U	3 J	--	0.28 U	5.5 J	24	0.21 U	0.42 U	0.75 U	0.3 U	--	0.41 U
1,2,3,7,8,9-HxCDD	ng/kg	42	29	1.3 J	27	7.4 J	11 J	--	2 U	24	34	0.98 U	3.9 U	1.8 U	1.2 U	3.9 J	--
1,2,3,7,8,9-HxCDF	ng/kg	0.4 U	0.48 U	0.4 U	0.53 U	0.31 U	--	0.28 U	1.2 U	1.2 U	12 J	0.33 U	0.4 U	2 U	0.42 U	2.8 J	--
2,3,4,6,7,8-HxCDF	ng/kg	770 U	140 U	0.62 J	14	49 U	3 J	--	44 U	6.7 J	50	10 U	29 U	1 U	7.2 U	--	41 U
2,3,4,7,8-PeCDF	ng/kg	8.2 U	0.65 U	0.25 U	0.38 U	1.4 U	4.3 J	--	0.82 J	0.84 U	0.57 U	0.31 U	0.42 U	0.8 U	0.3 U	--	0.7 J
2,3,7,8-TCDD	ng/kg	1.9 J	0.64 U	0.32 U	0.48 U	0.17 U	1 J	--	0.14 U	0.94 J	1.7 U	0.37 U	0.25 U	0.67 U	0.097 U	--	0.13 U
2,3,7,8-TCDF	ng/kg	3.9 U	3 J	0.63 U	5.3 U	1.4 U	3.8 J	--	0.5 U	4.7 J	19 U	0.32 U	0.88 U	1 U	0.067 U	0.71 U	--
OCDD	ng/kg	50000	12000	580	14000	2900	5100 J	--	910	8600	14000	450	1900	630	990	17000 J	--
OCDF	ng/kg	1900	370	20 J	450	57	110	--	55	200	770	15 J	48	24 J	11 U	--	180
TEQ Avian	ng/kg	72	27	1.2	15	6.4	14	--	4.8	16	37	1.4	3.8	2.1	1.1	11	--
TEQ Human	ng/kg	130	44	1.6	35	10	14	--	5.4	29	52	1.9	6.3	2.2	1.9	22	--
TEQ Mammals	ng/kg	130	44	1.6	35	10	14	--	5.4	29	52	1.9	6.3	2.2	1.9	22	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.3 UJ	2 UJ	2.3 U	2.2 U	2.1 U	--	2 UJ	2.1 U	2 U	2.7	2.2 U	2.2 U	2.2 U	2.1 UJ	2.1 U	--
Arsenic	mg/kg	5	1.2	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	--
Barium	mg/kg	780 J	160 J	230	360	390	270	--	210	230	720	140	170	210	63 J	160	--
Beryllium	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	--
Cadmium	mg/kg	1.1 UJ	1 UJ	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1.5	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.45 U	0.4 U	0.45 U	3.1	0.9	--	0.41 U	0.42 U	2.7	16	0.45 U	0.44 U	0.43 U	0.43 U	0.41 U	--
Chromium, total	mg/kg	42 J	20	60	74	59	60	--	41	52	140	52	49	46	54 J	--	50
Cobalt	mg/kg	7.1 J	4.3 J	15	12	13	15	--	9.7	8.5	11	12	11	12	12 J	--	12
Copper	mg/kg	26	26	29	39	37	26	--	17	39	210	20	18	18	25	32	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.5 J	9.7 J	4.6	24	5.7	4.2	--	7	71	96	4.8	5.7	5.2	7 J	--	5.8
Mercury	mg/kg	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.22	0.51	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	--
Molybdenum	mg/kg	1.1 UJ	1 UJ	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--
Nickel	mg/kg	22 J	10 J	42	34	40	--	42 J	27	26	43	35	33	33	34 J	--	37
Selenium	mg/kg	1.1 U	1 UJ	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--
Silver	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	--
Thallium	mg/kg	2.3 UJ	2 UJ	2.3 U	2.2 U	2.1 U	--	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 UJ	2.1 U	--
Vanadium	mg/kg	46 J	23	66	54	59	--	62 J	43	39	57	59	50	49	54 J	--	57
Zinc	mg/kg	41 J	38 J	47	92	58	--	46 J	41	130	290	41	41	41	43 J	--	48
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06
	SAMPLE	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901
	DATE	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE							Field Duplicate										Field Duplicate
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1221	ug/kg	37 UJ	33 U	38 U	36 U	35 U	--	34 U	35 U	33 U	34 U	37 U	36 U	36 UJ	35 U	34 U	--
Aroclor 1232	ug/kg	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1242	ug/kg	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1248	ug/kg	19 UJ	17 U	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1254	ug/kg	320 J	300	19 U	66	75	--	17 U	17 U	250	160	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1260	ug/kg	19 UJ	17 U	19 U	18 U	49	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1262	ug/kg	19 UJ	17 U	19 U	18 U	18 U	--	--	--	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Aroclor 1268	ug/kg	19 UJ	17 U	19 U	18 U	18 U	--	--	--	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--
Total PCBs	ug/kg	349	326	38 U	93	142	--	34 U	46.5	276	186	38 U	36 U	36 U	36 U	34 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
2-Methyl naphthalene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Acenaphthene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Acenaphthylene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Anthracene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
B(a)P Equivalent	ug/kg	13	24	6.6 U	15	6.2	--	5.9 U	11	59	26	6.5 U	6.4 U	6.5 U	6.1 U	6 U	--
Benzo (a) anthracene	ug/kg	5.6 J	17	5.7 U	9.3	5.4 U	--	5.1 U	6.3	34	18	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Benzo (a) pyrene	ug/kg	5.6 UJ	15	5.7 U	7.9	5.4 U	--	5.1 U	6	36	17	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Benzo (b) fluoranthene	ug/kg	9 J	32	5.7 U	23	5.4 U	--	5.1 U	13	86	34	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Benzo (ghi) perylene	ug/kg	12 J	13	5.7 U	9	5.4 U	--	5.1 U	6.3	34	18	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Benzo (k) fluoranthene	ug/kg	5.6 UJ	11	5.7 U	5.7	5.4 U	--	5.1 U	5.6	28	9.9	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Chrysene	ug/kg	7.9 J	18	5.7 U	13	5.4 U	--	5.1 U	9.5	50	21	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Dibenzo (a,h) anthracene	ug/kg	8.2 J	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	7.4	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06
	SAMPLE	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901
	DATE	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE							Field Duplicate										Field Duplicate
ANALYTE	UNITS																
Fluoranthene	ug/kg	16 J	42	5.7 U	23	6.4	--	5.1 U	18	96	32	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Fluorene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	9.7 J	11	5.7 U	7.2	5.4 U	--	5.1 U	5.3	28	14	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Naphthalene	ug/kg	5.6 UJ	5 U	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
PAH High molecular weight	ug/kg	81.4	195	0	118	13.2	--	0	87	481	192	0	0	0	0	0	--
PAH Low molecular weight	ug/kg	6	8.3	0	7.5	0	--	0	0	32	13	0	0	0	0	0	--
Phenanthrene	ug/kg	6 J	8.3	5.7 U	7.5	5.4 U	--	5.1 U	5.3 U	32	13	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Pyrene	ug/kg	13 J	36	5.7 U	20	6.8	--	5.1 U	17	82	28	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	370 UJ	330 U	380 U	360 U	350 U	--	340 U	350 U	330 U	340 U	370 U	360 U	370 UJ	350 U	340 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06
	SAMPLE	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901
	DATE	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE							Field Duplicate										Field Duplicate
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J03	AOC4-J04	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06
	SAMPLE	AOC4-J03-10730	AOC4-J04-10733	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901
	DATE	5/17/2010	6/15/2010	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE							Field Duplicate										Field Duplicate
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07
	SAMPLE	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145
	DATE	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	410	--	1400	41	1600	43	140	1900	2600	1600	2200	1100	2300	200	20	570
1,2,3,4,6,7,8-HpCDF	ng/kg	25	--	100	2.5 J	110	2.7 J	8.4 J	100	160	74	97	87	170	12 J	0.97 U	36
1,2,3,4,7,8-HxCDD	ng/kg	--	0.82 J	2 J	0.33 J	2.3 J	0.25 U	0.33 U	3.8 J	3.5 J	7 J	18	2.3 J	5.8 J	0.46 U	0.25 U	1.1 J
1,2,3,4,7,8-HxCDF	ng/kg	--	0.26 U	9.2 J	0.24 U	9.6 J	0.16 U	0.24 U	8.9 U	16 U	6.9 U	14 U	6.9 J	13 U	0.51 U	0.43 U	4.4 J
1,2,3,4,7,8,9-HpCDF	ng/kg	0.38 U	--	8.2 J	0.26 U	6 J	0.5 U	0.35 U	0.73 U	13	6.7 J	14	0.27 U	0.86 U	0.53 U	0.34 U	1.1 U
1,2,3,6,7,8-HxCDD	ng/kg	11 J	--	35	1.2 J	39	0.96 U	3.3 J	46	62	38	77	30	62	4.7 J	0.38 U	17
1,2,3,6,7,8-HxCDF	ng/kg	--	1.9 U	4.9 U	0.15 U	0.12 U	0.15 U	0.76 U	5.5 U	9.7 U	2.4 J	13 U	0.087 U	6.8 U	0.99 U	0.12 U	4.7 U
1,2,3,7,8-PeCDD	ng/kg	--	0.18 U	0.35 U	0.14 U	0.5 J	0.21 J	0.24 U	0.34 U	0.45 U	0.48 U	1.2 U	0.16 U	0.36 U	0.27 U	0.19 U	0.38 U
1,2,3,7,8-PeCDF	ng/kg	--	0.21 U	0.3 U	0.059 U	1.1 J	0.096 U	0.11 U	1.5 U	1.4 J	1.5 U	0.77 U	0.89 U	1.6 J	0.18 U	0.085 U	0.43 U
1,2,3,7,8,9-HxCDD	ng/kg	1.8 J	--	5.4 J	0.21 U	5.9 J	0.45 U	0.38 U	9.2 U	8.7 U	13	21 U	4.8 J	13	1.1 U	0.25 U	2.3 U
1,2,3,7,8,9-HxCDF	ng/kg	--	0.32 U	5.1 J	0.2 U	5 J	0.19 U	0.29 U	0.43 U	7.8 J	0.5 U	1.1 U	3.3 J	6.8 J	0.61 U	0.17 U	0.41 U
2,3,4,6,7,8-HxCDF	ng/kg	--	57 U	210 U	4.5 U	160 U	6 U	22 U	170 U	310 U	140 U	0.94 U	120 U	270 U	29 U	3.4 U	0.36 U
2,3,4,7,8-PeCDF	ng/kg	0.26 U	--	2 U	0.057 U	2.6 J	0.1 U	0.11 U	2.3 U	3.4 J	2.1 J	5.1 J	2.2 J	3.2 J	0.27 U	0.082 U	0.42 U
2,3,7,8-TCDD	ng/kg	0.12 U	--	0.13 U	0.091 U	0.19 U	0.14 U	0.16 U	0.3 U	0.31 U	0.22 U	0.85 U	0.14 U	0.36 U	0.16 U	0.1 U	0.19 U
2,3,7,8-TCDF	ng/kg	--	0.24 U	0.25 U	0.2 U	0.59 J	0.086 U	0.27 U	0.61 J	0.45 U	0.88 U	1.4 U	0.49 U	0.77 U	0.49 J	0.36 U	0.29 U
OCDD	ng/kg	7100	--	25000	680	38000	590	2900	33000	41000	27000	22000	34000	50000	3500	240	9300
OCDF	ng/kg	74	--	310	5.9 J	270	6 U	26	230	400	210	230	290	410	57	3.4 J	120
TEQ Avian	ng/kg	5.5	--	20	0.68	21	0.87	2.1	19	31	18	17	16	31	3.2	0.65	3.6
TEQ Human	ng/kg	11	--	40	1.2	44	1.3	4.1	45	66	39	44	34	64	5.6	0.71	12
TEQ Mammals	ng/kg	11	--	40	1.2	44	1.3	4.1	45	66	39	44	34	64	5.6	0.71	12
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	89.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.2 UJ	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U
Barium	mg/kg	--	270 J	160	140	170	--	160	120	280	140	160	170	190	140	120	130
Beryllium	mg/kg	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U
Cadmium	mg/kg	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.44 U	0.42 U	0.41 U	0.41 U	--	0.41 U	1.6	0.41 U	0.75	1.8	0.4 U	0.42 U	0.42 U	0.5	0.4 U
Chromium, total	mg/kg	--	58	61	34	31	--	45	48	47	39	69	38	33	31	26	34
Cobalt	mg/kg	--	15	13	8.9	8.3	--	11	11	12	9	11	8.6	8.8	8.1	7.4	8.8
Copper	mg/kg	--	36	30	14	10	--	21	26	29	24	200	12	13	9.8	9.5	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	8.1	5.2	4.6	5.1	--	5	5.8	5.5	7.3	6.2	4.9	5.3	5.2	5.4	4.1
Mercury	mg/kg	--	0.11 U	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U
Nickel	mg/kg	--	45 J	43	27	23	--	34	36	35	26	32	27	27	25	23	29
Selenium	mg/kg	--	1.1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U
Silver	mg/kg	--	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U
Thallium	mg/kg	--	2.2 UJ	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U
Vanadium	mg/kg	--	67 J	59	42	38	--	48	52	52	42	44	41	40	36	35	39
Zinc	mg/kg	--	61 J	51	34	34	--	43	49	46	49	50	33	34	33	33	33
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07
	SAMPLE	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145
	DATE	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1221	ug/kg	--	36 U	35 U	34 U	34 U	--	34 U	34 U	34 U	34 U	34 U	34 U	35 U	35 U	35 U	33 U
Aroclor 1232	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1242	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1248	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1254	ug/kg	19	--	17 U	17 U	17 U	--	17 U	28	36	43	140	17 U	58	17 U	18 U	28
Aroclor 1260	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	29	17 U	17 U	17 U	18 U	17 U
Aroclor 1262	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Aroclor 1268	ug/kg	--	18 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U
Total PCBs	ug/kg	46	--	34 U	34 U	34 U	--	34 U	53.5	61.5	68.5	186	34 U	83.5	34 U	36 U	54.5
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Acenaphthene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Acenaphthylene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Anthracene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
B(a)P Equivalent	ug/kg	--	6.4 U	6.1 U	6 U	5.9 U	--	6 U	6.2	20	6.8	14	5.9 U	6.1	6 U	6.1 U	5.9
Benzo (a) anthracene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	16	5.1	11	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Benzo (a) pyrene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	13	5.1 U	7.8	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.8	22	8.8	15	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Benzo (ghi) perylene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	7.2	5.1 U	5.8	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	6.5	5.1 U	5.1	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Chrysene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.5	15	6.1	10	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07
	SAMPLE	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145
	DATE	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	12	35	13	23	5.1 U	6.3	5.2 U	5.3 U	8.1
Fluorene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	6.2	5.1 U	5.1	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Naphthalene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
PAH High molecular weight	ug/kg	--	0	0	0	0	--	0	32.5	151	44	104	0	11.9	0	0	13.8
PAH Low molecular weight	ug/kg	--	0	0	0	0	--	0	5.8	15	0	5.4	0	0	0	0	0
Phenanthrene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	5.8	15	5.1 U	5.4	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Pyrene	ug/kg	--	5.5 U	5.3 U	5.2 U	5.1 U	--	5.2 U	9.2	30	11	21	5.1 U	5.6	5.2 U	5.3 U	5.7
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	360 U	350 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	350 U	350 U	350 U	330 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07
	SAMPLE	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145
	DATE	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07	AOC4-L07	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07
	SAMPLE	AOC4-L07-20905	AOC4-L07-10905	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145
	DATE	9/16/2010	9/16/2010	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE	Field Duplicate															
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15
	SAMPLE	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101
	DATE	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	2	0	2	0	2	0	2	0	2	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	390	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 J	5500 J
1,2,3,4,6,7,8-HpCDF	ng/kg	23	--	--	--	--	--	--	--	--	--	--	--	--	--	130 J	430 J
1,2,3,4,7,8-HxCDD	ng/kg	0.68 U	--	--	--	--	--	--	--	--	--	--	--	--	--	18 J	48 J
1,2,3,4,7,8-HxCDF	ng/kg	0.27 U	--	--	--	--	--	--	--	--	--	--	--	--	--	7.8 J	28 J
1,2,3,4,7,8,9-HpCDF	ng/kg	2.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--	10 J	32 J
1,2,3,6,7,8-HxCDD	ng/kg	11 J	--	--	--	--	--	--	--	--	--	--	--	--	--	46 J	140 J
1,2,3,6,7,8-HxCDF	ng/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	6.1 J	38 J
1,2,3,7,8-PeCDD	ng/kg	0.25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	11 J	28 J
1,2,3,7,8-PeCDF	ng/kg	0.53 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2.9 J	19 J
1,2,3,7,8,9-HxCDD	ng/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	29 J	90 J
1,2,3,7,8,9-HxCDF	ng/kg	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 UJ	6.8 J
2,3,4,6,7,8-HxCDF	ng/kg	67 U	--	--	--	--	--	--	--	--	--	--	--	--	--	220 UJ	350 UJ
2,3,4,7,8-PeCDF	ng/kg	0.68 U	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6 J	12 J
2,3,7,8-TCDD	ng/kg	0.17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	0.09 UJ	2 UJ
2,3,7,8-TCDF	ng/kg	0.34 U	--	--	--	--	--	--	--	--	--	--	--	--	--	3 J	0.73 UJ
OCDD	ng/kg	6900	--	--	--	--	--	--	--	--	--	--	--	--	--	18000 J	41000 J
OCDF	ng/kg	84	--	--	--	--	--	--	--	--	--	--	--	--	--	310 J	940 J
TEQ Avian	ng/kg	5.8	--	--	--	--	--	--	--	--	--	--	--	--	--	41	95
TEQ Human	ng/kg	11	--	--	--	--	--	--	--	--	--	--	--	--	--	59	160
TEQ Mammals	ng/kg	11	--	--	--	--	--	--	--	--	--	--	--	--	--	59	160
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.52	8.17	9.23	8.94	8.65	8.07	8.48	8.55	8.57	8.45	--	9.41	9.08	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 UJ	2.1 U	2 UJ	--	2 U	2.1 U	2 U	2.2 U	2.1 U
Arsenic	mg/kg	1 U	6.2	4.1	5.1	7.3	3.6	3.4	7.3	6.6	5.2	--	3.8	12	7.1	2.6 J	3.1
Barium	mg/kg	140	93	89	76	110	130	120	190 J	220	180	--	130	170	160	160	170
Beryllium	mg/kg	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	1	0.48 U	0.42	0.49	0.42 U	0.41 U	0.73	0.42 U	0.4 U	--	0.41 U	1.7	0.41 U	0.21 U	0.58
Chromium, total	mg/kg	25	23	9.7	28	30	18	20	34	40	18	--	23 J	31	38	24 J	25
Cobalt	mg/kg	6.9	5.4	4.3	6.8	8.1	4.5	4.3	9.4	11	4.7	--	4.7	5.4 U	8.8	5.5 J	5
Copper	mg/kg	15	9.1	5	11	15	8.5	9.7	19	17	13	--	9.8	24	17	17 J	14
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.3	19	4.5	18	15	7.7	7.1	13	11	8.3	--	10	34	13	15 J	23
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.11	0.13	0.1 U	0.1 U	0.1 U	0.099 U	--	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 U	1 U
Nickel	mg/kg	21	11	7.4	15	19	11	11	24	29	11	--	13	10	22	13	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1.1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 UJ	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	4 U	4.3 U	4 U	4.1 U	4.1 U	4 U	--	4.1 U	11 U	4.1 U	2.2 U	2.1 U
Vanadium	mg/kg	35	26	17	30	35	25	24	38	40	27	--	27	19	33	25 J	23
Zinc	mg/kg	43	46	17	49	110	35	30	57	50	36	--	35	81	61	52	46
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	6900	--	13000	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	26000	--	38000	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15
	SAMPLE	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101
	DATE	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	2	0	2	0	2	0	2	0	2	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	1 U	--	1 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	12000	--	22000 J	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	5700	--	9600 J	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	210	--	310 J	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	1500	--	2500	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	450	--	620	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	3.2	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
4,4-DDT	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
Aldrin	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
alpha-BHC	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
beta-BHC	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 UJ	1.1 U
delta-BHC	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
Dieldrin	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
Endo sulfan II	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
Endrin	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	2.2 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
Heptachlor	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 U	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	1.1 U	--	1 U	--	--	--	--	--	--	1.1 UJ	1.1 U
Methoxy chlor	ug/kg	--	--	--	--	--	5.3 U	--	5.1 U	--	--	--	--	--	--	5.4 U	5.3 U
Toxaphene	ug/kg	--	--	--	--	--	53 U	--	51 U	--	--	--	--	--	--	54 U	53 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U	17 U
Aroclor 1221	ug/kg	34 U	--	--	--	--	35 U	--	34 U	34 UJ	--	--	--	--	--	36 U	35 U
Aroclor 1232	ug/kg	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U	17 U
Aroclor 1242	ug/kg	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U	17 U
Aroclor 1248	ug/kg	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	18 U	17 U
Aroclor 1254	ug/kg	100	--	--	--	--	18 U	--	44	17 UJ	--	--	--	--	--	580	690
Aroclor 1260	ug/kg	25	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	360	300
Aroclor 1262	ug/kg	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	--	--	--	--	18 U	--	17 U	17 UJ	--	--	--	--	--	--	--
Total PCBs	ug/kg	142	--	--	--	--	18 U	--	52.5	17 U	--	--	--	--	--	940	990
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.9	51	5.3 U	45	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5 U	36	5.3 U	56	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U
Acenaphthene	ug/kg	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U
Acenaphthylene	ug/kg	5.1 U	5 UJ	5.1 UJ	5 UJ	5.1 UJ	5.3 U	5.1 U	5.1 UJ	5.2 UJ	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U
Anthracene	ug/kg	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	6.5 J	5.4 U	5.3 U
B(a)P Equivalent	ug/kg	6.6	26	5.9 U	55	71	23	22	21	6	65	--	24	6.2 U	37	120	170
Benzo (a) anthracene	ug/kg	5.4	13	5.1 U	30	30	11	13	8.8	5.2 U	31	9.1	--	5.4 U	15 J	40	100
Benzo (a) pyrene	ug/kg	5.1 U	18	5.1 U	34	45	16	15	14	5.2 U	45	--	20	5.4 U	15 J	68	120
Benzo (b) fluoranthene	ug/kg	7.1	21	5.1 U	40	46	21	21	18	5.2 U	41	14	--	5.4 U	19 J	130	270
Benzo (ghi) perylene	ug/kg	5.1 U	16	5.1 U	33	41	13	12	14	5.2 U	25	8.6	--	5.4 U	17 J	65	29
Benzo (k) fluoranthene	ug/kg	5.1 U	20	5.1 U	34	53	10	9.2	15	5.2 U	53	14	--	5.4 U	15 J	54 U	69
Chrysene	ug/kg	6.8	24	5.1 U	40	54	17	18	17	5.2 U	60	--	39 J	5.4 U	16 J	70	120
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	5.1 U	11	14	5.3 U	5.1 U	5.1 U	5.2 U	9.8	--	5.1 U	5.4 U	17 J	54 U	9.1

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15
	SAMPLE	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101
	DATE	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	2	0	2	0	2	0	2	0	2	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Fluoranthene	ug/kg	13	34	5.1 U	71	74	25	28	24	6.3	87	27	--	5.4 U	10 J	140	270
Fluorene	ug/kg	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	16	5.1 U	29	36	12	12	12	5.2 U	27	8.7	--	5.4 U	17 J	57	33
Naphthalene	ug/kg	5.1 U	5 U	4 U	5 U	5.8	5.3 U	9	5.1 U	5.2 U	5 U	4.9 U	--	5.4 U	5.1 U	5.4 U	5.3 U
PAH High molecular weight	ug/kg	44.3	194	0	385	464	148	154	145	12.3	460	137	--	0	152	700	1270
PAH Low molecular weight	ug/kg	0	12	0	27.9	114	5.5	118	7.2	0	26	--	49	0	6.5	34	56
Phenanthrene	ug/kg	5.1 U	12	5.1 U	22	21	5.5	8.4	7.2	5.2 U	26	--	49 J	5.4 U	5.1 U	34	56
Pyrene	ug/kg	12	32	5.1 U	63	71	23	26	22	6	81	24	--	5.4 U	11 J	130	250
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2-Chlorophenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2-Methylphenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
2-Nitrophenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	750 U	--	710 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2,4-Dimethylphenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
2,4-Dinitrotoluene	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
2,6-Dinitrotoluene	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
3-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
3,3-Dichlorobenzidene	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
4-Bromophenyl phenyl ether	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
4-Chloro-3-methylphenol	ug/kg	--	660 U	670 U	660 U	670 U	710 U	670 U	670 U	680 U	660 U	--	670 U	710 U	670 U	--	--
4-Chloroaniline	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
4-Methylphenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
4-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
4-Nitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	--	--
Acetophenone	ug/kg	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	750 U	--	710 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	750 UJ	--	710 UJ	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	--	--
Benzyl alcohol	ug/kg	--	660 U	670 U	660 U	670 U	710 U	670 U	670 U	680 U	660 U	--	670 U	710 U	670 U	--	--
bis (2-chloroethoxy) methane	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Butylbenzylphthalate	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Caprolactam	ug/kg	--	--	--	--	--	350 UJ	--	340 UJ	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	350 U	--	340 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Di-n-octyl phthalate	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Dibenzofuran	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Diethyl phthalate	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Dimethyl phthalate	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Hexachlorobenzene	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Hexachloroethane	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
N-nitrosodiphenylamine	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Pentachlorophenol	ug/kg	340 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
Phenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15
	SAMPLE	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101
	DATE	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	2	0	2	0	2	0	2	0	2	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	13	10 UJ	34.8	--	--
TPH as gasoline	mg/kg	--	--	0.85 UJ	--	1 U	--	1 U	--	1 U	--	--	1.1 U	--	0.84 U	--	--
TPH as motor oil	mg/kg	--	10 U	14.2	12.1	22	51.8	46.7	19.9	10 U	19.2 J	--	77.9 J	48.4 J	702 J	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1-Dichloroethene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1-Dichloropropene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2-Dibromoethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2-Dichlorobenzene	ug/kg	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--
1,2-Dichloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2-Dichloropropane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,3-Dichlorobenzene	ug/kg	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--
1,3-Dichloropropane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
1,4-Dichlorobenzene	ug/kg	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	350 U	--	340 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	63 U	--	59 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--
2,4,6-Trichlorophenol	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
4-Isopropyltoluene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Acetone	ug/kg	--	--	40 U	--	--	--	--	--	59 U	--	--	52 U	--	--	--	--
Acrolein	ug/kg	--	--	80 U	--	100 U	--	130 U	--	120 U	--	98 U	--	--	100 U	--	--
Acrylonitrile	ug/kg	--	--	40 U	--	51 U	--	63 U	--	59 U	--	49 U	--	--	52 U	--	--
Benzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Bromobenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Bromochloromethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Bromodichloromethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Bromoform	ug/kg	--	--	4 UJ	--	5.1 UJ	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Bromomethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Carbon disulfide	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Carbon tetrachloride	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Chloro methane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Chlorobenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Chloroethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Chloroform	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	6.3 U	--	5.9 U	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-O08	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15
	SAMPLE	AOC4-O08-11149	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101
	DATE	10/1/2010	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		0	0	2	0	2	0	2	0	2	0	2	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0.5	3	0.5	3	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5	3
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Dibromomethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Ethyl- benzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Hexachlorobutadiene	ug/kg	--	330 U	4 U	330 U	5.1 U	350 U	6.3 U	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	710 U	--	670 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
Isopropylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	6.3 U	--	5.9 U	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	40 U	--	51 U	--	63 U	--	59 U	--	49 U	--	--	52 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	40 U	--	51 U	--	63 U	--	59 U	--	49 U	--	--	52 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	6.3 U	--	5.9 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
N-Butylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
N-Propylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Nitrobenzene	ug/kg	--	330 U	340 U	330 U	330 U	350 U	330 U	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--
p-Chlorotoluene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
sec-Butylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Styrene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
tert-Butylbenzene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Tetrachloroethene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Toluene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Trichloroethene	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Vinyl chloride	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Xylene, m,p-	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Xylene, o-	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--
Xylenes, total	ug/kg	--	--	4 U	--	5.1 U	--	6.3 U	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20
	SAMPLE	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	14	5	9	0	2	5	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	9300 J	290 J	600 J	--	--	--	2000 J	--	1000 J	430 J	220 J	--	--	--	410 J	540 J
1,2,3,4,6,7,8-HpCDF	ng/kg	210 J	23 J	55 J	--	--	--	150 J	--	70 J	34 J	19 J	--	--	--	36 J	38 J
1,2,3,4,7,8-HxCDD	ng/kg	110 J	2.9 J	3.7 UJ	--	--	--	12 J	--	6.6 J	4.3 UJ	1.7 J	--	--	--	1.1 UJ	4.6 J
1,2,3,4,7,8-HxCDF	ng/kg	20 J	2.6 UJ	2.4 J	--	--	--	9.7 J	--	5 J	1.8 UJ	1.1 UJ	--	--	--	1.2 UJ	3.4 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	17 UJ	1.7 UJ	3.4 UJ	--	--	--	9.8 J	--	6.3 J	2.3 UJ	0.88 UJ	--	--	--	2.3 UJ	2.7 J
1,2,3,6,7,8-HxCDD	ng/kg	150 J	6.1 UJ	10 UJ	--	--	--	46 J	--	20 UJ	10 J	4.8 UJ	--	--	--	8.6 UJ	12 UJ
1,2,3,6,7,8-HxCDF	ng/kg	12 J	1.4 UJ	2.1 UJ	--	--	--	6.5 J	--	3.5 UJ	2.1 UJ	0.82 UJ	--	--	--	2.4 J	3.8 UJ
1,2,3,7,8-PeCDD	ng/kg	17 J	1.2 UJ	2 UJ	--	--	--	5.2 J	--	1.2 UJ	1.4 UJ	0.97 UJ	--	--	--	1.6 UJ	1.7 UJ
1,2,3,7,8-PeCDF	ng/kg	6.3 UJ	3.4 J	1.2 UJ	--	--	--	3.4 J	--	1.6 UJ	2.6 UJ	1.6 J	--	--	--	1.2 UJ	3.2 J
1,2,3,7,8,9-HxCDD	ng/kg	60 J	4 J	7.3 UJ	--	--	--	17 J	--	9.6 J	6.9 J	1.6 UJ	--	--	--	5.1 UJ	6.9 J
1,2,3,7,8,9-HxCDF	ng/kg	5.5 J	0.55 UJ	0.39 UJ	--	--	--	2.6 UJ	--	1.5 UJ	0.67 UJ	1 UJ	--	--	--	0.64 UJ	1.2 UJ
2,3,4,6,7,8-HxCDF	ng/kg	420 UJ	23 UJ	34 UJ	--	--	--	240 UJ	--	110 UJ	42 UJ	31 UJ	--	--	--	39 UJ	44 UJ
2,3,4,7,8-PeCDF	ng/kg	6.9 J	1.7 UJ	1.2 UJ	--	--	--	3.6 J	--	1.8 UJ	0.77 UJ	0.63 UJ	--	--	--	1.2 UJ	1.3 UJ
2,3,7,8-TCDD	ng/kg	2.4 UJ	0.22 UJ	0.26 UJ	--	--	--	0.14 UJ	--	0.17 UJ	0.13 UJ	0.15 UJ	--	--	--	0.25 UJ	0.23 UJ
2,3,7,8-TCDF	ng/kg	3.5 UJ	1.5 J	0.27 UJ	--	--	--	2.4 J	--	1.2 J	0.99 UJ	0.57 UJ	--	--	--	0.55 UJ	2.8 J
OCDD	ng/kg	51000 J	2800 J	7200 J	--	--	--	18000 J	--	9400 J	4000 J	2000 J	--	--	--	3600 J	3500 J
OCDF	ng/kg	400 J	70 J	290 J	--	--	--	300 J	--	170 J	90 J	46 J	--	--	--	97 J	72 J
TEQ Avian	ng/kg	82	6.2	6.4	--	--	--	34	--	13	6.2	3.8	--	--	--	5.6	9.6
TEQ Human	ng/kg	190	7.6	13	--	--	--	55	--	24	11	5.9	--	--	--	9.8	13
TEQ Mammals	ng/kg	190	7.6	13	--	--	--	55	--	24	11	5.9	--	--	--	9.8	13
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	8.62	8.72	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	--	--	2 U	2.1 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	--	--
Arsenic	mg/kg	3.3	2.9	3.3	3.3	--	--	5.9	3.8	4.2	3.7	4.1	3.9	3.2	3.3	--	--
Barium	mg/kg	72	89	91	84	--	--	120	110	110	89	73	98	120	150	--	--
Beryllium	mg/kg	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	4.4	0.2 U	0.2 U	0.2 U	1.2	0.21 U	0.55	0.94	--	--	--	--	0.4 U	0.41 U	--	--
Chromium, total	mg/kg	48	17	14	12	--	--	25	20	19	13	13	17	16	11	--	--
Cobalt	mg/kg	5.6	5	4.5	4	--	--	7.4	5.3	5.1	4	4.5	5.5	4.7	3	--	--
Copper	mg/kg	11	18	6.3	6.2	--	--	17	11	9.3	15	7.6	14	11	5.9	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	22	6.8	7.1	2.9	--	--	14	28	9.4	13	7.4	5.1	9.6	4.9	7.1	--
Mercury	mg/kg	0.14	0.11	0.11 U	0.1 U	--	--	0.18	0.75	0.15	0.1 U	0.12	0.1 U	0.099 U	0.1 U	0.11	0.12
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--	--
Nickel	mg/kg	12	11	9.1	8.9	--	--	15	9.9	12	7.8	9.9	15	11	6.9	--	--
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	--	--
Silver	mg/kg	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--	--
Thallium	mg/kg	2.1 U	2 U	2 U	2 U	--	--	2 U	2.1 U	2.1 UJ	2 U	2 U	2 U	4 U	4 U	--	--
Vanadium	mg/kg	23	22	19	17	--	--	31	22	21	17	17	21	25	20	--	--
Zinc	mg/kg	69	34	26	21	--	--	57	53	42	35	33	29	33	20	--	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20
	SAMPLE	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	14	5	9	0	2	5	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
4,4-DDE	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
4,4-DDT	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Dieldrin	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Endo sulfan II	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
Endrin	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
Endrin aldehyde	ug/kg	2.1 U	2 U	2 U	2 U	--	--	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U
Methoxy chlor	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	5.2 U	5.2 U
Toxaphene	ug/kg	52 U	50 U	50 U	51 U	--	--	--	--	51 U	51 U	51 U	51 U	--	--	52 U	52 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U
Aroclor 1221	ug/kg	35 U	33 U	33 U	34 U	--	--	34 R	--	34 U	33 U	33 U	34 U	--	--	34 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	--	--	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U
Aroclor 1254	ug/kg	260	17 U	20	17 U	--	--	35 J	--	26	29	17 U	17 U	--	--	53	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	--	17 R	--	21	19	17 U	17 U	--	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	269	17 U	28.5	17 U	--	--	43.5 JH	--	47	48	17 U	17 U	--	--	61.5	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	9.8	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Anthracene	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	69	17	5.8 U	5.9 U	--	--	97	180	24	33	5.9 U	5.9 U	11	5.9 U	13	95
Benzo (a) anthracene	ug/kg	32	7.7	5 U	5.1 U	--	--	31	73 J	11	15	5.1 U	5.1 U	5 U	5.1 U	6.2	74 J
Benzo (a) pyrene	ug/kg	52 U	11	5 U	5.1 U	--	--	57 J	120 None	16	23	5.1 U	5.1 U	6.6	5.1 U	7.3	72 J
Benzo (b) fluoranthene	ug/kg	110	23	5 U	5.1 U	--	--	88 J	250 None	32	44	5.1 U	5.1 U	9.5	5.1 U	17	110 J
Benzo (ghi) perylene	ug/kg	52 U	5 U	5 U	5.1 U	--	--	51 U	52 U	7.9	10	5.1 U	5.1 U	6.2	5.1 U	5.2 U	19
Benzo (k) fluoranthene	ug/kg	52 U	9.4	5 U	5.1 U	--	--	51 U	90 J	8.5	13	5.1 U	5.1 U	5 U	5.1 U	7.3	42 J
Chrysene	ug/kg	30	10	5 U	5.1 U	--	--	54	130 J	20	27	5.1 U	5.1 U	7.4	5.1 U	8	58
Dibenzo (a,h) anthracene	ug/kg	52 U	5 U	5 U	5.1 U	--	--	51 U	52 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20
	SAMPLE	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	14	5	9	0	2	5	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	55	19	5 U	5.1 U	--	--	76	140	28	39	5.1 U	5.1 U	10	5.1 U	16	--
Fluorene	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	52 U	5 U	5 U	5.1 U	--	--	51 U	52 U	7.2	9.8	5.1 U	5.1 U	5.5	5.1 U	5.2 U	19
Naphthalene	ug/kg	5.2 U	5 U	5 U	5.1 U	--	--	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	277	98.1	0	0	--	--	382	933	158	222	0	0	54.9	0	76.8	604
PAH Low molecular weight	ug/kg	27.8	0	0	0	--	--	17	43	6.8	9.1	0	0	0	0	5.9	41
Phenanthrene	ug/kg	18	5 U	5 U	5.1 U	--	--	17	43	6.8	9.1	5.1 U	5.1 U	5 U	5.1 U	5.9	41 J
Pyrene	ug/kg	50	18	5 U	5.1 U	--	--	76	130	27	41	5.1 U	5.1 U	9.7	5.1 U	15	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20
	SAMPLE	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	14	5	9	0	2	5	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.93 U	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	100 U	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20
	SAMPLE	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	14	5	9	0	2	5	9	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	15	6	10	0.5	3	6	10	0.5	3	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	5.2 U	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5
	SAMPLE	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011
	DATE	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
SAMPLE TYPE			Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	1300 J	--	--	3600	18 U	5.6 U	--	960	3800	100	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	110 J	--	--	380	0.3 U	0.87 U	--	49	200	5.3 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	11 J	--	--	--	0.19 U	0.22 U	14	9.9 J	20	0.34 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	9.3 UJ	--	--	15 U	0.22 U	0.35 U	--	1.4 U	23	0.35 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	7.6 UJ	--	--	--	0.8 U	0.19 U	27 J	2.6 U	18	6.5 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	30 J	--	--	81	0.26 U	0.24 U	--	22	63	3.9 J	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	7 UJ	--	--	13 U	0.17 U	0.3 U	--	5.5 J	32 U	0.75 U	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	4.9 UJ	--	--	--	0.17 U	0.063 U	2.6 U	5.2 U	73 U	0.32 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	9.9 J	--	--	1 U	0.39 U	0.13 U	--	11 J	3.8 U	1.6 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	14 UJ	--	--	--	0.17 U	0.19 U	23	13	26	1.1 J	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.91 UJ	--	--	17 U	0.25 U	0.39 U	--	1.6 U	6.4 U	0.41 U	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	130 UJ	--	--	900 U	1.5 U	0.35 U	--	110 U	5.6 U	44 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	4.7 UJ	--	--	1 U	0.19 U	0.13 U	--	2.5 U	3.8 U	0.15 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.48 UJ	--	--	0.23 U	0.12 U	0.16 U	--	0.26 U	1.4 U	0.1 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	9.1 J	--	--	--	0.098 U	0.36 U	0.51 U	11	7.7 U	0.19 U	--	--	--	--	--	--
OCDD	ng/kg	12000 J	--	--	34000 J	170	94 U	--	8100	24000	1000	--	--	--	--	--	--
OCDF	ng/kg	230 J	--	--	870	2.9 U	2.2 U	--	87	480	22 J	--	--	--	--	--	--
TEQ Avian	ng/kg	28	--	--	--	0.46	0.46 U	68	27	60	3.2	--	--	--	--	--	--
TEQ Human	ng/kg	35	--	--	--	0.47	0.3 U	110	28	100	4.4	--	--	--	--	--	--
TEQ Mammals	ng/kg	35	--	--	--	0.47	0.3 U	110	28	100	4.4	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	7.92	8.22	7.63	7.69	9.12	9.01
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	2.1 U	2.1 U	2.1 U	2.4 U	2.1 U	2.2 U	2 U	2 U	2 U	2 U	2 U	--
Arsenic	mg/kg	--	--	--	3.6	3.1	3	--	4.6	5.1	1.5	3.2	3.5	3.7	3.9	4.9	7
Barium	mg/kg	--	--	--	170 J	200	220	--	190	140	130	110	130	120	110	90	--
Beryllium	mg/kg	--	--	--	--	1 U	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U	--
Cadmium	mg/kg	--	--	--	--	1.1	1.1	1 U	1.2 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	--	--	--	--	--	--	--	0.4 U	0.45 U	1.1	0.4 U	0.73	--
Chromium, total	mg/kg	--	--	--	--	48	57	34	30	62	41	25	15	22	19	35	43
Cobalt	mg/kg	--	--	--	8.2	15	12	--	8.2	6.8	2.6	4.1	3.8	5	4.6	7.1	7.7
Copper	mg/kg	--	--	--	13	23	22	--	23	27	13	17	7.3	12	11	19	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	47	9.3	2.2	4	2.7	2.4	--	17	20	6.4	9	23	13	11	28	--
Mercury	mg/kg	0.16	--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.12 U	0.17	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	--	--	--	1 U	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U	--
Nickel	mg/kg	--	--	--	18	38	38	--	18	16	5.9	12	10	12	11	17	--
Selenium	mg/kg	--	--	--	--	1 UJ	1 UJ	1 UJ	1.2 UJ	1 UJ	1.1 UJ	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	--	--	--	--	1 U	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U	--
Thallium	mg/kg	--	--	--	--	2.1 UJ	2.1 UJ	2.1 UJ	2.4 UJ	2.1 UJ	2.2 UJ	4 U	4.1 U	4 U	4 U	2 U	--
Vanadium	mg/kg	--	--	--	31	46	47	--	32	28	18	24	23	29	25	30	34
Zinc	mg/kg	--	--	--	--	44	42	47 J	60	42	18	49	92	53	42	100	85
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	9100	--	--	--	--	--	--	--	10000	--
Calcium	mg/kg	--	--	--	--	--	--	25000	--	--	--	--	--	--	--	26000	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5
	SAMPLE	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011
	DATE	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
SAMPLE TYPE			Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Iron	mg/kg	--	--	--	--	--	--	19000	--	--	--	--	--	--	--	17000	--
Magnesium	mg/kg	--	--	--	--	--	--	6800 J	--	--	--	--	--	--	--	7400	--
Manganese	mg/kg	--	--	--	--	--	--	230	--	--	--	--	--	--	--	250	--
Potassium	mg/kg	--	--	--	--	--	--	1900 J	--	--	--	--	--	--	--	2300	--
Sodium	mg/kg	--	--	--	--	--	--	260	--	--	--	--	--	--	--	810	--
Pesticides																	
4,4-DDD	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
4,4-DDE	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
4,4-DDT	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
Aldrin	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
alpha-BHC	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
alpha-Chlordane	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
beta-BHC	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
delta-BHC	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
Dieldrin	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
Endo sulfan I	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
Endrin	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	2 U	--	2 U	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--
gamma-BHC	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
gamma-Chlordane	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
Heptachlor	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
Heptachlor Epoxide	ug/kg	1 U	--	1 U	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--
Methoxy chlor	ug/kg	5.1 U	--	5.1 U	--	--	--	5.2 U	--	--	--	--	--	--	--	5 U	--
Toxaphene	ug/kg	51 U	--	51 U	--	--	--	52 U	--	--	--	--	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	17 U	--	16 U	17 U	17 U	19 U	17 U	18 U	--	--	--	--	16 U	--
Aroclor 1221	ug/kg	34 U	--	34 U	--	31 U	34 U	35 U	39 U	35 U	36 U	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	17 U	--	17 U	--	16 U	17 U	17 U	19 U	17 U	18 U	--	--	--	--	16 U	--
Aroclor 1242	ug/kg	17 U	--	17 U	--	16 UJ	17 UJ	17 UJ	19 UJ	17 UJ	18 UJ	--	--	--	--	16 U	--
Aroclor 1248	ug/kg	17 U	--	17 U	--	16 U	17 U	17 U	19 UJ	17 UJ	18 UJ	--	--	--	--	16 U	--
Aroclor 1254	ug/kg	87	36	17 U	--	16 U	17 U	28	780	1400	18 U	--	--	--	--	160	--
Aroclor 1260	ug/kg	39	--	17 U	--	16 U	17 U	32	550	930	18 U	--	--	--	--	16 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16 U	--
Total PCBs	ug/kg	126	44.5	17 U	--	16 U	17 U	60	1330	2330	18 U	--	--	--	--	168	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	160	--
2-Methyl naphthalene	ug/kg	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	120	--
Acenaphthene	ug/kg	9.9	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3	53	5 U	5.1 U	5 U	5 U	5.1	--
Acenaphthylene	ug/kg	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	5 UJ	--
Anthracene	ug/kg	23	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9	41	190	5 U	5.1 U	5 U	5 U	5 U	--
B(a)P Equivalent	ug/kg	340	--	5.9 U	21	6 U	6 U	--	180	980	600	24	5.9 U	33	31	110	--
Benzo (a) anthracene	ug/kg	260	--	5.1 U	24	5.2 U	5.2 U	--	140	1000	860	12	5.1 U	19	18	60	--
Benzo (a) pyrene	ug/kg	240	--	5.1 U	13	5.2 U	5.2 U	--	130	730	410	16	5.1 U	23	22	73	--
Benzo (b) fluoranthene	ug/kg	380	--	5.1 U	--	5.2 U	5.2 U	28 J	300	1300	780	24	5.1 U	32	31	77	--
Benzo (ghi) perylene	ug/kg	75	--	5.1 U	7.7	5.2 U	5.2 U	--	57	150	210	14	5.1 U	19	18	58	--
Benzo (k) fluoranthene	ug/kg	170	--	5.1 U	--	5.2 U	5.2 U	8.4	61	270	190	11	5.1 U	14	14	90	--
Chrysene	ug/kg	190	--	5.1 U	21	5.2 U	5.2 U	--	150	830	660	20	5.1 U	27	28	95	--
Dibenzo (a,h) anthracene	ug/kg	51 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	17	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5
	SAMPLE	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011
	DATE	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
SAMPLE TYPE			Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	UNITS																
Fluoranthene	ug/kg	540	51 J	5.1 U	37 J	5.2 U	5.2 U	--	290	1800	2200	32	5.1 U	44	44	140	--
Fluorene	ug/kg	5.1	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	29	5 U	5.1 U	5 U	5 U	5 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	72	--	5.1 U	6.7	5.2 U	5.2 U	--	59	160	190	14	5.1 U	18	18	52	--
Naphthalene	ug/kg	5.1 U	--	5.1 U	--	5.2 U	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	16	--
PAH High molecular weight	ug/kg	2400	--	0	181	0	0	--	1460	7840	7200	172	0	237	234	792	--
PAH Low molecular weight	ug/kg	258	--	0	14	0	0	--	98.9	506	1770	9.1	0	13	15	347	--
Phenanthrene	ug/kg	220	--	5.1 U	--	5.2 U	5.2 U	8.4	93	460	1500	9.1	5.1 U	13	15	46	--
Pyrene	ug/kg	470	47 J	5.1 U	39 J	5.2 U	5.2 U	--	270	1600	1700	29	5.1 U	41	41	130	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	690 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	690 U	--	--	--	660 U	680 U	670 U	660 U	660 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	690 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U	--
Atrazine	ug/kg	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	730 U	--	--	--	--	--	--	--	700 U	--
Benzoic acid	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	690 U	--	--	--	660 U	680 U	670 U	660 U	660 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U	--
Carbazole	ug/kg	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
Phenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5
	SAMPLE	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011
	DATE	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
SAMPLE TYPE			Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	10 U	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 UJ	--	3.7 U	--	0.78 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	24.4	17.3	11.8	11.7	61.6	59.4
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
2-Hexanone	ug/kg	--	--	--	--	--	--	71 U	--	--	--	--	--	--	--	--	43 U
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Acetone	ug/kg	--	--	--	--	--	--	71 U	--	--	--	--	--	--	59 U	--	43 U
Acrolein	ug/kg	--	--	--	--	--	--	140 U	--	--	--	--	100 U	--	120 U	--	86 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	71 U	--	--	--	--	51 U	--	59 U	--	43 U
Benzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Bromoform	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 UJ
Bromomethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Chloro methane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Chloroethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Chloroform	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Cyclohexane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	--	--	--	--	4.3 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5
	SAMPLE	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011
	DATE	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	2	9	0	2	5	0	0	2	4.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	3	10	0.5	3	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3
SAMPLE TYPE			Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Dibromomethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	690 U	--	--	--	--	--	--	--	660 U	--
Isophorone	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Methyl acetate	ug/kg	--	--	--	--	--	--	7.1 UJ	--	--	--	--	--	--	--	--	4.3 U
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	71 U	--	--	--	--	51 U	--	59 U	--	43 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	71 U	--	--	--	--	51 U	--	59 U	--	43 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	--	--	--	--	4.3 U
Methylene chloride	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Styrene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Toluene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Trichloroethene	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Xylene, o-	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U
Xylenes, total	ug/kg	--	--	--	--	--	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	SAMPLE	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	DATE	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	3200 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	210 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	21 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	9.3 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	15 J	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	59 J	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	6 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	6.1 J	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	2.4 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	19 J	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	3.3 J	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	350 UJ	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	3.1 J	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	0.44 UJ	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	1.2 UJ	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	34000 J	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	490 J	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	42	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	81	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	81	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	7	5.9	4 U
pH	PHUNITS	--	8.77	8.34	8.27	8.71	8.68	8.2	8.42	9.13	8.36	8.57	--	8.8	7.7	8.46	8.48
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	15.7	27.4	13.3
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2.1 U	--	2.1 U	--	4.4 U	4.9 U	4.7 U
Arsenic	mg/kg	--	3.8	3.8	2.2	4.3	6.3	3.6	4	5	4.8	--	4.9	--	8.3	7.4	5.9
Barium	mg/kg	130	180	120	94	83	130	100	87	120	91	--	97	--	163	595	264
Beryllium	mg/kg	2 U	2 U	2.1 U	2 U	1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U	4.7 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	8.8 U	9.8 U	9.3 U
Chromium-SPLP	mg/L	--	--	--	0.04	--	--	1.7	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1	0.79	0.46 U	4.4	0.41 U	2.4	48.6 J	1.3	0.4 U	0.42 U	--	1.5	4 U	31.5	6	4.4
Chromium, total	mg/kg	--	25	16	72	13	41	230	13	14	21	--	28	21.5	652	243	224
Cobalt	mg/kg	--	5.4	5	4.2	2.9	5.3	4.4	3.7	3.9	6.9	7.3	--	--	4.4 U	4.9 U	4.7 U
Copper	mg/kg	21	12	9.3	14	6.7	13	11	5.5	8	10	--	11	13.7	137	66.5	46.5
CR6 SPLP	mg/L	--	--	--	0.024 J	--	--	1.6 J	--	--	--	--	--	--	--	--	--
Lead	mg/kg	25	23	5	15	20	59	20	4.4	7	3.8	--	4.9	--	14.3	13.1	12
Mercury	mg/kg	0.27	0.14	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	0.019 U	0.019 U	0.02 U
Molybdenum	mg/kg	2 U	2 U	2.1 U	2 U	1 U	4.5	1	1 U	1 U	1 U	--	1 U	--	2.5 U	4.9 U	4.7 U
Nickel	mg/kg	20	13	14	11	6.7	12	10	8.1	8.1	15	--	15	14.3	4.4 U	4.9 U	4.7 U
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U	4.7 U
Silver	mg/kg	2 U	2 U	2.1 U	2 U	1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U	4.7 U
Thallium	mg/kg	4 U	4 U	4.2 U	4 U	2 U	4.1	2 U	2 U	2 U	2.1 U	--	2.1 U	--	8.8 U	9.8 U	9.3 U
Vanadium	mg/kg	--	31	25	22	18	25	20	17	19	32	--	31	--	39.5	36.2	34.5
Zinc	mg/kg	--	68	31	120	29	130	1000	21	34	41	--	53	55	134	147	197
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	265000	234000	22500

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	SAMPLE	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	DATE	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	8680	14000	14200
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	14300	13200	12800
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1730	2120	2640
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2790	1780	1820
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	33 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	160 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	169	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	220 J	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--
2-Methyl naphthalene	ug/kg	240 J	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--
Acenaphthene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--
Acenaphthylene	ug/kg	5.1 UJ	5.1 U	5.2 U	5 U	5 U	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.2 UJ	--	5.2 UJ	--	--	--	--
Anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--
B(a)P Equivalent	ug/kg	110	110	6.3	33	15	35	71	16	21	12	--	19	--	--	--	--
Benzo (a) anthracene	ug/kg	57	54	5.2 U	17	6.3	16	36	13	8.2	5.2 U	--	9	--	--	--	--
Benzo (a) pyrene	ug/kg	75	77	5.2 U	21	10	22	46	10	15	7.2	--	13	--	--	--	--
Benzo (b) fluoranthene	ug/kg	75	120	5.8	33	15	23	50	12	16	7.2	--	14	--	--	--	--
Benzo (ghi) perylene	ug/kg	62	50	5.2 U	20	6.7	18	36	6.5	15	7.4	--	12	--	--	--	--
Benzo (k) fluoranthene	ug/kg	94	36	5.2 U	9.3	7.4	27	62	12	18	9	--	16	--	--	--	--
Chrysene	ug/kg	93	87	5.2 U	26	11	27	64	15	17	7.1	--	15	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	18	12	5.2 U	5.1	5 U	6.8	12	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	SAMPLE	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	DATE	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Fluoranthene	ug/kg	130	130	6.2	44	14	38	97	27	21	7.2	--	19	--	--	--	--
Fluorene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	53	43	5.2 U	18	6.4	16	35	6.1	13	6.5	--	10	--	--	--	--
Naphthalene	ug/kg	32	5.1 U	5.2 U	5 U	5 U	4.8 U	5.1 U	3.5 U	5.1 U	4.4 U	4.1 U	--	--	--	--	--
PAH High molecular weight	ug/kg	777	739	18.2	231	90.8	230	526	127	143	59.1	--	126	--	--	--	--
PAH Low molecular weight	ug/kg	531	26	0	11	0	14	30	7.5	6.8	0	--	5.5	--	--	--	--
Phenanthrene	ug/kg	39	26	5.2 U	11	5 U	14	30	7.5	6.8	5.2 U	--	5.5	--	--	--	--
Pyrene	ug/kg	120	130	6.2	38	14	36	88	25	20	7.5	--	18	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2-Chlorophenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2-Methylphenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	1700 U	690 U	660 U	660 U	680 U	670 U	670 U	670 U	680 U	--	680 U	--	--	--	--
4-Chloroaniline	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
4-Methylphenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	4200 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	4200 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	670 U	1700 U	690 U	660 U	660 U	680 U	670 U	670 U	670 U	680 U	--	680 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Dibenzofuran	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Diethyl phthalate	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Hexachloroethane	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
Phenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	SAMPLE	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	DATE	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	101 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	--	--	--	--
TPH as gasoline	mg/kg	--	--	66 U	--	1 U	0.92 U	--	0.79 U	--	0.96 U	--	0.75 U	--	--	--	--
TPH as motor oil	mg/kg	--	101 U	10 U	31.1	10 U	48.8	42.7	15.5	20.3	10 U	--	10 U	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	4000 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	48 U	--	35 U	--	44 U	--	46 UJ	--	--	--	--
Acrolein	ug/kg	--	--	110 U	--	100 U	97 U	--	70 U	--	88 U	83 U	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	55 U	--	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--	--
Benzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Bromobenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Bromoform	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 UJ	--	--	--	--	--
Bromomethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Chloro methane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Chloroethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Chloroform	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-5	AOC9-6	AOC9-6	AOC9-7	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	SAMPLE	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3
	DATE	10/1/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2	0	2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	0.5	3	3	0.5	6	0.5	3	6	6	0	0	0	0
SAMPLE TYPE												Field Duplicate					
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Dibromomethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	830 U	5.5 U	330 U	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
Isopropylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	55 U	--	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	55 U	--	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	830 U	340 U	330 U	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Styrene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Toluene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Trichloroethene	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Xylene, o-	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--
Xylenes, total	ug/kg	--	--	5.5 U	--	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR
	SAMPLE	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04
	DATE	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	3	8	18	8
SAMPLE BOTTOM DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	3.7	--	--	--	--	--	--	--
pH	PHUNITS	8.81	8.14	7.5	8.7	8.8	8.7	8.8	8.6	8.8	8.9	9.4	8.8	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	7.3	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	4.1 U	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	9.2	--	9.9	8.4
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	270	85	240	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	1 U	2.1 U	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U	2.1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.59	0.5 U	4.1 U	2.5	4.7 U	13	41	99	1.2 J	4.5 U	4 U	9.4	0.16 U	--	0.16 U	0.16 U
Chromium, total	mg/kg	33.7	21.9	88.4	217	86.8	3360	1610	2740	379	28.4	77.7	228	26	--	25	22
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	7.8	--	10	8
Copper	mg/kg	2.2	8.2	34.8	69.6	42.7	211	139	288	79.7	22.7	17.2	40.5	11	11	12	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.7	--	4.3	2.9
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	1.3	3	--
Nickel	mg/kg	0.28 J	6	17	10.8	22.8	18	19	25	10.1	18.1	11.9	15.1	17	16	16	--
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U	2.1 U	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	1 U	2.1 U	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.1 U	2.1 U	4.1 U	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	34	28	31	--
Zinc	mg/kg	31.3	32.7	99.7	123	122	278	203	299	252	74.3	61.9	129	52	--	68	48
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	139000	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR
	SAMPLE	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04
	DATE	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	3	8	18	8
SAMPLE BOTTOM DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
SAMPLE TYPE																	Field Duplicate
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	540 J	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	12800	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	1280 J	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.9 U	6 U	6 U	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR
	SAMPLE	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04
	DATE	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	3	8	18	8
SAMPLE BOTTOM DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	680 U	680 U	680 U	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	680 U	680 U	680 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR
	SAMPLE	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04
	DATE	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	3	8	18	8
SAMPLE BOTTOM DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.96 U	0.89 U	0.83 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	86 U	--	84 U	90 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	GS-1	GS-2	L-1	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR
	SAMPLE	GS-1	GS-2	L1-S	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04
	DATE	11/1/1998	11/1/1998	2/20/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	3	8	18	8
SAMPLE BOTTOM DEPTH (FT)		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	2	0	2	2	2	1	0	1.5	0.5	4	9	19	9
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10
	SAMPLE	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		1.5	19	29	39	49	59	0	0	0	2	0	5	9	2	0	0
SAMPLE BOTTOM DEPTH (FT)		2	20	30	40	50	60	1	1	1	3	1	6	10	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	20	30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4600 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	320 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28 J
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.1 J
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	66 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.8 J
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	260 UJ
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 J
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 UJ
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.9 J
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	41000 J
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	530 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2 U	2 U	2 U	2.1 UJ	2.2 U	2 U	2 U	--	2 U	2.1 U
Arsenic	mg/kg	2.1 U	12	13	12	8.3	8.4	3.6	2.4	4.9	4.4	4.8	2.4	1.5	--	4.2	7
Barium	mg/kg	410	240	110	150	180	37	130	69	160	330	290	110	140	--	95	150
Beryllium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	150	0.43	0.17 U	0.43	0.17 U	0.18 U	0.42	0.89	1.9	0.26	0.82	0.2 U	0.2 U	--	0.2 U	0.95
Chromium, total	mg/kg	4000	33	26	35	24	27	27	30	66	--	26	7.1	5.8	14	21	40
Cobalt	mg/kg	8.2	12	11	12	8.7	13	6.9	8.1	4.9	8.6 J	10	5.9	5.4	--	6.7	4.3
Copper	mg/kg	300	24	14	17	17	58	16	15	19	13 J	62	6.2	4.8	--	13	24
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	160	4	3.6	4.2	3.7	3.4	7.4	5.2	17	--	19	1.7	1.2	9.3 J	150	56
Mercury	mg/kg	0.33	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.18	0.1 U
Molybdenum	mg/kg	3.5	2.1 U	2.1 U	2.1 U	1.1 U	1.1 U	1 U	1 U	1.3	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Nickel	mg/kg	24	25	19	22	16	22	19	20	13	9.1	20	7.1	5.2	--	13	8
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	6.1	4.7	4.8	4.7	2.1 U	2.2 U	2 U	2 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2.1 U
Vanadium	mg/kg	23	38	33	34	28	28	33	23	22	35 J	33	21	21	--	32	20
Zinc	mg/kg	300	63	64	51	46	41	83	74	170	44	94	21	23	--	130	190
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	9000	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	21000	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10
	SAMPLE	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		1.5	19	29	39	49	59	0	0	0	2	0	5	9	2	0	0
SAMPLE BOTTOM DEPTH (FT)		2	20	30	40	50	60	1	1	1	3	1	6	10	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	20	30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	0.21 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	19000	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	6800	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	260	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3700 J	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	300 J	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	34 U	34 U	34 U	34 U	36 U	33 U	33 U	--	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 UJ	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	20	17 U	100	17 U	38	17 U	17 U	--	51	590
Aroclor 1260	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	45.5	34 U	126	34 U	65	34 U	34 U	--	76.5	616
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	7.5 J
Acenaphthene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	11 J
Acenaphthylene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	9.2 J
Anthracene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	38 J
B(a)P Equivalent	ug/kg	--	6.1 U	6.1 U	6.1 U	6.1 U	6.4 U	13	6.5	470	6 U	150	56 U	5.8 U	--	64	2300
Benzo (a) anthracene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	230	5.2 U	59 J	5 U	5 U	--	12	1600 J
Benzo (a) pyrene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	8.1	5.1 U	300	5.2 U	94	50 U	5 U	--	50 U	1600
Benzo (b) fluoranthene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	16	8.5	640	5.2 U	230	50 U	5 U	--	100	2600
Benzo (ghi) perylene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	7.4	5.1	170	5.2 U	54 U	50 U	5 U	--	50 U	750
Benzo (k) fluoranthene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	250	5.2 U	87	50 U	5 U	--	50 U	930
Chrysene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	11	5.1	410	5.2 U	120 J	5 U	5 U	--	20	2600 J
Dibenzo (a,h) anthracene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	68	5.2 U	54 U	50 U	5 U	--	50 U	210

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10
	SAMPLE	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		1.5	19	29	39	49	59	0	0	0	2	0	5	9	2	0	0
SAMPLE BOTTOM DEPTH (FT)		2	20	30	40	50	60	1	1	1	3	1	6	10	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	20	30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	15	5.1 U	540	5.2 U	140 J	5 U	5 U	--	23	3700 J
Fluorene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	8.9 J
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	6.1	5.1 U	170	5.2 U	54 U	50 U	5 U	--	50 U	790
Naphthalene	ug/kg	--	4.6 U	5.3 U	4.2 U	4.3 U	4.8 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	8.6 J
PAH High molecular weight	ug/kg	--	0	0	0	0	0	77.6	18.7	3310	0	840	0	0	--	175	18200
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	180	0	57	0	0	--	10	1380
Phenanthrene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	180	5.2 U	57 J	5 U	5 U	--	10	1300 J
Pyrene	ug/kg	--	5.3 U	5.3 U	5.3 U	5.3 U	5.5 U	14	5.1 U	530	5.2 U	110 J	5 U	5 U	--	20	3400 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2-Chlorophenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2-Methylphenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
2-Nitrophenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	720 UJ	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
2,4-Dimethylphenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
2,4-Dinitrotoluene	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2,6-Dinitrotoluene	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
3,3-Dichlorobenzidene	ug/kg	--	350 U	350 U	350 U	350 U	360 U	670 U	670 U	6700 U	680 U	7200 U	660 U	670 U	--	660 U	680 UJ
4-Bromophenyl phenyl ether	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
4-Chloro-3-methylphenol	ug/kg	--	700 U	700 U	700 U	700 U	720 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U	--	660 U	680 UJ
4-Chloroaniline	ug/kg	--	350 U	350 U	350 U	350 U	360 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U	--	660 U	680 UJ
4-Chlorophenyl phenyl ether	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
4-Methylphenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1800 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	720 UJ	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	720 UJ	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1800 U	1800 U	1800 U	1700 UJ	1700 UJ	1700 UJ	1700 U	1800 UJ	1700 U	1700 U	--	1700 U	1700 UJ
Benzyl alcohol	ug/kg	--	700 U	700 U	700 U	700 U	720 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U	--	660 U	680 UJ
bis (2-chloroethoxy) methane	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
bis (2-ethylhexyl) phthalate	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	3300 U	340 U	3600 U	330 U	330 U	--	330 U	340 UJ
Butylbenzylphthalate	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	3300 U	340 U	3600 U	330 U	330 U	--	330 U	340 UJ
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Di-n-octyl phthalate	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	3300 U	340 U	360 UJ	330 U	330 U	--	3300 U	34000 U
Dibenzofuran	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Diethyl phthalate	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Dimethyl phthalate	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Hexachlorobenzene	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Hexachloroethane	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
n-Nitroso-di-n-propylamine	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
N-nitrosodiphenylamine	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ
Phenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10
	SAMPLE	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016
	SAMPLE TOP DEPTH (FT)	1.5	19	29	39	49	59	0	0	0	2	0	5	9	2	0	0
	SAMPLE BOTTOM DEPTH (FT)	2	20	30	40	50	60	1	1	1	3	1	6	10	3	1	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	20	30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5
	SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	11 U	11 U	11 U	11 U	11 U	10 U	10 U	63	10 U	17	10 U	10 U	--	12	53
TPH as gasoline	mg/kg	--	1.4 U	0.84 U	0.73 U	0.96 UJ	1.1 U	--	--	--	1.3 U	--	1.1 U	1.3 U	--	--	--
TPH as motor oil	mg/kg	--	11 U	11 U	11 U	11 U	11 U	10 U	21	360 J	10 U	35	10 U	10 U	--	220	300
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1-Dichloroethene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1-Dichloropropene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1,1-Trichloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1,2-Trichloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2-Dibromoethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2-Dichlorobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ
1,2-Dichloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2-Dichloropropane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2,3-Trichloropropane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ
1,2,4-Trimethylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,3-Dichlorobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ
1,3-Dichloropropane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
1,4-Dichlorobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	65 U	--	--
2,2-Dichloropropane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1800 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
2,4,6-Trichlorophenol	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
4-Isopropyltoluene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Acetone	ug/kg	--	46 U	59 U	42 U	43 U	48 U	--	--	--	--	--	87 U	57 U	65 U	--	--
Acrolein	ug/kg	--	91 U	120 U	84 U	86 U	96 U	--	--	--	--	--	170 U	110 U	130 U	--	--
Acrylonitrile	ug/kg	--	46 U	59 U	42 U	43 U	48 U	--	--	--	--	--	87 UJ	57 UJ	65 UJ	--	--
Benzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
bis (2-chloroisopropyl) ether	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Bromobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Bromochloromethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Bromodichloromethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Bromoform	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Bromomethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Carbon disulfide	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Carbon tetrachloride	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Chloro methane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Chlorobenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Chloroethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Chloroform	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	11	--	8.7 U	5.7 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10
	SAMPLE	MW-58-BR-SS01	MW-58-BR-SS02	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		1.5	19	29	39	49	59	0	0	0	2	0	5	9	2	0	0
SAMPLE BOTTOM DEPTH (FT)		2	20	30	40	50	60	1	1	1	3	1	6	10	3	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	20	30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5
SAMPLE TYPE															Field Duplicate		
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Dibromomethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Dichlorodifluoromethane	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Ethyl- benzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Hexachlorobutadiene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	670 U	670 U	670 U	--	720 U	8.7 U	5.7 U	6.5 U	660 U	680 UJ
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	680 U	--	--	--	--	--	--
Isophorone	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
Isopropylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--
Methyl ethyl ketone	ug/kg	--	46 U	59 U	42 U	43 U	48 U	--	--	--	--	--	87 U	57 U	65 U	--	--
Methyl isobutyl ketone	ug/kg	--	46 U	59 U	42 U	43 U	48 U	--	--	--	--	--	87 U	57 U	65 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--
Methylene chloride	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
N-Butylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
N-Propylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Nitrobenzene	ug/kg	--	350 U	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ
p-Chlorotoluene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
sec-Butylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Styrene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
tert-Butylbenzene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Tetrachloroethene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Toluene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Trichloroethene	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Vinyl chloride	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Xylene, m,p-	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Xylene, o-	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--
Xylenes, total	ug/kg	--	4.6 U	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
SAMPLE TOP DEPTH (FT)		2	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	3300 J	--	--	20000 J	--	--	11000 J	--	--	6700 J	--	55000 J	--	25000 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	340 J	--	--	1500 J	--	--	760 J	--	--	570 J	--	4700 J	--	1300 J	--
1,2,3,4,7,8-HxCDD	ng/kg	--	40 J	--	--	45 J	--	--	86 J	--	--	69 J	--	140 J	--	79 J	--
1,2,3,4,7,8-HxCDF	ng/kg	--	23 J	--	--	160 J	--	--	41 J	--	--	38 UJ	--	550 J	--	150 J	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	23 J	--	--	95 J	--	--	43 J	--	--	35 UJ	--	240 J	--	65 J	--
1,2,3,6,7,8-HxCDD	ng/kg	--	120 J	--	--	410 J	--	--	280 J	--	--	190 J	--	1900 J	--	550 J	--
1,2,3,6,7,8-HxCDF	ng/kg	--	29 J	--	--	59 J	--	--	53 J	--	--	26 UJ	--	130 J	--	46 UJ	--
1,2,3,7,8-PeCDD	ng/kg	--	25 J	--	--	22 J	--	--	43 J	--	--	48 J	--	44 J	--	30 J	--
1,2,3,7,8-PeCDF	ng/kg	--	6.1 J	--	--	24 J	--	--	10 J	--	--	16 J	--	120 J	--	42 J	--
1,2,3,7,8,9-HxCDD	ng/kg	--	60 J	--	--	94 J	--	--	140 J	--	--	110 J	--	260 J	--	120 J	--
1,2,3,7,8,9-HxCDF	ng/kg	--	4.4 J	--	--	60 J	--	--	8.6 J	--	--	4.2 UJ	--	170 J	--	45 J	--
2,3,4,6,7,8-HxCDF	ng/kg	--	340 UJ	--	--	1900 UJ	--	--	470 UJ	--	--	450 UJ	--	7400 UJ	--	1800 UJ	--
2,3,4,7,8-PeCDF	ng/kg	--	9.7 J	--	--	42 J	--	--	16 J	--	--	14 J	--	270 J	--	66 J	--
2,3,7,8-TCDD	ng/kg	--	2.4 UJ	--	--	3.3 UJ	--	--	3.5 UJ	--	--	6.1 UJ	--	10 UJ	--	3.7 J	--
2,3,7,8-TCDF	ng/kg	--	5.3 J	--	--	9.5 J	--	--	8.1 J	--	--	19 J	--	77 J	--	23 J	--
OCDD	ng/kg	--	25000 J	--	--	290000 J	--	--	87000 J	--	--	71000 J	--	440000 J	--	250000 J	--
OCDF	ng/kg	--	460 J	--	--	6000 J	--	--	1700 J	--	--	2000 J	--	13000 J	--	3100 J	--
TEQ Avian	ng/kg	--	83	--	--	280	--	--	150	--	--	150	--	1100	--	320	--
TEQ Human	ng/kg	--	120	--	--	520	--	--	280	--	--	220	--	1600	--	580	--
TEQ Mammals	ng/kg	--	120	--	--	520	--	--	280	--	--	220	--	1600	--	580	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.3 U	--	2.1 U	--	2 U	--
Arsenic	mg/kg	--	4.3	4.9	--	6	5.6	4.8	5.2	--	--	5.8	--	5.2	--	5.5	--
Barium	mg/kg	--	140	180	--	190	150	200	130	--	--	150	--	96	--	96	--
Beryllium	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Cadmium	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.35	--	--	0.56	--	0.26	0.28	--	--	0.46 U	--	0.82 J	--	0.2 U	--
Chromium, total	mg/kg	--	63	10	--	50	13	15	65	--	--	34	--	33	--	49	--
Cobalt	mg/kg	--	5.6	4	--	5.3	4.7	6.3	7.3	--	--	5.8	--	5.5	--	5.8	--
Copper	mg/kg	--	23	7.1	--	31	9.7	12	64	--	--	160	--	11	--	26	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	28	4.7	--	12	5.7	5.8	47	--	--	30	--	23	--	32	--
Mercury	mg/kg	--	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.12 U	--	0.1 U	--	0.1 U	--
Molybdenum	mg/kg	--	3.3	1 U	--	3.1	1 U	1 U	1.4	--	--	9.8	--	1 U	--	1.2	--
Nickel	mg/kg	--	16	7.4	--	13	8.3	11	22	--	--	15	--	11	--	12	--
Selenium	mg/kg	--	1 U	1 UJ	--	1 U	1 UJ	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Silver	mg/kg	--	1 U	1 U	--	1 U	1 U	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Thallium	mg/kg	--	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.3 U	--	2.1 U	--	2 U	--
Vanadium	mg/kg	--	20	19	--	25	18	27	33	--	--	28	--	27	--	28	--
Zinc	mg/kg	--	300	29	--	130	37 J	45	190	--	--	550	--	84	--	150	--
Metals CLP																	
Aluminum	mg/kg	--	--	6300	--	--	6800	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	36000	--	--	27000	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
SAMPLE TOP DEPTH (FT)		2	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	0.22 UJ	--	--	0.21 UJ	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	8800	--	--	11000 J	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	5600	--	--	5900	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	180	--	--	200	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1600	--	--	1700 J	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	590	--	--	820	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5.3 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	53 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 UJ	17 U
Aroclor 1221	ug/kg	34 U	34 U	--	34 U	34 U	34 U	34 U	34 U	34 U	--	38 UJ	34 U	34 U	35 U	34 U	35 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	530	--	19	470 J	27	22	450	30	--	28 J	17 U	83	17 U	82	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	60	17 U	55 J	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	34 U	556	--	44.5	496	52.5	47.5	476	55.5	--	56.5	34 U	160	34 U	154	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	6.2 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 UJ	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5.1 U	10 J	5.2 U	--	10 J	5.2	5.2 U	13 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 UJ	5.1 U	5.2 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	8.3 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 U	8.5 J	5.2 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	6.2 J	5.1 U	--	57 U	5.2 U	26	5.3 U	25 J	5.2 U
Anthracene	ug/kg	5.1 U	19 J	5.2 U	--	5.2 U	5.2 U	5.2 U	27 J	5.1 U	--	95	5.2 U	29	5.3 U	68	5.2 U
B(a)P Equivalent	ug/kg	5.9 U	1000	--	11	200	25	67	1700	--	89	8200	6	840	14	2200	6 U
Benzo (a) anthracene	ug/kg	5.1 U	350 J	5.2 U	--	130 J	15	52 U	1000 J	--	46	3800 U	5.2 U	410	6	1200	5.2 U
Benzo (a) pyrene	ug/kg	5.1 U	550	--	6.6	130	16	52 U	1100	--	65	4400 J	5.2 U	610	7.8	1700	5.2 U
Benzo (b) fluoranthene	ug/kg	5.1 U	1500	8.7	--	250	34	90	1900	--	140	15000	5.2 U	1400	20	2900	5.2 U
Benzo (ghi) perylene	ug/kg	5.1 U	520 U	--	5.6	69	10	52 U	590	25	--	3800 U	5.2 U	450	7.8	840	5.2 U
Benzo (k) fluoranthene	ug/kg	5.1 UJ	520 U	5.2 UJ	--	86	5.6 J	52 U	800	37 J	--	5800 J	5.2 U	330	5.7	1100	5.2 U
Chrysene	ug/kg	5.1 U	600	--	7	170	18	52	1000	--	63	5200 J	5.2 U	780	11	2100	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	520 U	5.2 U	--	52 U	5.2 U	52 U	520 U	5.1 U	--	3800 U	5.2 U	5.1 U	5.3 U	5.1 U	5.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
SAMPLE TOP DEPTH (FT)		2	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Fluoranthene	ug/kg	5.1 U	770	8.7	--	170 J	37	56 J	1700	--	97	1300	5.2 U	830	9.9	2600	5.2 U
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	6.6 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 U	9.8 J	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	520 U	5.2 U	--	66	9.7	52 U	560	--	26	3800 U	5.2 U	410	6.7	840	5.2 U
Naphthalene	ug/kg	5.1 U	10 J	5.2 U	--	5.2 U	5.2 U	5.2 U	12 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 UJ	14 J	5.2 U
PAH High molecular weight	ug/kg	0	4490	--	51	1220	177	241	10300	--	592	32900	0	5940	84.1	15900	0
PAH Low molecular weight	ug/kg	0	289	0	--	150	28.2	23	859	--	33	585	24	175	20	695	0
Phenanthrene	ug/kg	5.1 U	250 J	5.2 U	--	140 J	23	23 J	780 J	--	33	490	24	120	20	570	5.2 U
Pyrene	ug/kg	5.1 U	720	--	9.8	150 J	32	43 J	1600	--	93	1200	5.2 U	720	9.2	2600	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2-Chlorophenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2-Methylphenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2-Nitroaniline	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
2-Nitrophenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
2,4-Dimethylphenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
2,4-Dinitrotoluene	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,6-Dinitrotoluene	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
3-Nitroaniline	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
3,3-Dichlorobenzidene	ug/kg	--	6800 U	690 U	--	6900 U	690 U	6800 U	6900 U	--	--	7500 U	--	6800 U	--	6700 U	--
4-Bromophenyl phenyl ether	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Chloro-3-methylphenol	ug/kg	--	680 U	690 U	--	690 U	690 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
4-Chloroaniline	ug/kg	--	680 U	690 U	--	690 U	690 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Methylphenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Nitroaniline	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
4-Nitrophenol	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 UJ	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
Acetophenone	ug/kg	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	740 U	--	--	730 UJ	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
Benzyl alcohol	ug/kg	--	680 U	690 U	--	690 U	690 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	--	--	3800 U	--	3400 U	--	3400 U	--
Butylbenzylphthalate	ug/kg	--	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	--	--	3800 U	--	3400 U	--	3400 U	--
Caprolactam	ug/kg	--	--	350 U	--	--	350 UJ	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	350 U	--	--	350 U	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Di-n-octyl phthalate	ug/kg	--	3400 U	350 U	--	3400 U	350 U	3400 U	34000 U	--	--	3800 U	--	3400 U	--	3400 U	--
Dibenzofuran	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Diethyl phthalate	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Dimethyl phthalate	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Hexachlorobenzene	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Hexachloroethane	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
N-nitrosodiphenylamine	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Pentachlorophenol	ug/kg	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
Phenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
SAMPLE TOP DEPTH (FT)		2	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
SAMPLE TYPE					Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	28	--	--	15	--	10 U	47	--	--	130	--	37	--	35	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	240	--	--	120	--	34	370	--	--	580	--	250	--	190	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,2-Dichloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,3-Dichloropropane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,4-Dioxane	ug/kg	--	--	350 U	--	--	350 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,4,6-Trichlorophenol	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Isopropyltoluene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	190 U	--	--	120 U	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	93 U	--	--	58 U	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Bromobenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-10	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-10-02	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/26/2017	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
SAMPLE TOP DEPTH (FT)		2	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE				Field Duplicate						Field Duplicate						
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	680 U	6 U	--	690 U	6.1 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	690 UJ	--	--	690 UJ	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Isopropylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
p-Chlorotoluene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	680 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	67 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	6.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	19 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	5.7 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	19 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	8.5 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	1.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	28 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	9.5 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	2.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	59 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	11 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	1.2 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	36 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	6700 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	96 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	7.8	7.9	8.2	8.7	--	--	--	8.7	9.01	9.15	8.94	9.64	8.67	9.39	9.03
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	11	--	--	--	2.4	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	64	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.52	--	--	--	0.4 UJ	0.9	0.51 U	0.5 U	0.5 U	0.51 U	0.51 U	0.5 U	0.5 U	0.5 U	0.6	5.8
Chromium, total	mg/kg	8.9	--	--	--	2.9	16.5	90	24.7	23.4	18.8	18.1	17.5	16.1	18.3	19.4	39.5
Cobalt	mg/kg	3.3	--	--	--	1.7	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	6.7	--	--	--	2 U	14.2	12.6	11.4	15.6	12.9	20.2	3.8	13.8	11.6	19.2	7.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.1	--	--	--	2.3	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.11 U	--	--	--	0.1 UJ	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	6.3	--	--	--	4.2	10.5	10.8	10.5	15.8	11.6	13.4	1.5	12.3	13	0.92	0.33
Selenium	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2.1 U	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	18	--	--	--	9.2	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	49	--	--	--	6.9	43.9	59.1	85.3	44	36.3	47.5	11.3	37.5	35	27.1	34.1
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	35 U	33 U	33 U	33 U	33 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	76	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	95	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	188	34 U	34 U	34 U	32 U	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.3 U	50 U	50 U	50 U	5	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.3 U	5 U	5 U	5 U	50 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	88	5.8 U	5.8 U	5.8 U	5.8	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	43	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	65	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	98	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	69	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	44	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	68	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	84	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	53	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.3 U	5 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	603	0	0	0	0	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	28	0	0	0	5	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	28	50 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	79	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	77	15	14	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	1.7 U	1.4 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	110	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	5.5 UJ	5.7 UJ	6.1 UJ	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	110 U	110 U	120 U	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-1	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	680 U	660 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2	2
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	223	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.9	8.71	9.06	9.08	9.1	9.9	9.1	9.2	8.8	9.2	8.8	9.7	9.5	9.1	9.7	9.1
Phosphate	mg/kg	--	--	--	--	64.2	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	585	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	4.8	0.51 U	0.51 U	2.7	0.7	0.5 U	12	1.8	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
Chromium, total	mg/kg	74.9	28.6	28.9	19.6	31.8	22.1	45.5	39.9	32	21.9	12.1	13.8	12.1	18.7	11.3	25
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	7.5	9.7	9.9	27.9	15.7	10.6	1.8	9.7	4.1	11.5	4.2	9.4	11	6.7	8	11.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	0.39	10.4	7.4	2.2	14	10.8	0.57	9.4	1.8	10.2	4.3	7.5	9.6	5.9	8.6	10.9
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	243	35.1	29.8	15.4	49.4	34.5	14.5	35.7	8.4	39.8	18	24.1	29.2	27	28.9	38.2
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	26300	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2	2
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	23100	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	8330	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2250	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	410 U	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2	2
SAMPLE TYPE																	
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2	2
SAMPLE TYPE																	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72	S4-160
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2	S4-160-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
	SAMPLE TOP DEPTH (FT)	0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	3	1	3	5	2	4	1	2	4	1	2	2
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2	2
	SAMPLE TYPE																
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05
	SAMPLE	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		4	6	2	3	3	0	2	5	9	0	2	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		4	6	2	3	3	0.5	3	6	10	1	3	1	3	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5	3	0.5
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	3010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.24	10.4	9.1	10.3	9.2	--	--	--	--	--	--	--	--	8.8	9	--
Phosphate	mg/kg	10.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	1630	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	2.1 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 UJ	2 U	--
Arsenic	mg/kg	--	--	--	--	--	3	5.2	4.1	2.9	3.2	5	4	2.6	3	2.9	4.5
Barium	mg/kg	--	--	--	--	--	78 J	210	100	100	100	590	91	52	90 J	83	130 J
Beryllium	mg/kg	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	15.4	1	0.5 U	0.5 U	0.5	0.24	0.22 U	0.22 U	0.21 U	0.66	11	0.28	0.2 U	0.2 U	0.2 U	--
Chromium, total	mg/kg	23.4	13.7	10.3	14.9	12.8	14	36	49	40	26	280	12	6.4	10	8	19 J
Cobalt	mg/kg	--	--	--	--	--	3.9	11	11	11	5.8	5.8	3.7	2.3	4	3.2	3.9
Copper	mg/kg	3.2	10.3	2.5	8.3	10.8	29	14	15	12	16	590	7.3	3.4	5.1	4.4	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	7.6	3.2	2.5	1.9	29	170	9.7	2.5	2.7	2.5	37 J
Mercury	mg/kg	--	--	--	--	--	0.1 U	0.11 U	0.11 U	0.11 U	0.17 J	3.2	0.099 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	9.1	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	0.43 J	9.8	4.3	8.8	9.4	7.8	30	37	34	12	17	8.6	4.7	8.3	5.9	9.5 J
Selenium	mg/kg	--	--	--	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	--	--	--	--	--	2.1 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	--
Vanadium	mg/kg	--	--	--	--	--	16	43	44	46	28	26	17	11	21	16	19
Zinc	mg/kg	1.9	32.6	4.3	27	40.9	190	41	43	40	48	300	31	13	22	19	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	5800	2600	--	--	6000 J
Calcium	mg/kg	379000	--	--	--	--	--	--	--	--	--	--	24000	17000	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05
	SAMPLE	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	4	6	2	3	3	0	2	5	9	0	2	0	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1	3	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5	3	0.5
	SAMPLE TYPE																Field Duplicate
ANALYTE	UNITS																
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.2 UJ	0.2 UJ	--	--	0.22 J
Iron	mg/kg	425	--	--	--	--	--	--	--	--	--	--	10000	5800	--	--	--
Magnesium	mg/kg	23000	--	--	--	--	--	--	--	--	--	--	5100	3300	--	--	5700
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	250	130	--	--	160
Potassium	mg/kg	89.6 J	--	--	--	--	--	--	--	--	--	--	1300	600	--	--	1800
Sodium	mg/kg	6590	--	--	--	--	--	--	--	--	--	--	400	200	--	--	620
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 UJ	17 U	17 U	17 U	--
Aroclor 1221	ug/kg	--	--	--	--	--	35 U	36 U	36 U	35 U	33 U	34 U	33 U	33 U	33 U	34 U	33 U
Aroclor 1232	ug/kg	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1242	ug/kg	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1248	ug/kg	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1254	ug/kg	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	67	17 U	17 U	17 U	17 U	--
Aroclor 1260	ug/kg	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	84	17 UJ	17 U	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	34 U	36 U	36 U	36 U	34 U	168	34 U	34 U	34 U	34 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U	5.1 U	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U	5.1 U	--
Acenaphthene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U	5.1 U	--
Acenaphthylene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U	5.1 U	--
Anthracene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	29	5 U	5 U	5 U	5.1 U	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	20	6.4 U	6.4 U	6.2 U	56 U	350	5.8 U	56 U	5.8 U	5.9 U	66
Benzo (a) anthracene	ug/kg	--	--	--	--	--	7	5.5 U	5.5 U	5.4 U	5 U	360	5 U	5 U	5 U	5.1 U	27
Benzo (a) pyrene	ug/kg	--	--	--	--	--	13	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U	5.1 U	49
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	26	5.5 U	5.5 U	5.4 U	50 U	510	5 U	50 U	5 U	5.1 U	94
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	10	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U	5.1 U	21
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	11	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U	5.1 U	32
Chrysene	ug/kg	--	--	--	--	--	12	5.5 U	5.5 U	5.4 U	5 U	390	5 U	5 U	5 U	5.1 U	60
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U	5.1 U	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05
	SAMPLE	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	4	6	2	3	3	0	2	5	9	0	2	0	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1	3	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5	3	0.5
	SAMPLE TYPE																Field Duplicate
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	--	--	--	--	12	5.5 U	5.5 U	5.4 U	5 U	500	5 U	5 U	5 U	5.1 U	83
Fluorene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U	5.1 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	8.1	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U	5.1 U	23
Naphthalene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U	5.1 U	--
PAH High molecular weight	ug/kg	--	--	--	--	--	112	0	0	0	0	2180	0	0	0	0	474
PAH Low molecular weight	ug/kg	--	--	--	--	--	0	0	0	0	0	289	0	0	0	0	26
Phenanthrene	ug/kg	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	260	5 U	5 U	5 U	5.1 U	26
Pyrene	ug/kg	--	--	--	--	--	13	5.5 U	5.5 U	5.4 U	5 U	420	5 U	5 U	5 U	5.1 U	85
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05
	SAMPLE	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	4	6	2	3	3	0	2	5	9	0	2	0	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1	3	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5	3	0.5
	SAMPLE TYPE																Field Duplicate
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	11 U	11 U	11 U	11 U	25	410	10 U	10 U	10 U	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	1.4 U	1.4 U	0.94 U	--	1.2 U	--	1.5 U	--	1.7 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	78	11 U	11 U	11 U	49	1500	22	10 U	10 U	10 U	16
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04	SD-04	SD-05
	SAMPLE	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01	SD-4-03	SD-5-01-FD
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	4	6	2	3	3	0	2	5	9	0	2	0	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1	3	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5	3	0.5
	SAMPLE TYPE																Field Duplicate
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A
	SAMPLE	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	0	2	5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	6	1	3	1	1	3	6	1	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3	0.5	3	0.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2700 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.9 UJ
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	42 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	55 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 UJ
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.9 UJ
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3 UJ
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7 UJ
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11 UJ
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4 UJ
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14 UJ
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18000 J
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1000 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U	2.1 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	--	3.8	3.3	3.6	3.1	--	8.9	3.2	4.3	4.6	5.3	3.3	2.4	2.9	2.7	3.7
Barium	mg/kg	--	110	82	97	77	--	92	91	260	240	260	83	82	99	62	88
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.21 U	0.2 U	0.2 U	0.21 U	0.26	2.7	--	0.21 U	0.21 U	0.21 U	0.2 U	1.4	0.2 U	1	0.51
Chromium, total	mg/kg	--	30	17	21	20	--	34	9.2 J	11	11	12	7.9	27	38	21	110
Cobalt	mg/kg	--	7.3	6.4	7.8	7.6	--	4	5.2	4.3	4.3	4.4	2.7	4.2	4.5	3.3	3.8
Copper	mg/kg	9.2	12	9.4	10	9.5	--	35	6	6.4	5.6	7.1	6.7	9	14	10	19
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	10	3.9	4.2	2.8	6.8 J	7.8	--	3.8	3.1	4.3	6.1	16	22	6.2	20
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.37	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	2.5	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	--	24	13	16	19	8.7 J	8.4	--	9.4	8.7	8.9	5.6	8.8	9.6	6	7.3
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	--	33	30	37	34	18	23	--	22	21	25	14	19	22	17	18
Zinc	mg/kg	46	41	39	40	40	37	97	--	25	21	24	36	180	1100	42	170
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	5900 J	5000	--	--	--	--	--	--	6800	4600	--
Calcium	mg/kg	18000	--	--	--	--	--	22000	20000	--	--	--	--	--	22000	21000	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A
	SAMPLE	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	0	2	5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	6	1	3	1	1	3	6	1	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3	0.5	3	0.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	--	--	0.2 UJ	0.2 UJ	--	--	--	--	--	0.2 U	0.21 U	--
Iron	mg/kg	9000 J	--	--	--	--	--	11000	8700	--	--	--	--	--	15000	8200	--
Magnesium	mg/kg	--	--	--	--	--	5300 J	5600	--	--	--	--	--	--	5700	4800	--
Manganese	mg/kg	--	--	--	--	--	170	150	--	--	--	--	--	--	170	130	--
Potassium	mg/kg	--	--	--	--	--	1700	1300	--	--	--	--	--	--	2100	1100	--
Sodium	mg/kg	--	--	--	--	--	--	270	170	--	--	--	--	--	220	480	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	70
Aroclor 1221	ug/kg	--	35 U	33 U	34 U	34 U	--	33 U	33 U	34 U	35 U	35 U	34 U	34 U	33 U	33 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	53	17 U	17 U	17 U	17 U	--	17 U	42	17 U	17 U	17 U	17 U	17 U	430	17 U	250
Aroclor 1260	ug/kg	40	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	180 J	17 U	1000
Aroclor 1262	ug/kg	17 U	--	--	--	--	--	17 U	17 U	--	--	--	--	--	17 U	17 U	--
Aroclor 1268	ug/kg	17 U	--	--	--	--	--	17 U	17 U	--	--	--	--	--	17 U	17 U	--
Total PCBs	ug/kg	110	34 U	34 U	34 U	34 U	--	34 U	67.5	34 U	34 U	34 U	34 U	34 U	627	34 U	1330
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	14	5 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	7.5	18 J	5 U	5.1 U	5 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U
Anthracene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	--	6.6	19	5.9 U	6 U	--	58	21	42	6.3	6.5	25	31	130	57 U	48
Benzo (a) anthracene	ug/kg	--	5.2 U	7.1	5.1 U	5.2 U	8.4	12	--	16	5.2 U	5.3 U	8.9	10	55	5.1 U	5 U
Benzo (a) pyrene	ug/kg	--	5.2 U	12	5.1 U	5.2 U	--	51 U	14	29	5.2 U	5.3 U	16	20	84	51 U	16 J
Benzo (b) fluoranthene	ug/kg	--	8.4	26	5.1 U	5.2 U	--	51 U	28	67	5.6	6	41	59	150	51 U	44 J
Benzo (ghi) perylene	ug/kg	--	5.2 U	6.7	5.1 U	5.2 U	9.7	51 U	--	14	5.2 U	5.3 U	14	14 J	50 U	51 U	50 U
Benzo (k) fluoranthene	ug/kg	--	5.2 U	8.7	5.1 U	5.2 U	--	51 U	8.7	23	5.2 U	5.3 U	11	17	54	51 U	20 J
Chrysene	ug/kg	--	5.2	16	5.1 U	5.2 U	--	21	14	36	5.2 U	5.3 U	17	20	100 J	5.1 U	71 J
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	51 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U	50 U	51 U	50 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A
	SAMPLE	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	0	2	5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	6	1	3	1	1	3	6	1	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3	0.5	3	0.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Fluoranthene	ug/kg	--	7	23	5.1 U	5.2 U	26	39	--	35	5.2 U	5.3 U	18	26	180	5.1 U	5 U
Fluorene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.2 U	6.7	5.1 U	5.2 U	9.4	51 U	--	14	5.2 U	5.3 U	13	14	50 U	51 U	50 U
Naphthalene	ug/kg	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U	5 U	5.1 U	5 U
PAH High molecular weight	ug/kg	--	28.3	128	0	0	138	111	--	269	5.6	6	157	205	793	0	151
PAH Low molecular weight	ug/kg	--	0	0	0	0	9.7	6.8	--	10	0	0	7.5	39.1	57	0	21
Phenanthrene	ug/kg	--	5.2 U	5 U	5.1 U	5.2 U	9.7	6.8	--	10	5.2 U	5.3 U	5.1 U	7.1	57	5.1 U	21 J
Pyrene	ug/kg	--	7.7	22	5.1 U	5.2 U	24	39	--	35	5.2 U	5.3 U	18	25	170	5.1 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A
	SAMPLE	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	0	2	5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	6	1	3	1	1	3	6	1	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3	0.5	3	0.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	11	--	10 U	10 U	13	30	11 U	10 U	26	54	590	840 J
TPH as gasoline	mg/kg	--	1.8 U	--	1.4 U	1.4 U	--	1.4 U	--	--	1.2 U	1.9 U	--	1.4 U	--	1.2 U	--
TPH as motor oil	mg/kg	--	10 U	10 U	10 U	22	--	18	10 U	19	72	13	26	25	180	1200	1400
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10	SD-11	SD-11	SD-11A
	SAMPLE	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03	SD-11-0	SD-11-3	SD-11-01
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	12/6/2015	12/6/2015	3/7/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	0	2	5	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	3	1	3	6	1	3	1	1	3	6	1	3	0.5	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3	0.5	3	0.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-27
	SAMPLE	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-27-02
	DATE	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	2/15/2017
SAMPLE TOP DEPTH (FT)		2	5	0	2	0	2	0	2	0	0	2	0	2	0	2	2
SAMPLE BOTTOM DEPTH (FT)		3	6	1	3	1	3	1	3	1	1	3	1	3	1	3	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	0.5	3	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	3300 J	1800 J	--	--	--	--	--	--	--	--	--	--	--	460 J	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	3.5 UJ	260 J	--	--	--	--	--	--	--	--	--	--	--	38 J	--	--
1,2,3,4,7,8-HxCDD	ng/kg	28 UJ	16 J	--	--	--	--	--	--	--	--	--	--	--	5.9 J	--	--
1,2,3,4,7,8-HxCDF	ng/kg	41 J	3.7 UJ	--	--	--	--	--	--	--	--	--	--	--	3.4 J	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	59 J	20 UJ	--	--	--	--	--	--	--	--	--	--	--	2.4 UJ	--	--
1,2,3,6,7,8-HxCDD	ng/kg	110 J	64 J	--	--	--	--	--	--	--	--	--	--	--	14 J	--	--
1,2,3,6,7,8-HxCDF	ng/kg	23 J	12 J	--	--	--	--	--	--	--	--	--	--	--	3.4 J	--	--
1,2,3,7,8-PeCDD	ng/kg	51 UJ	15 UJ	--	--	--	--	--	--	--	--	--	--	--	3 UJ	--	--
1,2,3,7,8-PeCDF	ng/kg	240 R	3.8 UJ	--	--	--	--	--	--	--	--	--	--	--	0.68 UJ	--	--
1,2,3,7,8,9-HxCDD	ng/kg	44 UJ	35 J	--	--	--	--	--	--	--	--	--	--	--	8.2 J	--	--
1,2,3,7,8,9-HxCDF	ng/kg	5.4 UJ	4.3 UJ	--	--	--	--	--	--	--	--	--	--	--	0.26 UJ	--	--
2,3,4,6,7,8-HxCDF	ng/kg	4.8 UJ	380 UJ	--	--	--	--	--	--	--	--	--	--	--	37 UJ	--	--
2,3,4,7,8-PeCDF	ng/kg	250 UJ	4 UJ	--	--	--	--	--	--	--	--	--	--	--	2.3 J	--	--
2,3,7,8-TCDD	ng/kg	4.1 UJ	1.6 UJ	--	--	--	--	--	--	--	--	--	--	--	0.16 UJ	--	--
2,3,7,8-TCDF	ng/kg	12 UJ	2.6 UJ	--	--	--	--	--	--	--	--	--	--	--	0.22 UJ	--	--
OCDD	ng/kg	33000 J	18000 J	--	--	--	--	--	--	--	--	--	--	--	4300 J	--	--
OCDF	ng/kg	1800 J	670 J	--	--	--	--	--	--	--	--	--	--	--	67 J	--	--
TEQ Avian	ng/kg	190 JH	44	--	--	--	--	--	--	--	--	--	--	--	9.1	--	--
TEQ Human	ng/kg	130 JH	67	--	--	--	--	--	--	--	--	--	--	--	14	--	--
TEQ Mammals	ng/kg	130 JH	67	--	--	--	--	--	--	--	--	--	--	--	14	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2 UJ	2 U	--	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U
Arsenic	mg/kg	2.9	2.6	2.8	2.5	3.2	2.4	3.4	3.8	--	3.2	5.4	3.3	3.2	2.4	2.2	2.4
Barium	mg/kg	90	71	79	92	100	70	--	75	74 J	71	79	100	110	65	51	56
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.2
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.63	0.79	0.2 U	0.51	0.92	0.34	--	0.2 U	0.61	0.2 U	0.81	0.21 U	0.21 U	0.27	0.22 U	0.21 U
Chromium, total	mg/kg	90	23	8.1	16	33	25	18 J	8.9	--	21	31	22	27	19	31	20
Cobalt	mg/kg	4.5	3.7	2.7	4.4	4.7	7.7	4.2	2.6	--	7	6.4	6.4	7.4	6.3	9.2	6.1
Copper	mg/kg	44	11	5.1	8.9	7.8	9.4	--	4.3	7.3	8.7	10	13	10	11	14	9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	36	11	7.2	4.1	3.6	3	5.3	2.7	--	2.4	4.5	10	4.7	5.6	3	1 U
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
Nickel	mg/kg	8.8	6.6	5.1	7.7	7.9	15	8.8	4.3	--	14	14	12	17	14	21	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 UJ
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 UJ
Thallium	mg/kg	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 UJ
Vanadium	mg/kg	21	18	15	19	19	33	21	13	--	32	34	30	32	26	38	23
Zinc	mg/kg	310	88	38	27	30	40	--	17	71 J	44	60	61	49	87	39	34
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	6600	11000	5500	3500	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	22000	20000	23000	28000	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-27
	SAMPLE	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-27-02
	DATE	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	2/15/2017
SAMPLE TOP DEPTH (FT)		2	5	0	2	0	2	0	2	0	0	2	0	2	0	2	2
SAMPLE BOTTOM DEPTH (FT)		3	6	1	3	1	3	1	3	1	1	3	1	3	1	3	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	0.5	3	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	--	0.21 UJ	0.21 UJ	--	0.21 UJ	0.2 UJ	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	13000	19000	--	6800	9600 J	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	5600	8000	5300	5500	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	200	200	160	130	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	1700	1900	1200	860	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	400	2400	260 J	270	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U
Aroclor 1221	ug/kg	35 U	34 U	33 U	34 U	33 U	35 U	33 U	33 U	--	33 U	34 U	34 U	34 U	35 U	36 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U
Aroclor 1254	ug/kg	240	110	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	36	17 U	250	18 U	17 U
Aroclor 1260	ug/kg	360	110	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U	17 U	18 U	18 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	17 U	18 U	17 U	17 U	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	17 U	18 U	17 U	17 U	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	617	237	32 U	34 U	34 U	36 U	34 U	34 U	--	34 U	34 U	61.5	34 U	277	36 U	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
Anthracene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
B(a)P Equivalent	ug/kg	66	60	56	5.9 U	130	6.4	95	5.9 U	--	12	77	100	6.5	180	9.7	6 U
Benzo (a) anthracene	ug/kg	20 J	5.2 U	12	5.1 U	39	5.3 U	42 J	5.1 U	--	5.1 U	19 J	35 J	5.2 U	150 J	5.4 U	5.2 U
Benzo (a) pyrene	ug/kg	52 U	52 U	50 U	5.1 U	74	5.3 U	51	5.1 U	--	7.7	39 J	73 J	5.2 U	130 J	5.4	5.2 U
Benzo (b) fluoranthene	ug/kg	90 J	48 J	50 U	5.1 U	160	5.7	--	5.1 U	67	16	85 J	190 J	7.6	260	10	5.2 U
Benzo (ghi) perylene	ug/kg	9.1 J	52 U	50 U	5.1 U	120	5.3 U	--	5.1 U	50 U	5.4	13 J	22 J	5.2 U	32 J	5.4 U	5.2 U
Benzo (k) fluoranthene	ug/kg	43 J	25 J	50 U	5.1 U	51	5.3 U	--	5.1 U	50 U	6.1	38 J	63 J	5.2 U	110 J	5.4 U	5.2 U
Chrysene	ug/kg	51 J	5.2 U	20	5.1 U	65	5.3 U	58 J	5.1 U	--	10	38 J	87 J	5.5	150 J	7.6	5.2 U
Dibenzo (a,h) anthracene	ug/kg	52 U	52 U	50 U	5.1 U	51 U	5.3 U	--	5.1 U	50 U	5.1 U	52 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-27
	SAMPLE	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-27-02
	DATE	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	2/15/2017
	SAMPLE TOP DEPTH (FT)	2	5	0	2	0	2	0	2	0	0	2	0	2	0	2	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	1	3	1	3	1	3	1	1	3	1	3	1	3	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	0.5	3	3
	SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS																
Fluoranthene	ug/kg	72 J	49 J	30	5.1 U	89	5.3 U	88	5.1 U	--	12	45 J	120 J	6.2	220 J	10	5.2 U
Fluorene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	52 U	52 U	50 U	5.1 U	95	5.3 U	--	5.1 U	50 U	5.1 U	10 J	21 J	5.2 U	28 J	5.4 U	5.2 U
Naphthalene	ug/kg	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U	5.2 U	5.3 U	5.4 U	5.2 U
PAH High molecular weight	ug/kg	285	122	87	0	781	5.7	445	0	--	68.2	330	711	25.9	1270	42.7	0
PAH Low molecular weight	ug/kg	27	20	20	0	11	0	27	0	--	0	13	36	0	30	0	0
Phenanthrene	ug/kg	27 J	20 J	20	5.1 U	11	5.3 U	--	5.1 U	7.7	5.1 U	13 J	36 J	5.2 U	30 J	5.4 U	5.2 U
Pyrene	ug/kg	5.2 U	5.2 U	25	5.1 U	88	5.3 U	96	5.1 U	--	11	43 J	100 J	6.6	190 J	9.7	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-27
	SAMPLE	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-27-02
	DATE	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	2/15/2017
SAMPLE TOP DEPTH (FT)		2	5	0	2	0	2	0	2	0	0	2	0	2	0	2	2
SAMPLE BOTTOM DEPTH (FT)		3	6	1	3	1	3	1	3	1	1	3	1	3	1	3	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	0.5	3	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	940	240	10 U	26	10 U	11 U	--	10 U	23	10 U	10 U	10 U	10 U	47	11 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.6 U	--	1.2 U	--	1.5 U	--	1.6 U	--	--	1.3 U	--	1.3 U	--	1.5 U	1.1 U
TPH as motor oil	mg/kg	1500	440	29	56	11	11 U	39 J	10 U	--	10 U	39	79	12	140	11 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22	SD-22	SD-23	SD-23	SD-27
	SAMPLE	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01	SD-22-03	SD-23-01	SD-23-03	SD-27-02
	DATE	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016	3/9/2016	3/9/2016	3/9/2016	2/15/2017
SAMPLE TOP DEPTH (FT)		2	5	0	2	0	2	0	2	0	0	2	0	2	0	2	2
SAMPLE BOTTOM DEPTH (FT)		3	6	1	3	1	3	1	3	1	1	3	1	3	1	3	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5	3	0.5	3	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4
	SAMPLE	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014
	DATE	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0	3	5	0	0.5	2.5	5.5	0	0.5	2	0	0.5	2	5	0.5	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
SAMPLE TYPE																Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U
Arsenic	mg/kg	3.5	3.1	2.9	14	24	16	12	8	15	11	9.8	10	12	14	--	9.1
Barium	mg/kg	120	93	110	290	280	300	150	220	520	310	250	220	180	890	--	230
Beryllium	mg/kg	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41	0.24	0.2 U	0.42 U	0.42 U	0.4 U	0.4 U	0.4 U	0.42 U	0.41 U	0.4 U	--	0.41 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	35	16	14	25	28	25	17	17	33	34	21	26	25	32	--	22
Cobalt	mg/kg	5.2	3.2	4.1	7.7	9.1	8.8	6.7	7	10	11	7.9	10	9.9	10	--	8.4
Copper	mg/kg	21	9.4	7.4	13	14	13	10	11	15	11	11	13	13	9.4	--	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	36	5.4	3.3	7.9	5.8	5.6	3.2	6.6	4.3	3.4	5.3	6.3	4	3.6	--	4.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	2.7	1 U	1 U	2 U	2 U	1.1	1 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U
Nickel	mg/kg	12	7	11	16	19	18	13	13	22	23	16	19	20	22	--	17
Selenium	mg/kg	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U
Thallium	mg/kg	2 UJ	2 UJ	2 UJ	2 U	4 U	4 U	2 U	2 U	4 U	4 U	4 U	4 U	4.1 U	4.1 U	--	4 U
Vanadium	mg/kg	20	13	16	28	31	29	22	27	35	36	33	37	34	37	--	33
Zinc	mg/kg	92	24	20	54	61	59	48	46	62	63	52	60	65	58	--	53
Metals CLP																	
Aluminum	mg/kg	--	--	--	11000	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	21000	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4
	SAMPLE	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014
	DATE	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0	3	5	0	0.5	2.5	5.5	0	0.5	2	0	0.5	2	5	0.5	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
SAMPLE TYPE																Field Duplicate	
ANALYTE	**UNITS**																
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	20000	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	7400	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	670	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2900	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	230	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1221	ug/kg	33 U	34 U	34 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	--	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1254	ug/kg	1600	110	26	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1260	ug/kg	310	38	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1262	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Aroclor 1268	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U
Total PCBs	ug/kg	1930	165	51.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	--	0 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Acenaphthylene	ug/kg	6.1	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Anthracene	ug/kg	18	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
B(a)P Equivalent	ug/kg	760	21	25	5.8 U	5.9 U	5.8	6.1	5.8 U	5.9 U	5.9 U	5.8 U	5.9 U	5.9 U	5.9 U	--	5.8 U
Benzo (a) anthracene	ug/kg	370	8.2	14	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (a) pyrene	ug/kg	600 J	14	17	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (b) fluoranthene	ug/kg	1000 J	27	28	5 U	5.1 U	5 U	5.3	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (ghi) perylene	ug/kg	120 J	10	14	5 U	5.1 U	5 U	6.2	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (k) fluoranthene	ug/kg	410 J	7.8	8.9	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Chrysene	ug/kg	690	18	21	5 U	5.1 U	6.5	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4
	SAMPLE	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014
	DATE	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0	3	5	0	0.5	2.5	5.5	0	0.5	2	0	0.5	2	5	0.5	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
SAMPLE TYPE																Field Duplicate	
ANALYTE	UNITS																
Fluoranthene	ug/kg	1200	24	32	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	140 J	9.5	12	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
PAH High molecular weight	ug/kg	5630	143	179	0	0	6.5	11.5	0	0	0	0	0	0	0	--	0
PAH Low molecular weight	ug/kg	384	6.8	9.2	0	0	11	0	0	0	0	0	0	0	0	--	0
Phenanthrene	ug/kg	360	6.8	9.2	5 U	5.1 U	11	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Pyrene	ug/kg	1100	24	32	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2-Chlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2-Methylphenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2-Nitrophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
3-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	660 U	670 U	660 U	660 U	660 U	670 U	670 U	660 U	670 U	670 U	670 U	--	660 U
4-Chloroaniline	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
4-Methylphenol	ug/kg	--	--	--	330 U	330 U	460	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
4-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
4-Nitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	660 U	670 U	660 U	660 U	660 U	670 U	670 U	660 U	670 U	670 U	670 U	--	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	330 U	330 U	1300	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Butylbenzylphthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Caprolactam	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Dibenzofuran	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Diethyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Dimethyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Hexachlorobenzene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Hexachloroethane	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Pentachlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
Phenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4
	SAMPLE	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014
	DATE	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0	3	5	0	0.5	2.5	5.5	0	0.5	2	0	0.5	2	5	0.5	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
SAMPLE TYPE																Field Duplicate	
ANALYTE	UNITS																
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	21	19	10 U	10 U	10 U	140	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	--	10 U
TPH as gasoline	mg/kg	2.2 U	1.2 U	1 U	--	--	1.4 U	1.1 U	--	--	1.4 U	--	--	1.6 U	1.6 U	--	--
TPH as motor oil	mg/kg	130	46	12	32	33.6	902	60	15.1 J	12.2 J	13 J	10 U	10 U	10 U	10 UJ	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U	330 U	6.8 U	5.9 U	--	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U	330 U	6.8 U	5.9 U	--	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U	330 U	6.8 U	5.9 U	--	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U	330 U	6.8 U	5.9 U	--	330 U
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	63 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Acetone	ug/kg	--	--	--	--	--	63 U	70 U	--	--	80 U	--	--	68 U	59 U	--	--
Acrolein	ug/kg	--	--	--	--	--	130 U	140 U	--	--	160 U	--	--	140 U	120 U	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	63 U	70 U	--	--	80 U	--	--	68 U	59 U	--	--
Benzene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Bromobenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Bromoform	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Bromomethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Chloro methane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Chloroethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Chloroform	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	6.3 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4
	SAMPLE	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014
	DATE	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0	3	5	0	0.5	2.5	5.5	0	0.5	2	0	0.5	2	5	0.5	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5	1	3	6	1	0.5
SAMPLE TYPE																Field Duplicate	
ANALYTE	UNITS																
Dibromochloromethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Dibromomethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Hexachlorobutadiene	ug/kg	--	--	--	330 U	330 U	6.3 U	7 U	330 U	330 U	8 U	330 U	330 U	6.8 U	5.9 U	--	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	6.3 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	63 U	70 U	--	--	80 U	--	--	68 U	59 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	63 U	70 U	--	--	80 U	--	--	68 U	59 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	6.3 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Nitrobenzene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Styrene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Toluene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Trichloroethene	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Xylene, o-	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--
Xylenes, total	ug/kg	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--	--	6.8 U	5.9 U	--	--

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Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	0.5	1	3
	SAMPLE TYPE					
ANALYTE	UNITS					
Anion						
Nitrate	mg/kg	--	--	--	--	--
Dioxins						
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--
General						
Chloride	mg/kg	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--
Solids	PERC	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--
Metals						
Antimony	mg/kg	2 U	2 U	2 UJ	2 U	2 U
Arsenic	mg/kg	11	11	8.4	10	9.4
Barium	mg/kg	190	220	290 J	390	360
Beryllium	mg/kg	1 U	2 U	1 U	2 U	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	20	28	22	33	35
Cobalt	mg/kg	7.4	11	7	11	11
Copper	mg/kg	11	15	11	11	12
CR6 SPLP	mg/L	--	--	--	--	--
Lead	mg/kg	3.4	3.4	13	3.9	3.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	2 U	1 U	2 U	2 U
Nickel	mg/kg	14	21	15	24	25
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	2 U	1 U	2 U	2 U
Thallium	mg/kg	2 U	4.1 U	2 U	4.1 U	4.1 U
Vanadium	mg/kg	27	38	27	36	37
Zinc	mg/kg	47	64	62	65	62
Metals CLP						
Aluminum	mg/kg	--	--	11000	--	--
Calcium	mg/kg	--	--	26000	--	--

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	0.5	1	3
SAMPLE TYPE						
ANALYTE	UNITS					
Cyanide	mg/kg	--	--	1 U	--	--
Iron	mg/kg	--	--	27000	--	--
Magnesium	mg/kg	--	--	8900	--	--
Manganese	mg/kg	--	--	840	--	--
Potassium	mg/kg	--	--	2400	--	--
Sodium	mg/kg	--	--	210	--	--
Pesticides						
4,4-DDD	ug/kg	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--
Aldrin	ug/kg	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--
Endrin	ug/kg	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--
Toxaphene	ug/kg	--	--	50 U	--	--
Polychlorinated Biphenyls						
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	33 U	33 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	17 U	17 U	17 U	17 U	17 U
Aroclor 1268	ug/kg	17 U	17 U	17 U	17 U	17 U
Total PCBs	ug/kg	0 U	0 U	0 U	0 U	0 U
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	5.8 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Chrysene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	0.5	1	3
SAMPLE TYPE						
ANALYTE	UNITS					
Fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Fluorene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds						
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	700 U	--	--
Atrazine	ug/kg	--	--	700 U	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	340 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	0.5	1	3
SAMPLE TYPE						
ANALYTE	UNITS					
Total Petroleum Hydrocarbons						
TPH as diesel	mg/kg	10 U	10 U	10.5	10 U	10 U
TPH as gasoline	mg/kg	--	0.75 U	--	--	1.7 U
TPH as motor oil	mg/kg	10 U	10 U	60 J	29.7 J	11.2 J
Volatile Organic Compounds						
1,1-Dichloroethane	ug/kg	--	8.5 U	--	--	7.7 U
1,1-Dichloroethene	ug/kg	--	8.5 U	--	--	7.7 U
1,1-Dichloropropene	ug/kg	--	8.5 U	--	--	7.7 U
1,1,1-Trichloroethane	ug/kg	--	8.5 U	--	--	7.7 U
1,1,1,2-Tetrachloroethane	ug/kg	--	8.5 U	--	--	7.7 U
1,1,2-Trichloroethane	ug/kg	--	8.5 U	--	--	7.7 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	8.5 U	--	--	7.7 U
1,1,2,2-Tetrachloroethane	ug/kg	--	8.5 U	--	--	7.7 U
1,2-Dibromo-3-chloropropane	ug/kg	--	8.5 U	--	--	7.7 U
1,2-Dibromoethane	ug/kg	--	8.5 U	--	--	7.7 U
1,2-Dichlorobenzene	ug/kg	330 U	8.5 U	330 U	330 U	7.7 U
1,2-Dichloroethane	ug/kg	--	8.5 U	--	--	7.7 U
1,2-Dichloropropane	ug/kg	--	8.5 U	--	--	7.7 U
1,2,3-Trichlorobenzene	ug/kg	--	8.5 U	--	--	7.7 U
1,2,3-Trichloropropane	ug/kg	--	8.5 U	--	--	7.7 U
1,2,4-Trichlorobenzene	ug/kg	330 U	8.5 U	330 U	330 U	7.7 U
1,2,4-Trimethylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
1,3-Dichlorobenzene	ug/kg	330 U	8.5 U	330 U	330 U	7.7 U
1,3-Dichloropropane	ug/kg	--	8.5 U	--	--	7.7 U
1,3,5-Trimethylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
1,4-Dichlorobenzene	ug/kg	330 U	8.5 U	330 U	330 U	7.7 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	--	8.5 U	--	--	7.7 U
2-Hexanone	ug/kg	--	--	--	--	77 U
2,2-Dichloropropane	ug/kg	--	8.5 U	--	--	7.7 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	--	8.5 U	--	--	7.7 U
Acetone	ug/kg	--	85 U	--	--	77 U
Acrolein	ug/kg	--	170 U	--	--	150 U
Acrylonitrile	ug/kg	--	85 U	--	--	77 U
Benzene	ug/kg	--	8.5 U	--	--	7.7 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	340 U
Bromobenzene	ug/kg	--	8.5 U	--	--	7.7 U
Bromochloromethane	ug/kg	--	8.5 U	--	--	7.7 U
Bromodichloromethane	ug/kg	--	8.5 U	--	--	7.7 U
Bromoform	ug/kg	--	8.5 U	--	--	7.7 U
Bromomethane	ug/kg	--	8.5 U	--	--	7.7 U
Carbon disulfide	ug/kg	--	8.5 U	--	--	7.7 U
Carbon tetrachloride	ug/kg	--	8.5 U	--	--	7.7 U
Chloro methane	ug/kg	--	8.5 U	--	--	7.7 U
Chlorobenzene	ug/kg	--	8.5 U	--	--	7.7 U
Chloroethane	ug/kg	--	8.5 U	--	--	7.7 U
Chloroform	ug/kg	--	8.5 U	--	--	7.7 U
cis-1,2-Dichloroethene	ug/kg	--	8.5 U	--	--	7.7 U
cis-1,3-Dichloropropene	ug/kg	--	8.5 U	--	--	7.7 U
Cyclohexane	ug/kg	--	--	--	--	7.7 U

Table OCSxBCW-A1
Dataset for OCS Excluding BCW HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	0.5	1	3
SAMPLE TYPE						
ANALYTE	UNITS					
Dibromochloromethane	ug/kg	--	8.5 U	--	--	7.7 U
Dibromomethane	ug/kg	--	8.5 U	--	--	7.7 U
Dichlorodifluoromethane	ug/kg	--	8.5 U	--	--	7.7 U
Ethyl- benzene	ug/kg	--	8.5 U	--	--	7.7 U
Hexachlorobutadiene	ug/kg	330 U	8.5 U	330 U	330 U	7.7 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
Methyl acetate	ug/kg	--	--	--	--	7.7 U
Methyl ethyl ketone	ug/kg	--	85 U	--	--	77 U
Methyl isobutyl ketone	ug/kg	--	85 U	--	--	77 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	8.5 U	--	--	7.7 U
Methylcyclohexane	ug/kg	--	--	--	--	7.7 U
Methylene chloride	ug/kg	--	8.5 U	--	--	7.7 U
N-Butylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
N-Propylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	--	8.5 U	--	--	7.7 U
sec-Butylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
Styrene	ug/kg	--	8.5 U	--	--	7.7 U
tert-Butylbenzene	ug/kg	--	8.5 U	--	--	7.7 U
Tetrachloroethene	ug/kg	--	8.5 U	--	--	7.7 U
Toluene	ug/kg	--	8.5 U	--	--	7.7 U
trans-1,2-Dichloroethene	ug/kg	--	8.5 U	--	--	7.7 U
trans-1,3-Dichloropropene	ug/kg	--	8.5 U	--	--	7.7 U
Trichloroethene	ug/kg	--	8.5 U	--	--	7.7 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	8.5 U	--	--	7.7 U
Vinyl chloride	ug/kg	--	8.5 U	--	--	7.7 U
Xylene, m,p-	ug/kg	--	8.5 U	--	--	7.7 U
Xylene, o-	ug/kg	--	8.5 U	--	--	7.7 U
Xylenes, total	ug/kg	--	8.5 U	--	--	7.7 U

Abbreviations:
-- = not applicable
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
J = estimated value
U = not detected at specified reporting limit
UJ = not detected at specified reporting limit; reporting limit
AOC = area of concern
BHC = benzene hexachloride
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
TPH = total petroleum hydrocarbon
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyls

OCSXBCW-A3 Appendix Figure List

Exposure Unit: OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW

Reference Figure: OCSXBCW-1.1

Figure Number	Exposure Scenario Depth	Analyte Group	Analyte
OCSXBCW-A3.1	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCSXBCW-A3.2	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCSXBCW-A3.3	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCSXBCW-A3.4	0 - 0.5 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCSXBCW-A3.5	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCSXBCW-A3.6	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCSXBCW-A3.7	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCSXBCW-A3.8	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCSXBCW-A3.9	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCSXBCW-A3.10	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCSXBCW-A3.11	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	COBALT
OCSXBCW-A3.12	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	COPPER
OCSXBCW-A3.13	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	LEAD
OCSXBCW-A3.14	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCSXBCW-A3.15	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCSXBCW-A3.16	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCSXBCW-A3.17	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCSXBCW-A3.18	0 - 0.5 FEET BELOW GROUND SURFACE	METAL	ZINC
OCSXBCW-A3.19	0 - 0.5 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCSXBCW-A3.20	0 - 0.5 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCSXBCW-A3.21	0 - 0.5 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCSXBCW-A3.22	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE
OCSXBCW-A3.23	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCSXBCW-A3.24	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCSXBCW-A3.25	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCSXBCW-A3.26	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCSXBCW-A3.27	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCSXBCW-A3.28	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCSXBCW-A3.29	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCSXBCW-A3.30	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCSXBCW-A3.31	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCSXBCW-A3.32	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCSXBCW-A3.33	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCSXBCW-A3.34	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCSXBCW-A3.35	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCSXBCW-A3.36	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCSXBCW-A3.37	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCSXBCW-A3.38	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCSXBCW-A3.39	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCSXBCW-A3.40	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCSXBCW-A3.41	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCSXBCW-A3.42	0 - 0.5 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCSXBCW-A3.43	0 - 0.5 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCSXBCW-A3.44	0 - 0.5 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCSXBCW-A3.45	0 - 0.5 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL
OCSXBCW-A3.46	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCSXBCW-A3.47	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCSXBCW-A3.48	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCSXBCW-A3.49	0 - 3 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCSXBCW-A3.50	0 - 3 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCSXBCW-A3.51	0 - 3 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCSXBCW-A3.52	0 - 3 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCSXBCW-A3.53	0 - 3 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCSXBCW-A3.54	0 - 3 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCSXBCW-A3.55	0 - 3 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCSXBCW-A3.56	0 - 3 FEET BELOW GROUND SURFACE	METAL	COBALT
OCSXBCW-A3.57	0 - 3 FEET BELOW GROUND SURFACE	METAL	COPPER
OCSXBCW-A3.58	0 - 3 FEET BELOW GROUND SURFACE	METAL	LEAD
OCSXBCW-A3.59	0 - 3 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCSXBCW-A3.60	0 - 3 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCSXBCW-A3.61	0 - 3 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCSXBCW-A3.62	0 - 3 FEET BELOW GROUND SURFACE	METAL	SELENIUM
OCSXBCW-A3.63	0 - 3 FEET BELOW GROUND SURFACE	METAL	THALLIUM
OCSXBCW-A3.64	0 - 3 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCSXBCW-A3.65	0 - 3 FEET BELOW GROUND SURFACE	METAL	ZINC
OCSXBCW-A3.66	0 - 3 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCSXBCW-A3.67	0 - 3 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCSXBCW-A3.68	0 - 3 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCSXBCW-A3.69	0 - 3 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE

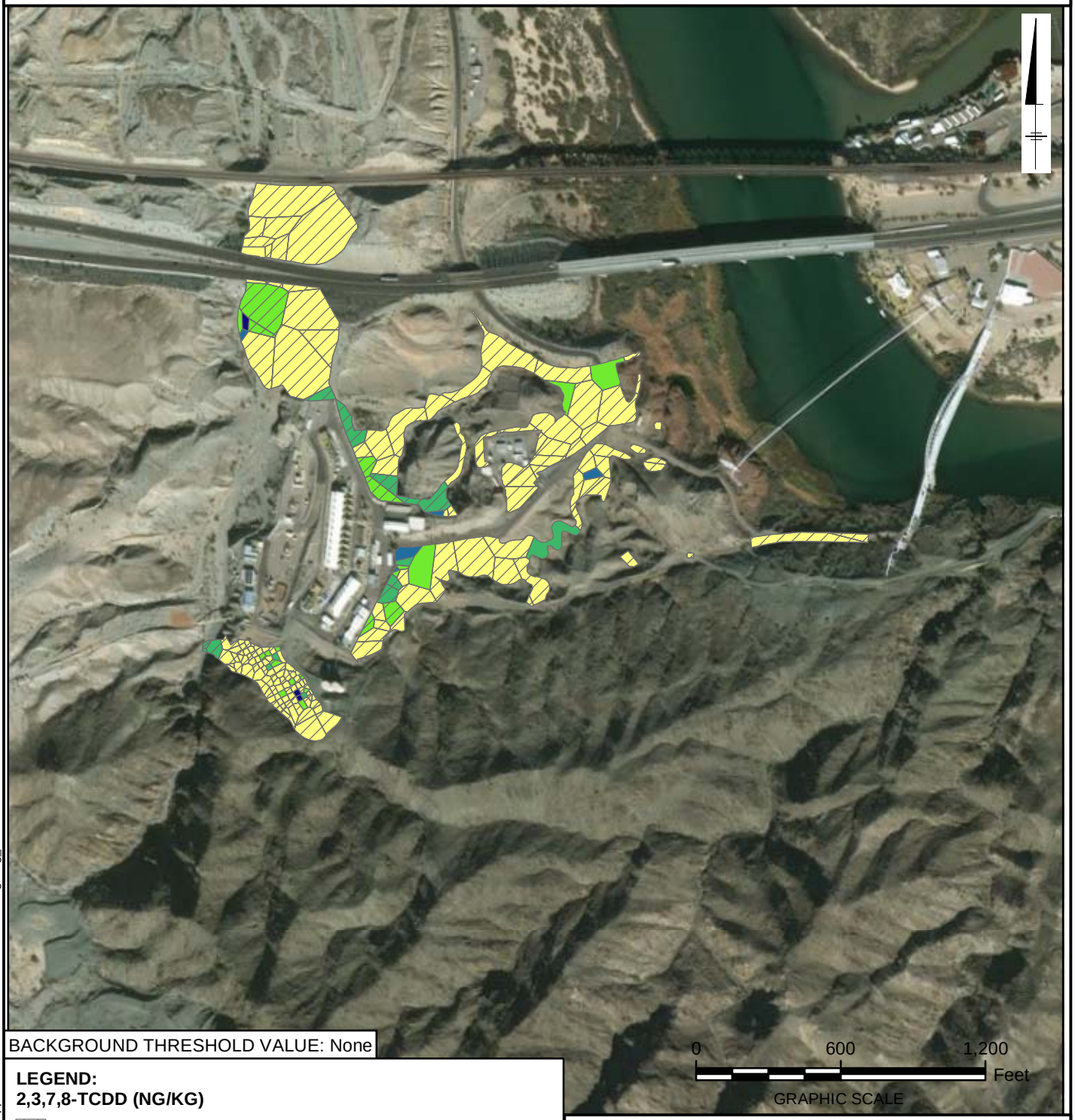
Exposure Unit: OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
Reference Figure: OCSXBCW-1.1

Figure Number	Exposure Scenario Depth	Analyte Group	Analyte
OCSXBCW-A3.70	0 - 3 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCSXBCW-A3.71	0 - 3 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCSXBCW-A3.72	0 - 3 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCSXBCW-A3.73	0 - 3 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCSXBCW-A3.74	0 - 3 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCSXBCW-A3.75	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCSXBCW-A3.76	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCSXBCW-A3.77	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCSXBCW-A3.78	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCSXBCW-A3.79	0 - 3 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCSXBCW-A3.80	0 - 3 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCSXBCW-A3.81	0 - 3 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCSXBCW-A3.82	0 - 3 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCSXBCW-A3.83	0 - 3 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCSXBCW-A3.84	0 - 3 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCSXBCW-A3.85	0 - 3 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCSXBCW-A3.86	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCSXBCW-A3.87	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCSXBCW-A3.88	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCSXBCW-A3.89	0 - 3 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCSXBCW-A3.90	0 - 3 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCSXBCW-A3.91	0 - 3 FEET BELOW GROUND SURFACE	PEST	4,4-DDE
OCSXBCW-A3.92	0 - 3 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCSXBCW-A3.93	0 - 3 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL
OCSXBCW-A3.94	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCSXBCW-A3.95	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCSXBCW-A3.96	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCSXBCW-A3.97	0 - 6 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCSXBCW-A3.98	0 - 6 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCSXBCW-A3.99	0 - 6 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCSXBCW-A3.100	0 - 6 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCSXBCW-A3.101	0 - 6 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCSXBCW-A3.102	0 - 6 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCSXBCW-A3.103	0 - 6 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCSXBCW-A3.104	0 - 6 FEET BELOW GROUND SURFACE	METAL	COBALT
OCSXBCW-A3.105	0 - 6 FEET BELOW GROUND SURFACE	METAL	COPPER
OCSXBCW-A3.106	0 - 6 FEET BELOW GROUND SURFACE	METAL	LEAD
OCSXBCW-A3.107	0 - 6 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCSXBCW-A3.108	0 - 6 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCSXBCW-A3.109	0 - 6 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCSXBCW-A3.110	0 - 6 FEET BELOW GROUND SURFACE	METAL	SELENIUM
OCSXBCW-A3.111	0 - 6 FEET BELOW GROUND SURFACE	METAL	THALLIUM
OCSXBCW-A3.112	0 - 6 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCSXBCW-A3.113	0 - 6 FEET BELOW GROUND SURFACE	METAL	ZINC
OCSXBCW-A3.114	0 - 6 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCSXBCW-A3.115	0 - 6 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCSXBCW-A3.116	0 - 6 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCSXBCW-A3.117	0 - 6 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE
OCSXBCW-A3.118	0 - 6 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCSXBCW-A3.119	0 - 6 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCSXBCW-A3.120	0 - 6 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCSXBCW-A3.121	0 - 6 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCSXBCW-A3.122	0 - 6 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCSXBCW-A3.123	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCSXBCW-A3.124	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCSXBCW-A3.125	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCSXBCW-A3.126	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCSXBCW-A3.127	0 - 6 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCSXBCW-A3.128	0 - 6 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCSXBCW-A3.129	0 - 6 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCSXBCW-A3.130	0 - 6 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCSXBCW-A3.131	0 - 6 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCSXBCW-A3.132	0 - 6 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCSXBCW-A3.133	0 - 6 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCSXBCW-A3.134	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCSXBCW-A3.135	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCSXBCW-A3.136	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCSXBCW-A3.137	0 - 6 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCSXBCW-A3.138	0 - 6 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCSXBCW-A3.139	0 - 6 FEET BELOW GROUND SURFACE	PEST	4,4-DDE
OCSXBCW-A3.140	0 - 6 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL

Exposure Unit: OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
Reference Figure: OCSXBCW-1.1

Figure Number	Exposure Scenario Depth	Analyte Group	Analyte
OCSXBCW-A3.141	0 - 6 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL
OCSXBCW-A3.142	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	2,3,7,8-TCDD
OCSXBCW-A3.143	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	TEQ AVIAN
OCSXBCW-A3.144	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	TEQ HUMAN
OCSXBCW-A3.145	0 - 10 FEET BELOW GROUND SURFACE	DIOXINS	TEQ MAMMALS
OCSXBCW-A3.146	0 - 10 FEET BELOW GROUND SURFACE	METAL	ANTIMONY
OCSXBCW-A3.147	0 - 10 FEET BELOW GROUND SURFACE	METAL	ARSENIC
OCSXBCW-A3.148	0 - 10 FEET BELOW GROUND SURFACE	METAL	BARIUM
OCSXBCW-A3.149	0 - 10 FEET BELOW GROUND SURFACE	METAL	CADMIUM
OCSXBCW-A3.150	0 - 10 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, HEXAVALENT
OCSXBCW-A3.151	0 - 10 FEET BELOW GROUND SURFACE	METAL	CHROMIUM, TOTAL
OCSXBCW-A3.152	0 - 10 FEET BELOW GROUND SURFACE	METAL	COBALT
OCSXBCW-A3.153	0 - 10 FEET BELOW GROUND SURFACE	METAL	COPPER
OCSXBCW-A3.154	0 - 10 FEET BELOW GROUND SURFACE	METAL	LEAD
OCSXBCW-A3.155	0 - 10 FEET BELOW GROUND SURFACE	METAL	MERCURY
OCSXBCW-A3.156	0 - 10 FEET BELOW GROUND SURFACE	METAL	MOLYBDENUM
OCSXBCW-A3.157	0 - 10 FEET BELOW GROUND SURFACE	METAL	NICKEL
OCSXBCW-A3.158	0 - 10 FEET BELOW GROUND SURFACE	METAL	SELENIUM
OCSXBCW-A3.159	0 - 10 FEET BELOW GROUND SURFACE	METAL	THALLIUM
OCSXBCW-A3.160	0 - 10 FEET BELOW GROUND SURFACE	METAL	VANADIUM
OCSXBCW-A3.161	0 - 10 FEET BELOW GROUND SURFACE	METAL	ZINC
OCSXBCW-A3.162	0 - 10 FEET BELOW GROUND SURFACE	METALSCLP	ALUMINUM
OCSXBCW-A3.163	0 - 10 FEET BELOW GROUND SURFACE	METALSCLP	IRON
OCSXBCW-A3.164	0 - 10 FEET BELOW GROUND SURFACE	METALSCLP	MANGANESE
OCSXBCW-A3.165	0 - 10 FEET BELOW GROUND SURFACE	PAHS	1-METHYL NAPHTHALENE
OCSXBCW-A3.166	0 - 10 FEET BELOW GROUND SURFACE	PAHS	2-METHYL NAPHTHALENE
OCSXBCW-A3.167	0 - 10 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHENE
OCSXBCW-A3.168	0 - 10 FEET BELOW GROUND SURFACE	PAHS	ACENAPHTHYLENE
OCSXBCW-A3.169	0 - 10 FEET BELOW GROUND SURFACE	PAHS	ANTHRACENE
OCSXBCW-A3.170	0 - 10 FEET BELOW GROUND SURFACE	PAHS	B(A)P EQUIVALENT
OCSXBCW-A3.171	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) ANTHRACENE
OCSXBCW-A3.172	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (A) PYRENE
OCSXBCW-A3.173	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (B) FLUORANTHENE
OCSXBCW-A3.174	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (GHI) PERYLENE
OCSXBCW-A3.175	0 - 10 FEET BELOW GROUND SURFACE	PAHS	BENZO (K) FLUORANTHENE
OCSXBCW-A3.176	0 - 10 FEET BELOW GROUND SURFACE	PAHS	CHRYSENE
OCSXBCW-A3.177	0 - 10 FEET BELOW GROUND SURFACE	PAHS	DIBENZO (A,H) ANTHRACENE
OCSXBCW-A3.178	0 - 10 FEET BELOW GROUND SURFACE	PAHS	FLUORANTHENE
OCSXBCW-A3.179	0 - 10 FEET BELOW GROUND SURFACE	PAHS	FLUORENE
OCSXBCW-A3.180	0 - 10 FEET BELOW GROUND SURFACE	PAHS	INDENO (1,2,3-CD) PYRENE
OCSXBCW-A3.181	0 - 10 FEET BELOW GROUND SURFACE	PAHS	NAPHTHALENE
OCSXBCW-A3.182	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PAH HIGH MOLECULAR WEIGHT
OCSXBCW-A3.183	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PAH LOW MOLECULAR WEIGHT
OCSXBCW-A3.184	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PHENANTHRENE
OCSXBCW-A3.185	0 - 10 FEET BELOW GROUND SURFACE	PAHS	PYRENE
OCSXBCW-A3.186	0 - 10 FEET BELOW GROUND SURFACE	PCBS	TOTAL PCBS
OCSXBCW-A3.187	0 - 10 FEET BELOW GROUND SURFACE	PEST	4,4-DDE
OCSXBCW-A3.188	0 - 10 FEET BELOW GROUND SURFACE	TPHS	TPH AS DIESEL
OCSXBCW-A3.189	0 - 10 FEET BELOW GROUND SURFACE	TPHS	TPH AS MOTOR OIL

OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.48
- ≥0.48 - 1.30
- ≥1.30 - 3.05
- ≥3.05 - 6.40
- ≥6.40 - 19.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

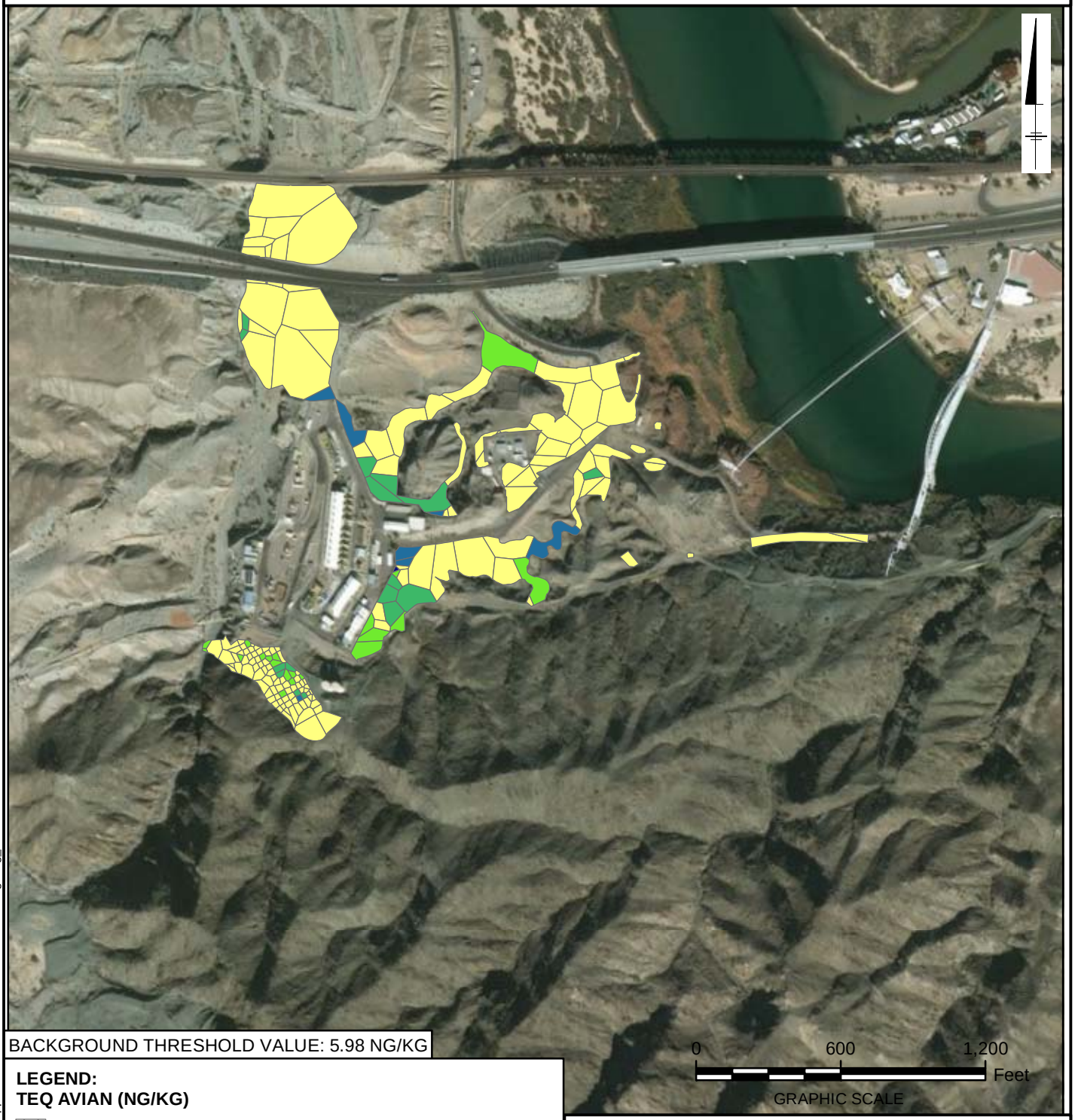
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.1

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 23.00
- ≥23.00 - 72.00
- ≥72.00 - 180.00
- ≥180.00 - 440.00
- ≥440.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

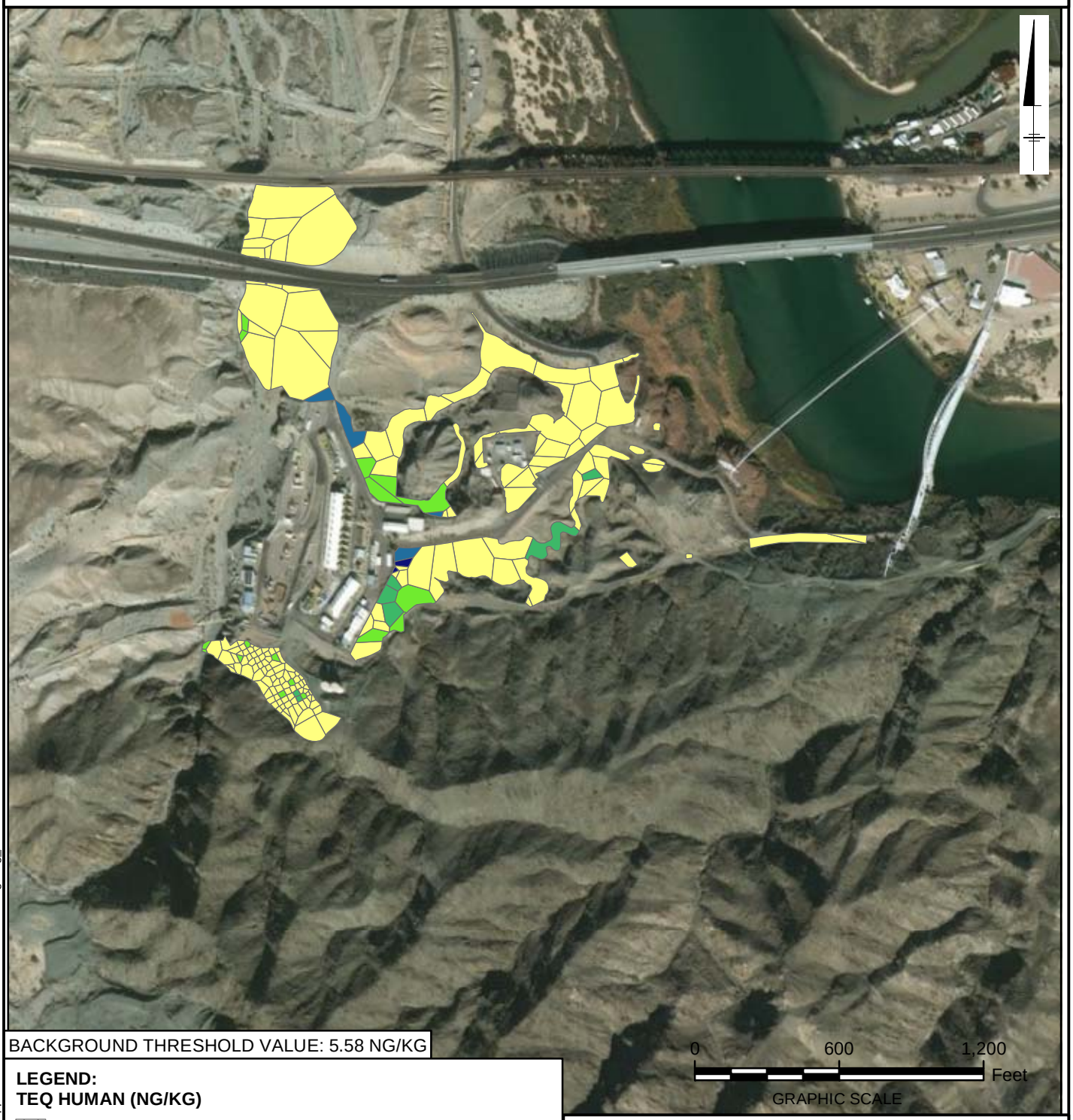
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.2

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 53.00
- ≥53.00 - 140.00
- ≥140.00 - 360.00
- ≥360.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

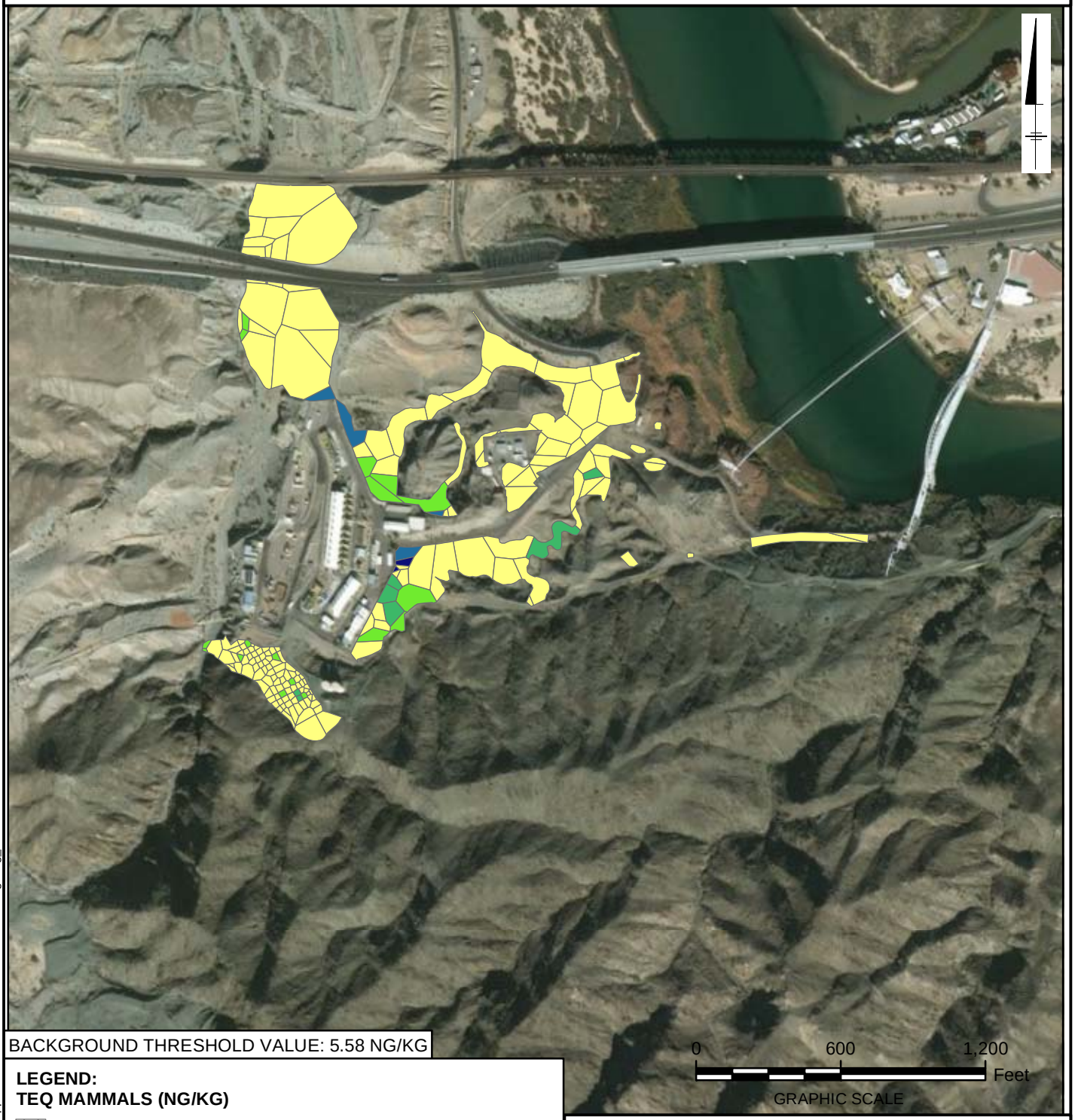
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.3

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 53.00
- ≥53.00 - 140.00
- ≥140.00 - 360.00
- ≥360.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

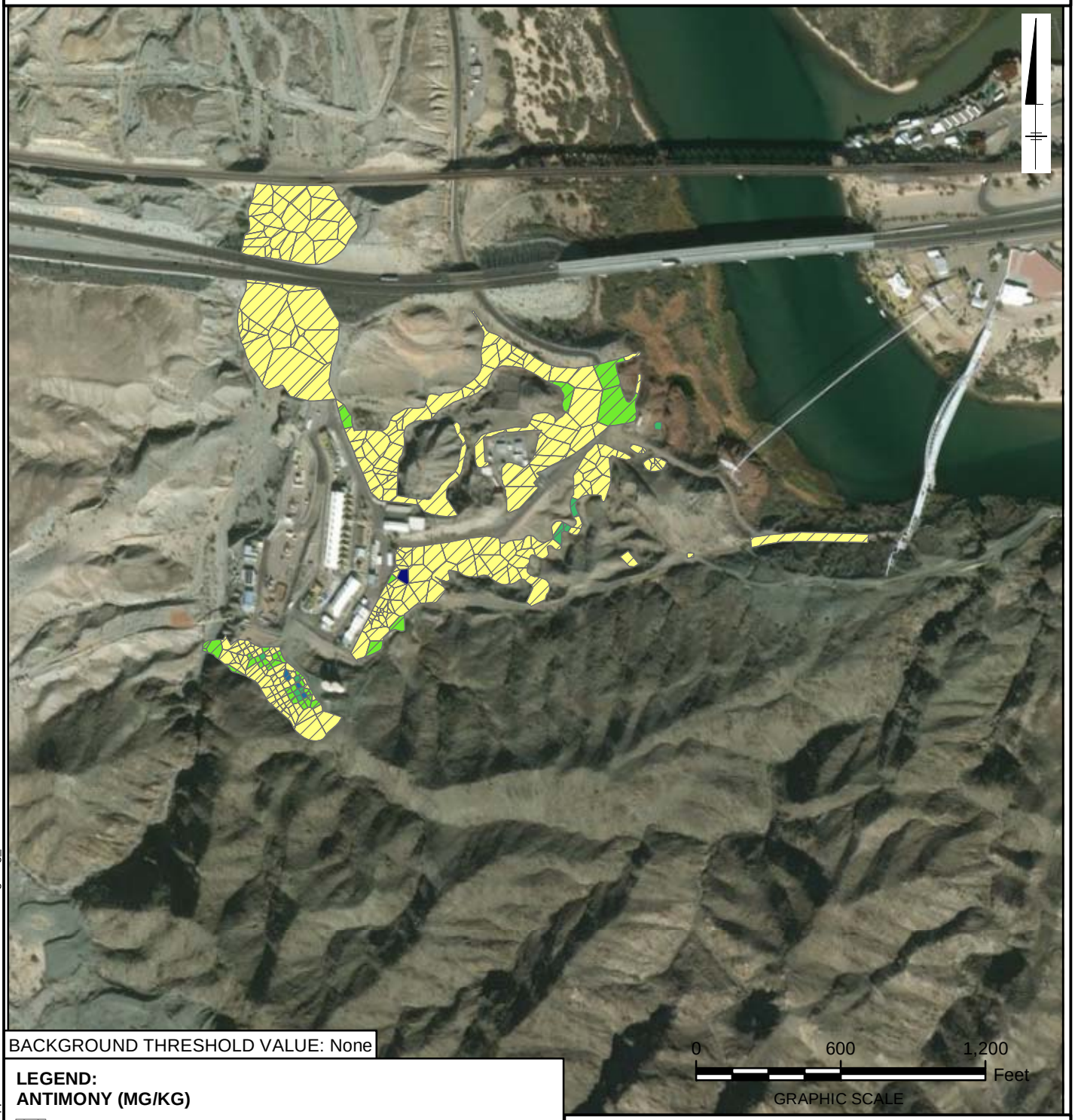
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.4

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 1.00 - 1.05
- ≥1.05 - 1.25
- ≥1.25 - 2.70
- ≥2.70 - 5.50
- ≥5.50 - 15.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

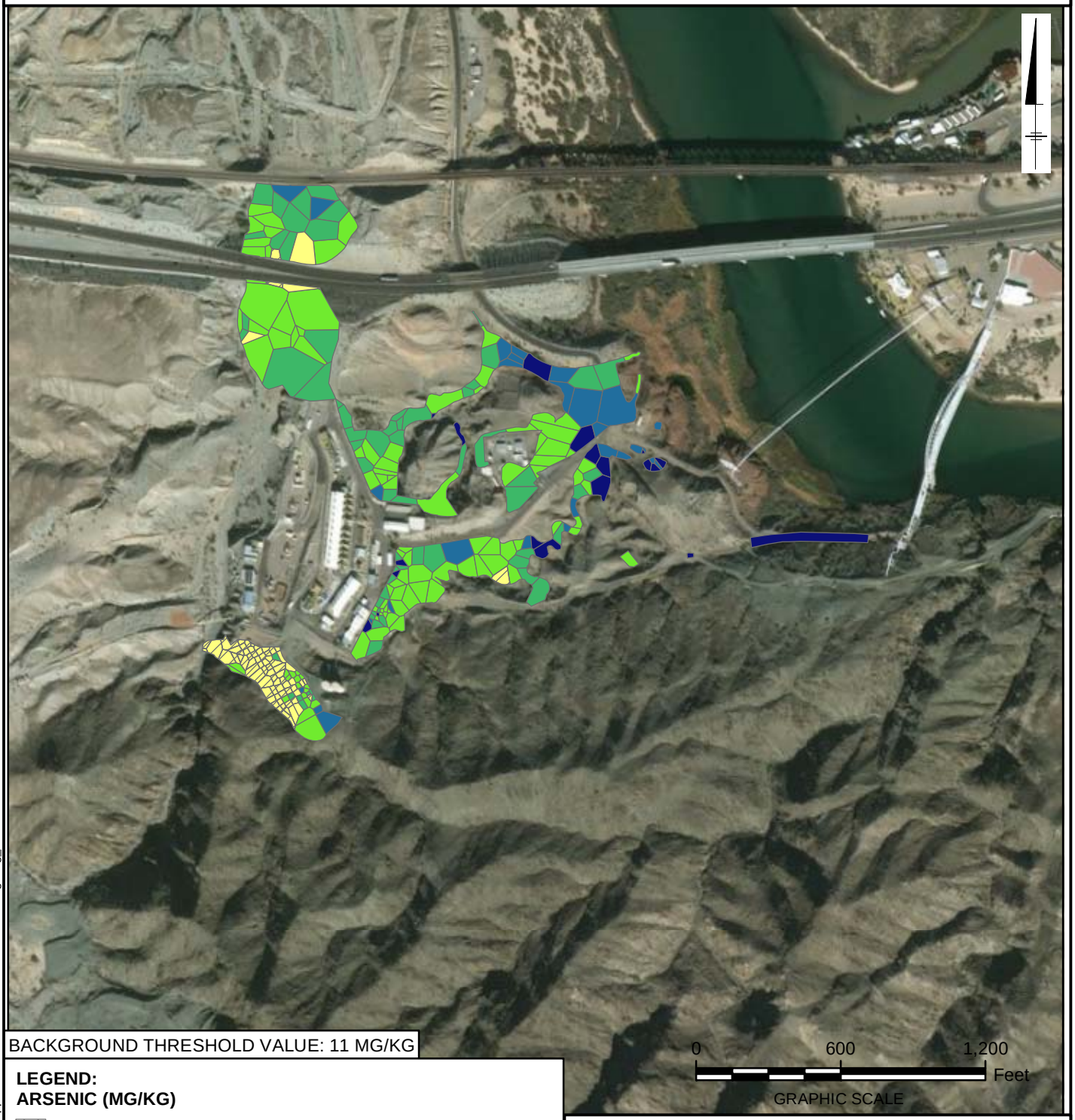
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.5

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.90
- ≥1.90 - 4.00
- ≥4.00 - 6.20
- ≥6.20 - 8.80
- ≥8.80 - 14.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

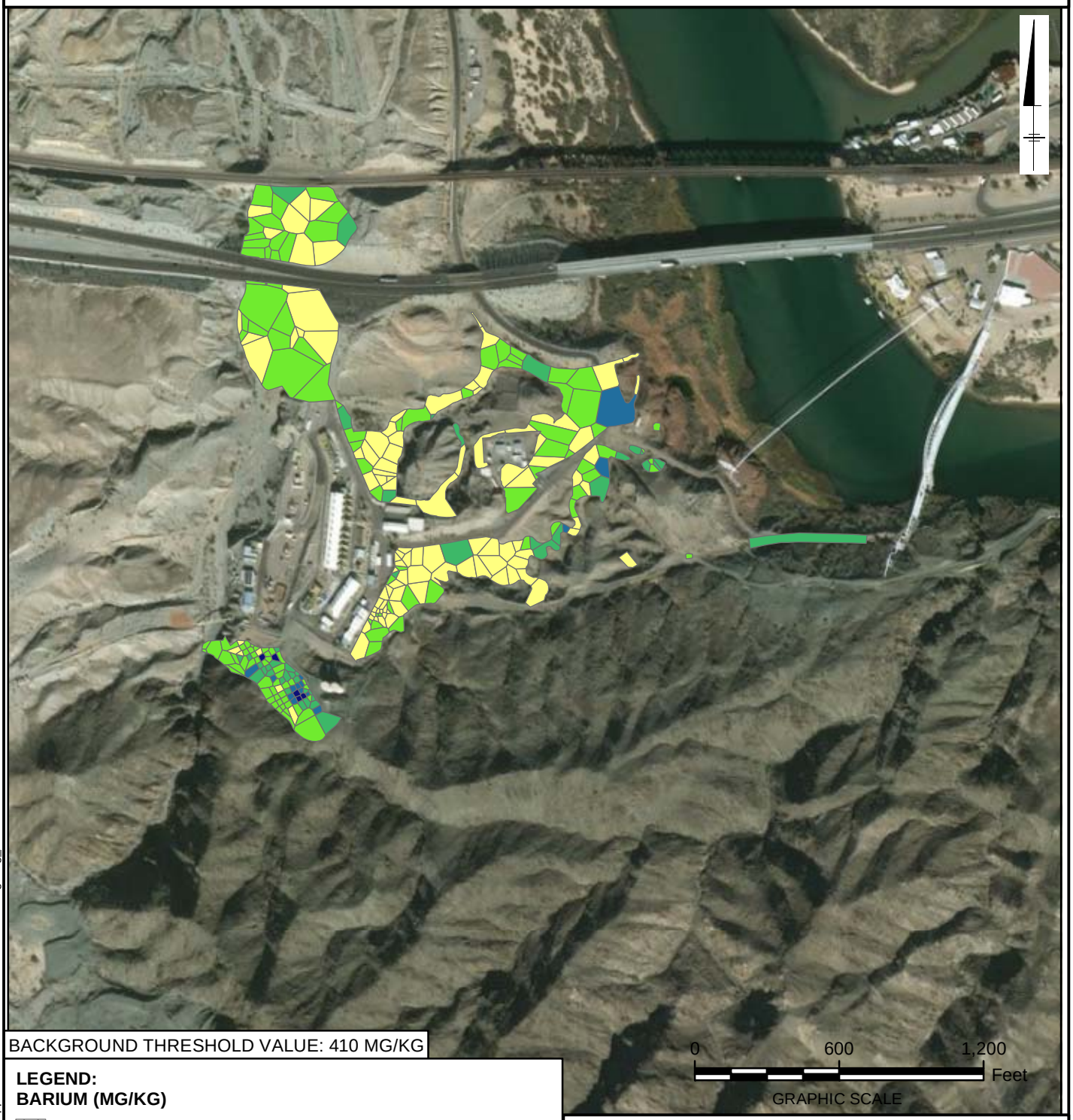
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.6

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 57.00 - 130.00
- ≥130.00 - 230.00
- ≥230.00 - 380.00
- ≥380.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

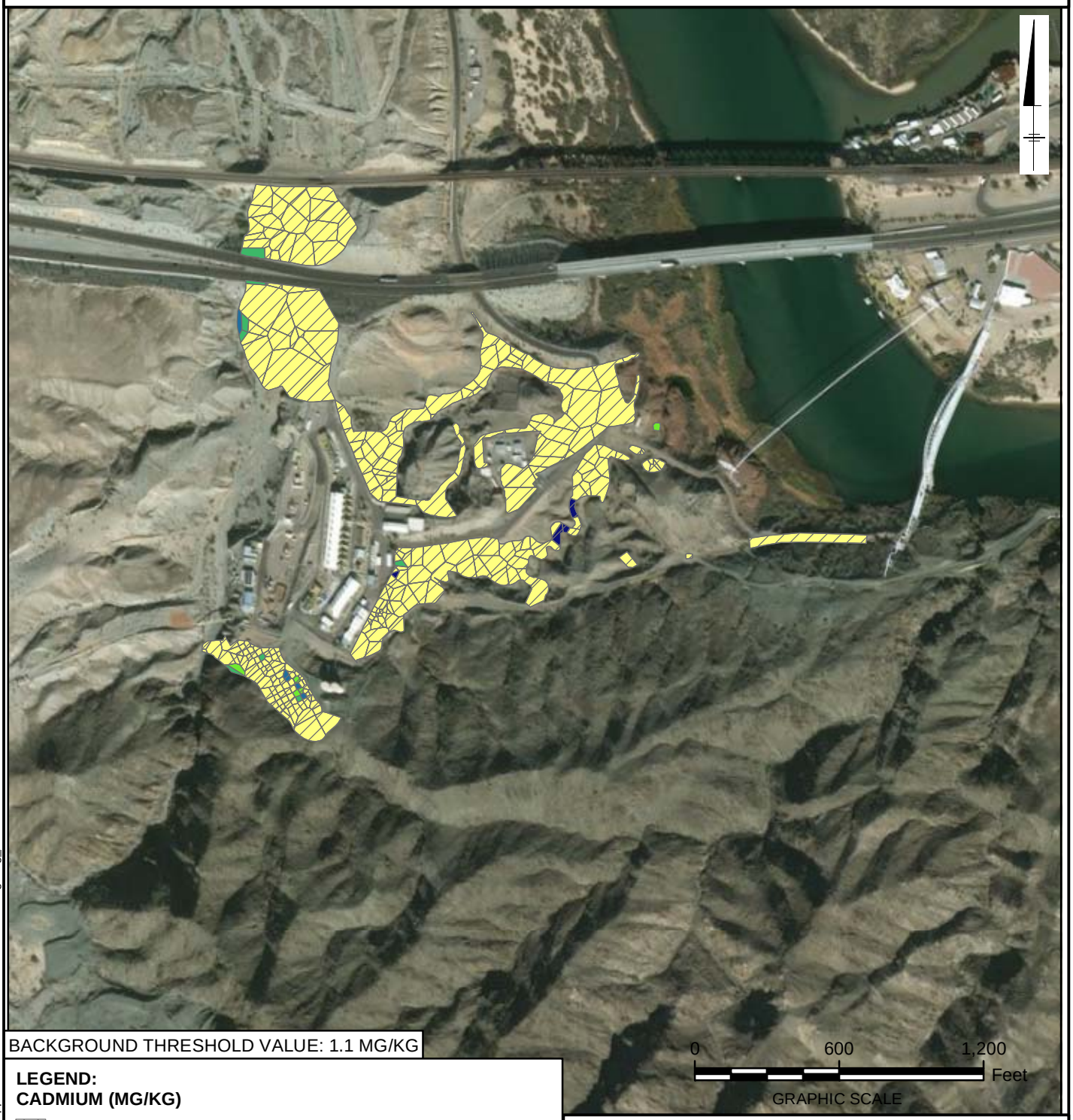
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.7

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.60
- ≥0.60 - 1.20
- ≥1.20 - 1.80
- ≥1.80 - 2.75
- ≥2.75 - 7.40

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

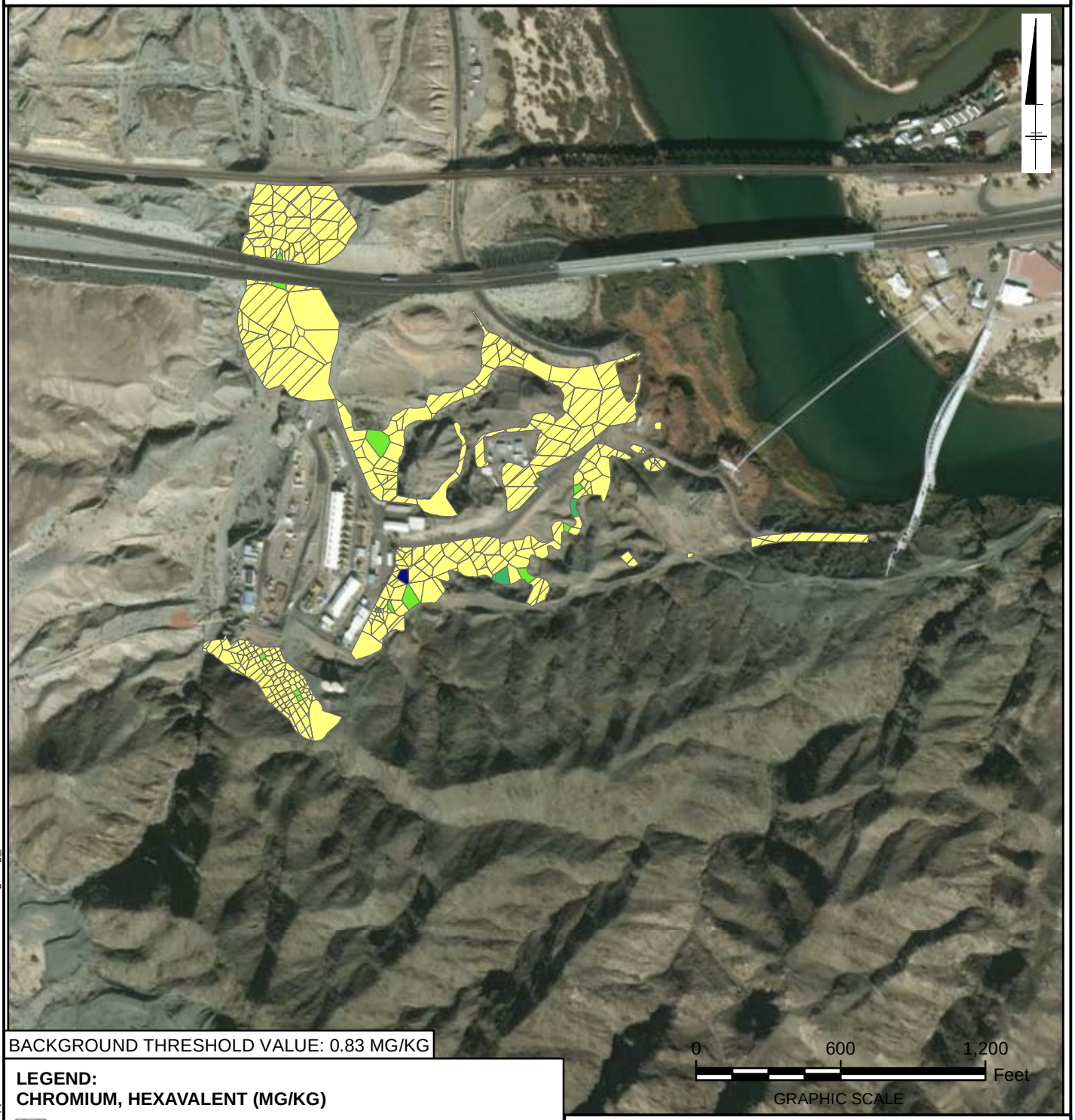
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.8

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.10 - 4.80
- ≥4.80 - 16.00
- ≥16.00 - 48.60
- ≥48.60 - 114.00
- ≥114.00 - 2700.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

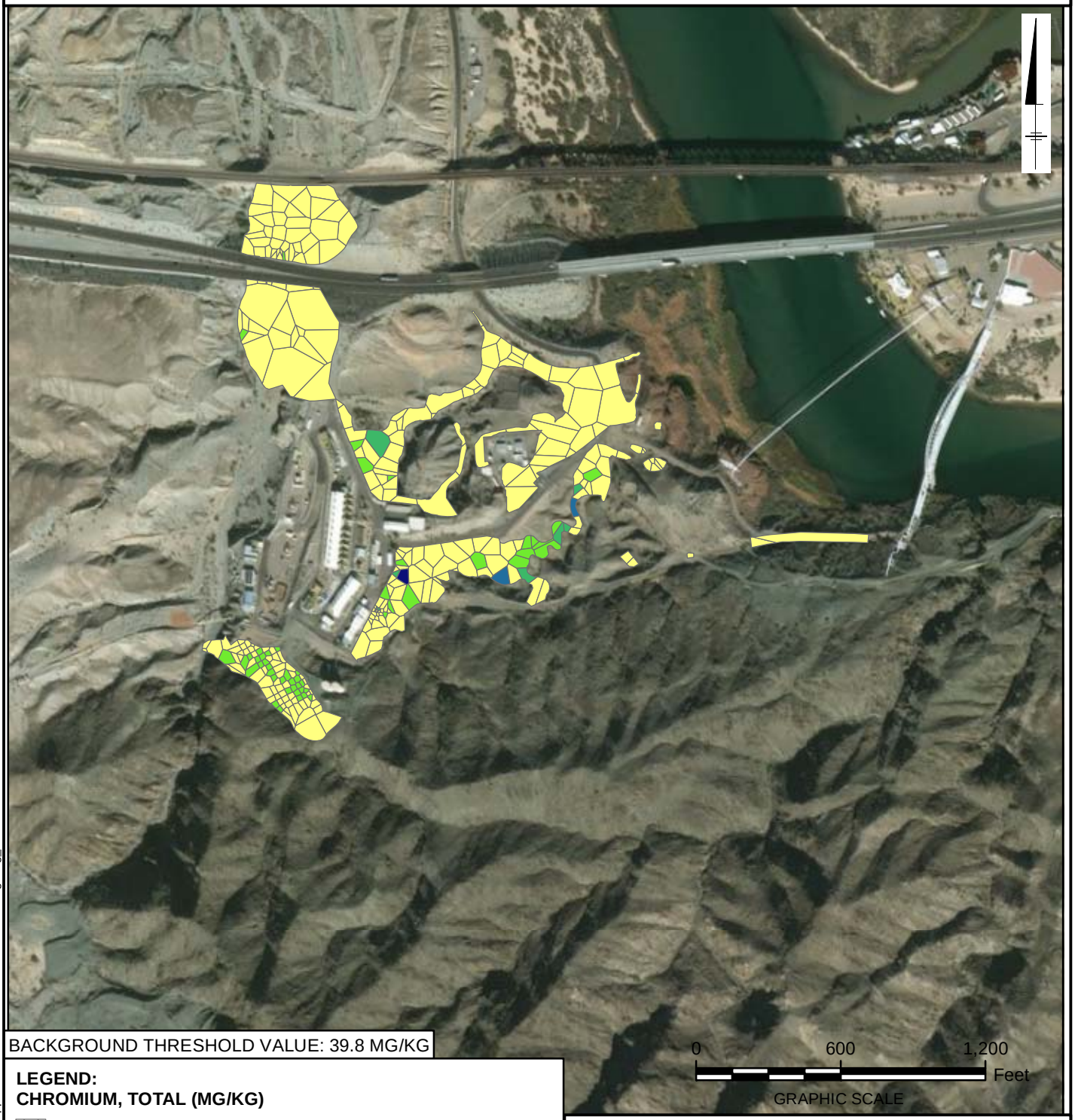
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.9

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 4.90 - 50.00
- ≥50.00 - 160.00
- ≥160.00 - 460.00
- ≥460.00 - 820.00
- ≥820.00 - 2800.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

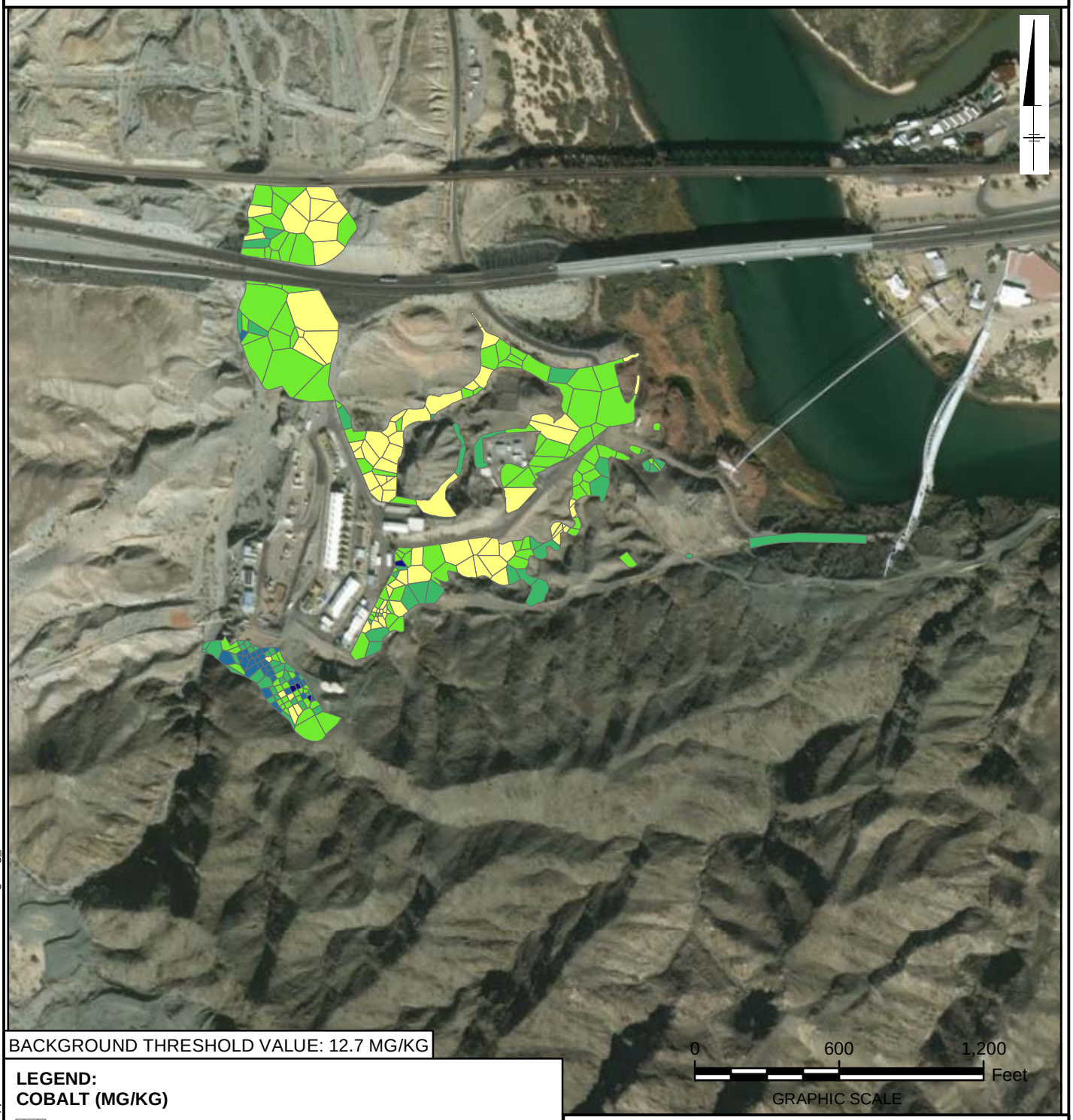
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.10

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 2.20 - 5.20
- ≥5.20 - 7.50
- ≥7.50 - 10.00
- ≥10.00 - 15.00
- ≥15.00 - 27.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

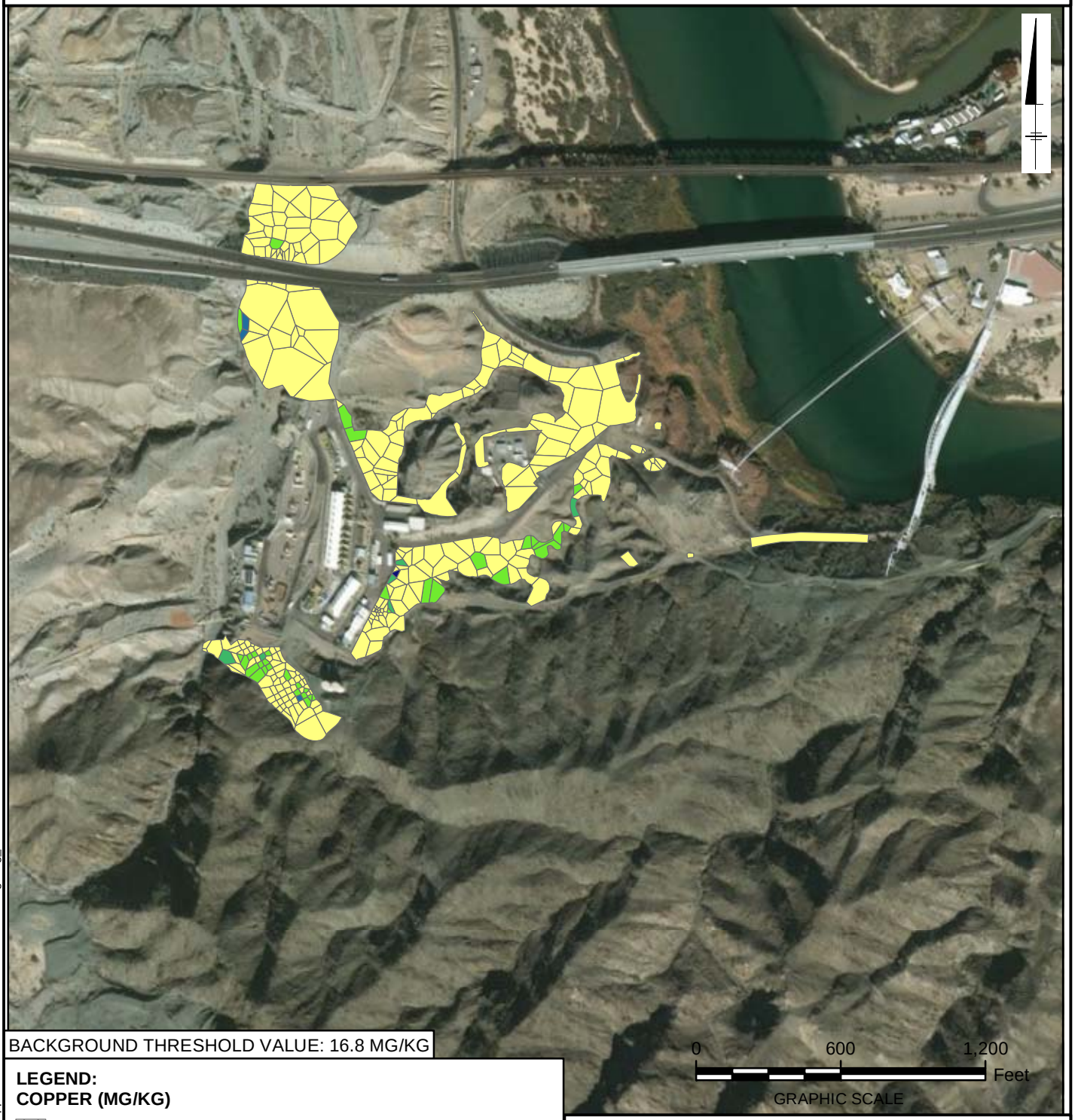
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.11

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 2.20 - 27.90
- ≥27.90 - 90.00
- ≥90.00 - 270.00
- ≥270.00 - 790.00
- ≥790.00 - 3100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

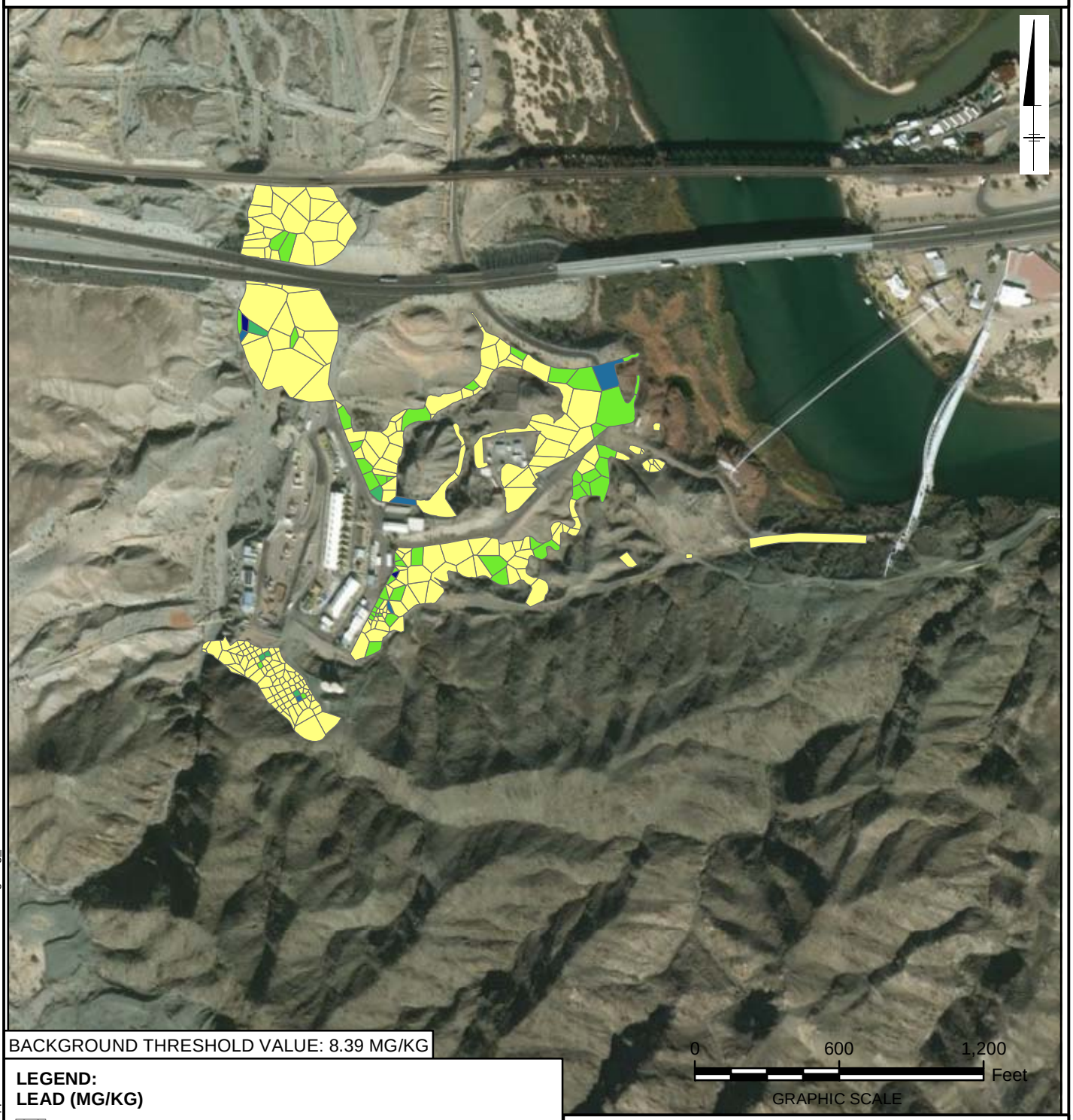
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.12

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 1.90 - 16.00
- ≥16.00 - 47.00
- ≥47.00 - 96.00
- ≥96.00 - 220.00
- ≥220.00 - 920.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

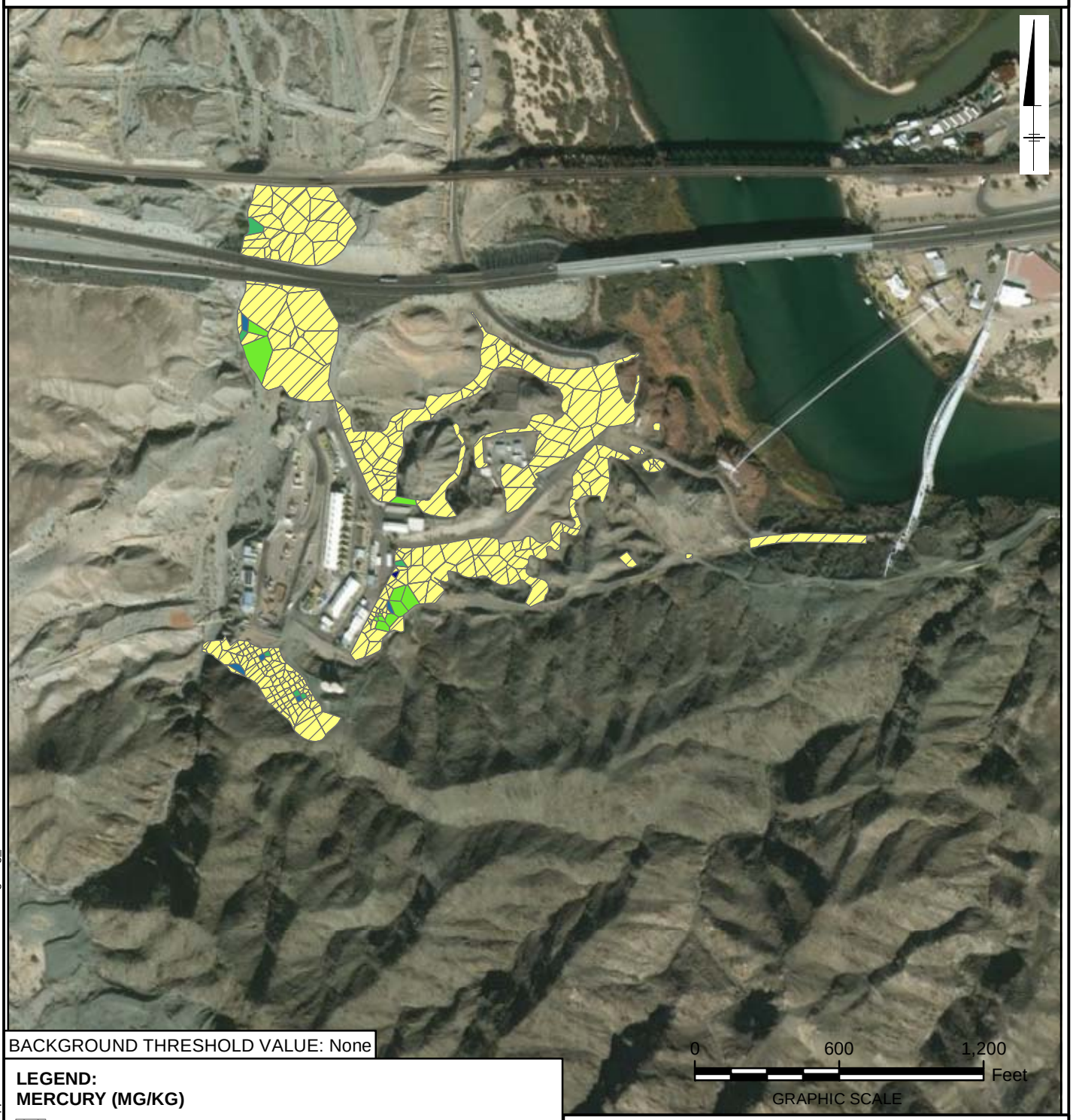
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.13

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.07
- ≥0.07 - 0.18
- ≥0.18 - 0.41
- ≥0.41 - 0.74
- ≥0.74 - 35.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

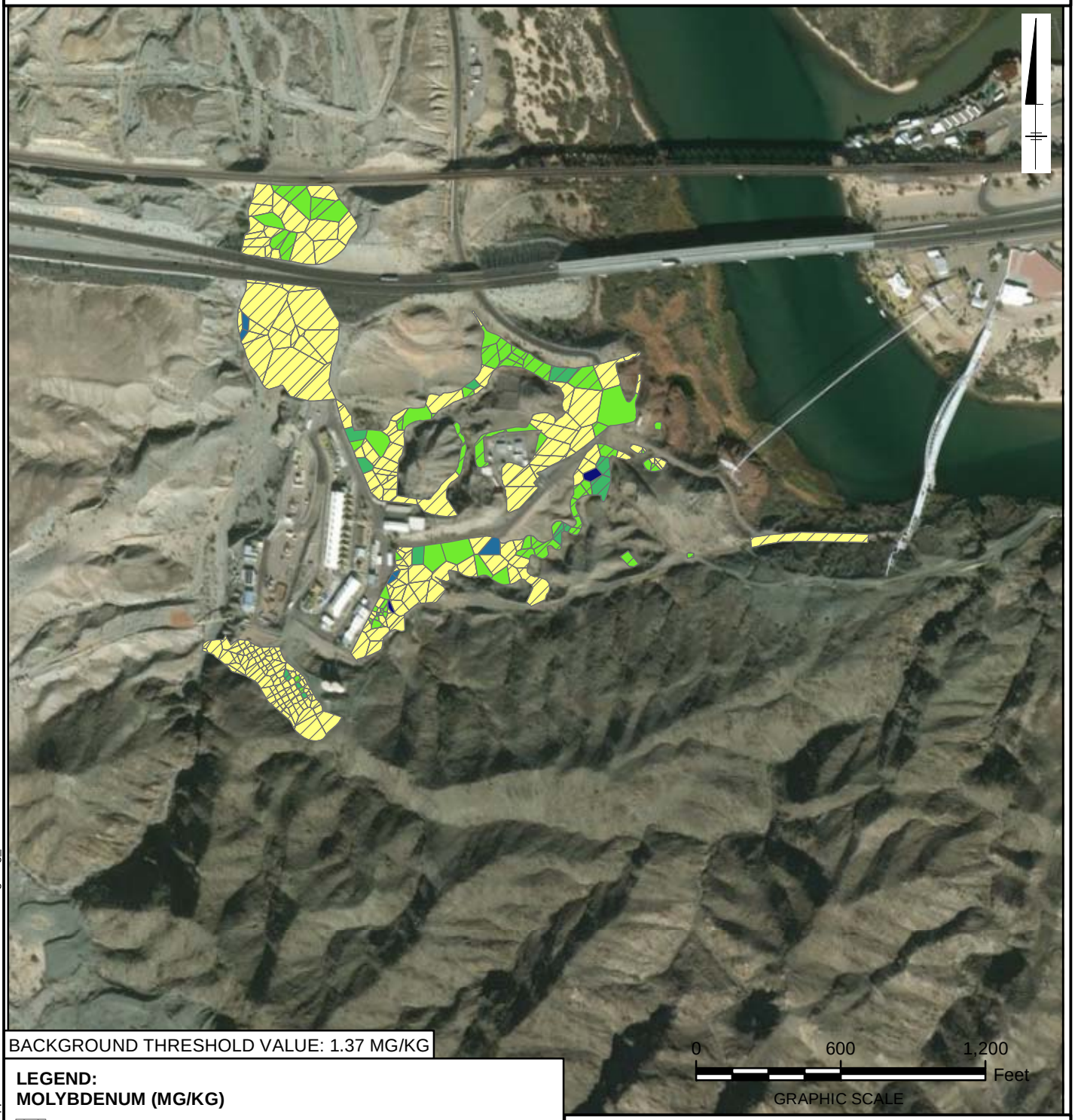
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.14

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.60
- ≥0.60 - 1.70
- ≥1.70 - 3.30
- ≥3.30 - 11.00
- ≥11.00 - 19.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

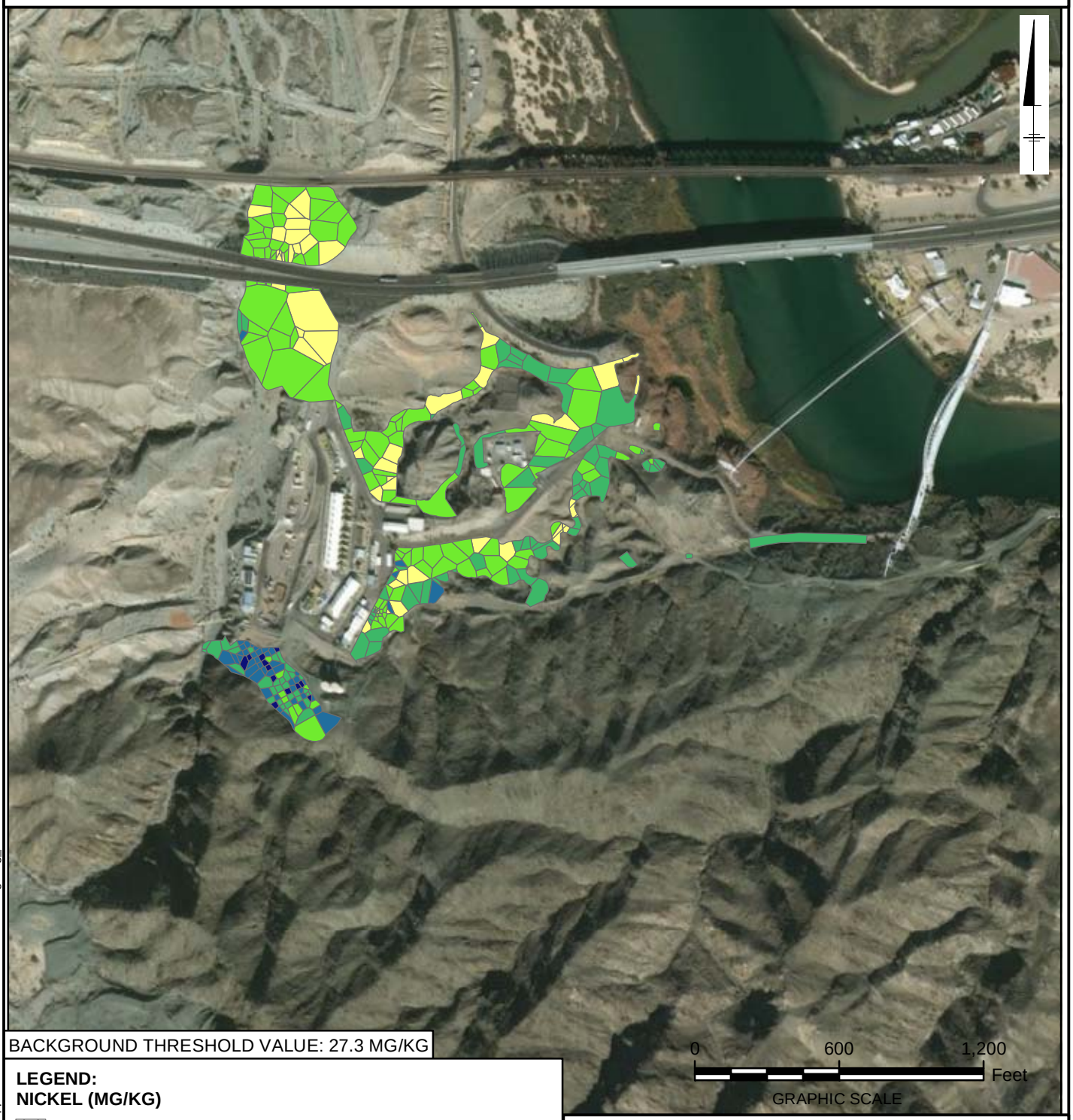
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.15

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 8.30
- ≥8.30 - 14.80
- ≥14.80 - 24.00
- ≥24.00 - 40.00
- ≥40.00 - 75.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

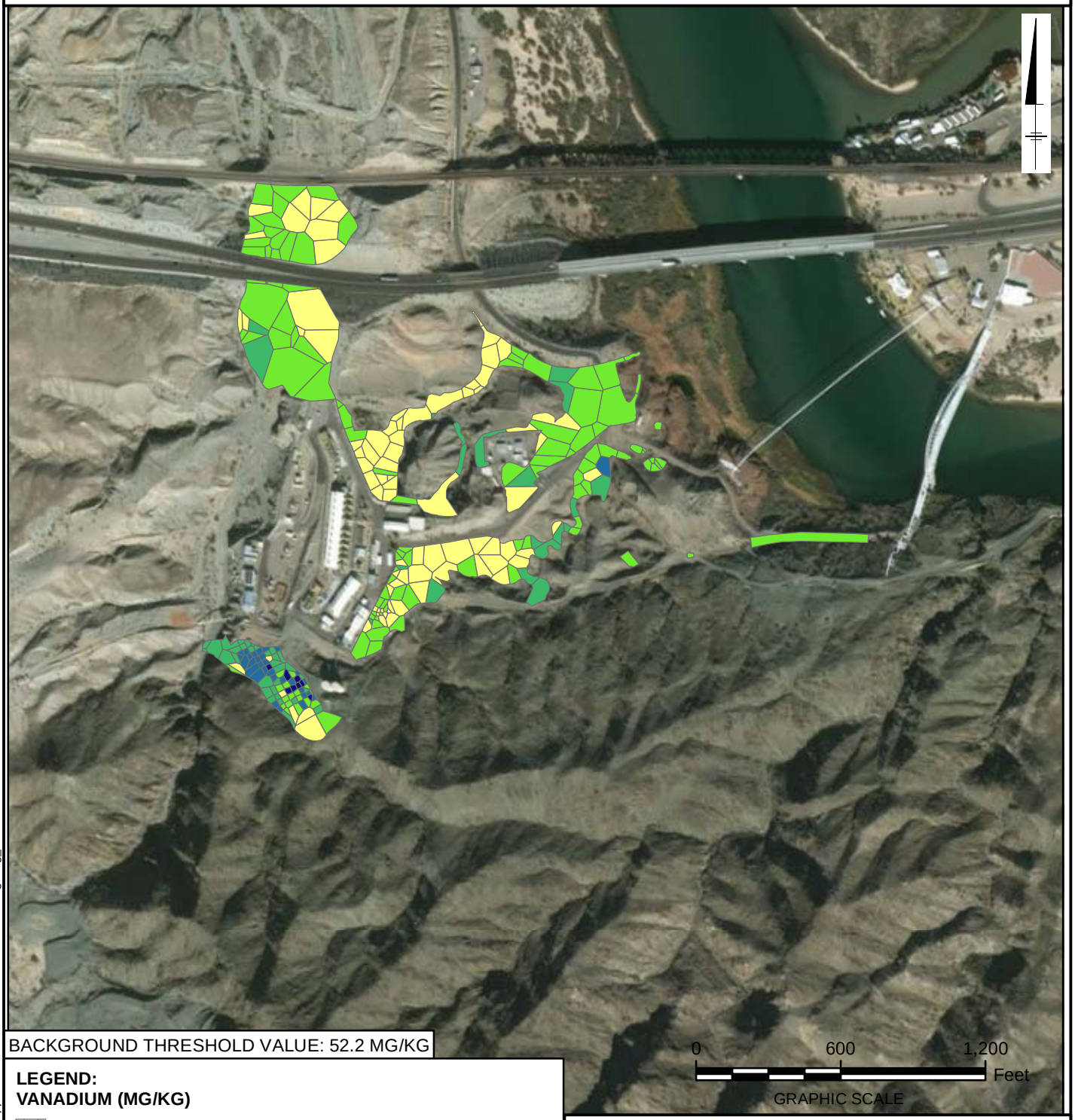
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.16

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 12.00 - 24.00
- ≥24.00 - 33.00
- ≥33.00 - 46.00
- ≥46.00 - 67.00
- ≥67.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

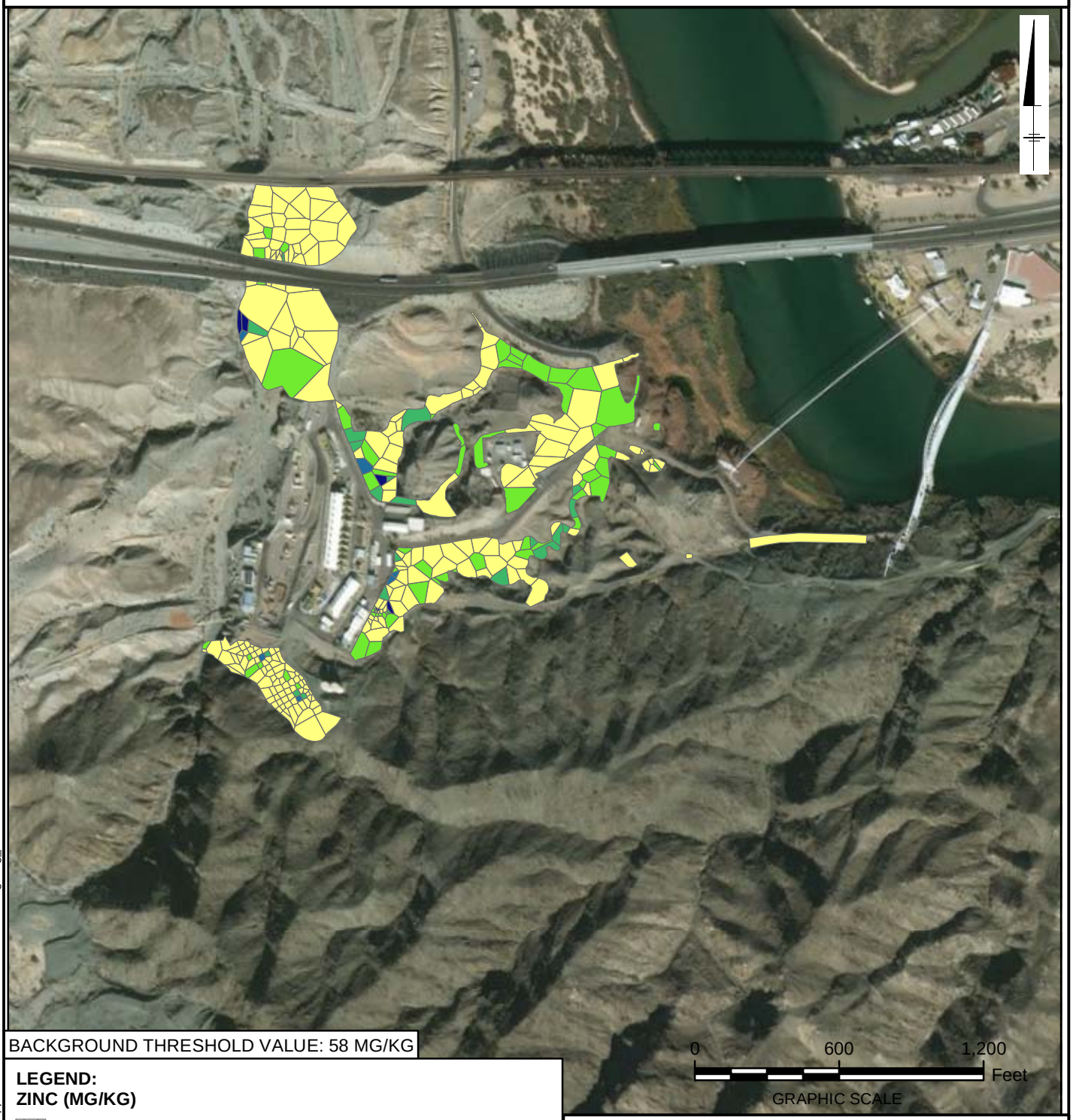
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.17

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 11.30 - 57.00
- ≥57.00 - 122.00
- ≥122.00 - 260.00
- ≥260.00 - 550.00
- ≥550.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

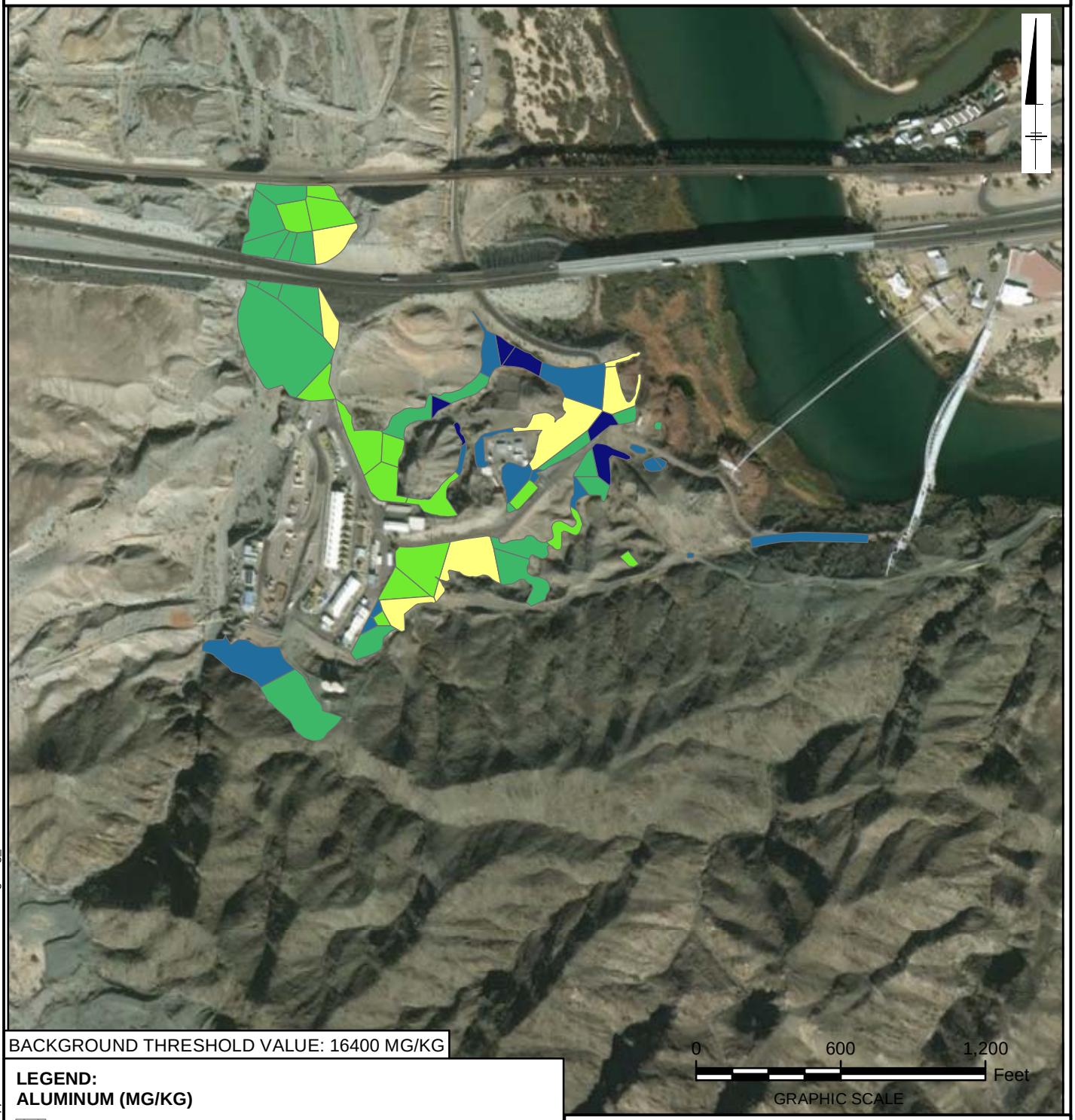
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.18

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 4900.00
- ≥4900.00 - 7200.00
- ≥7200.00 - 9100.00
- ≥9100.00 - 13000.00
- ≥13000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

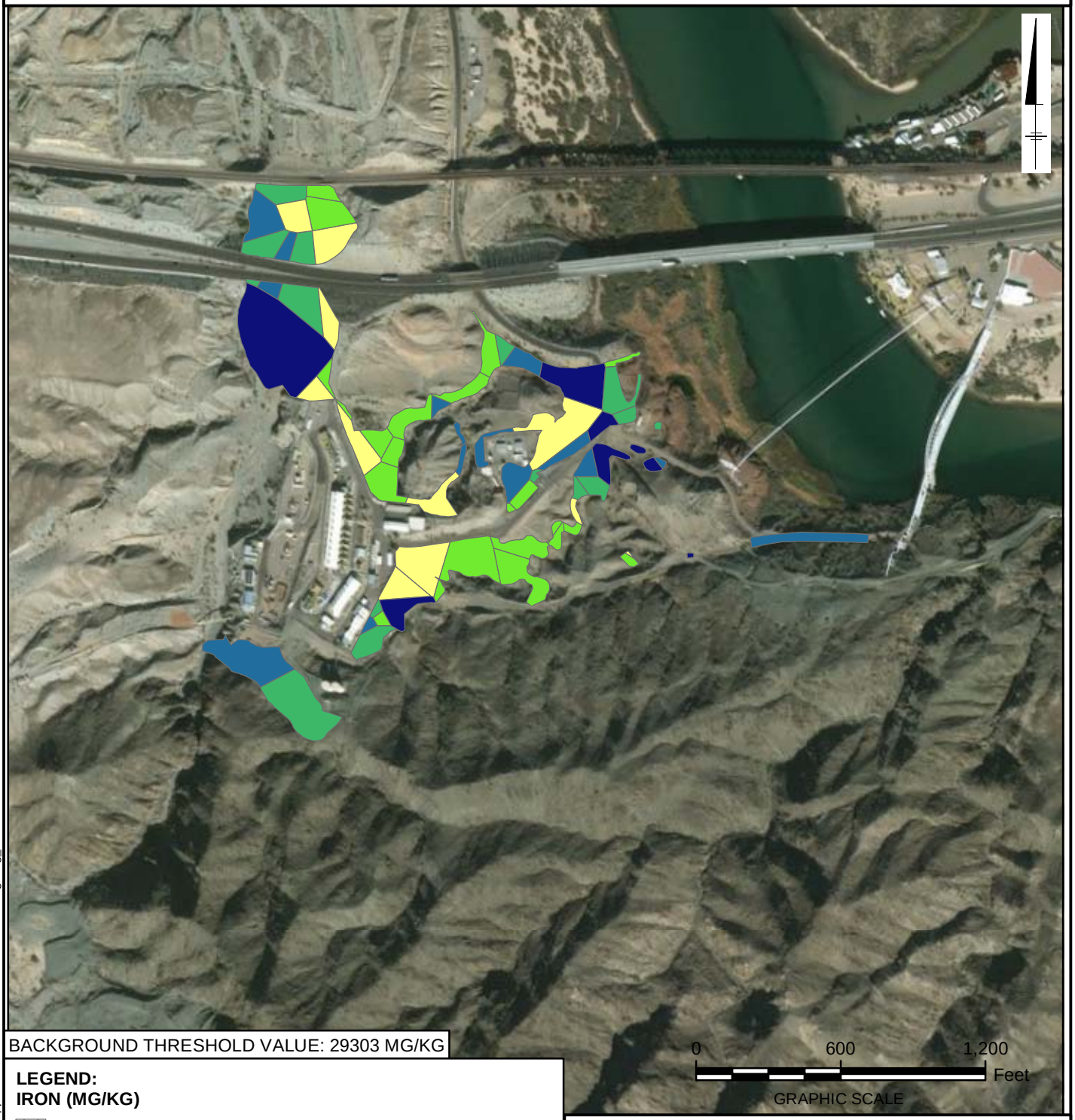
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.19

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 6800.00 - 11000.00
- ≥11000.00 - 15000.00
- ≥15000.00 - 19000.00
- ≥19000.00 - 23000.00
- ≥23000.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

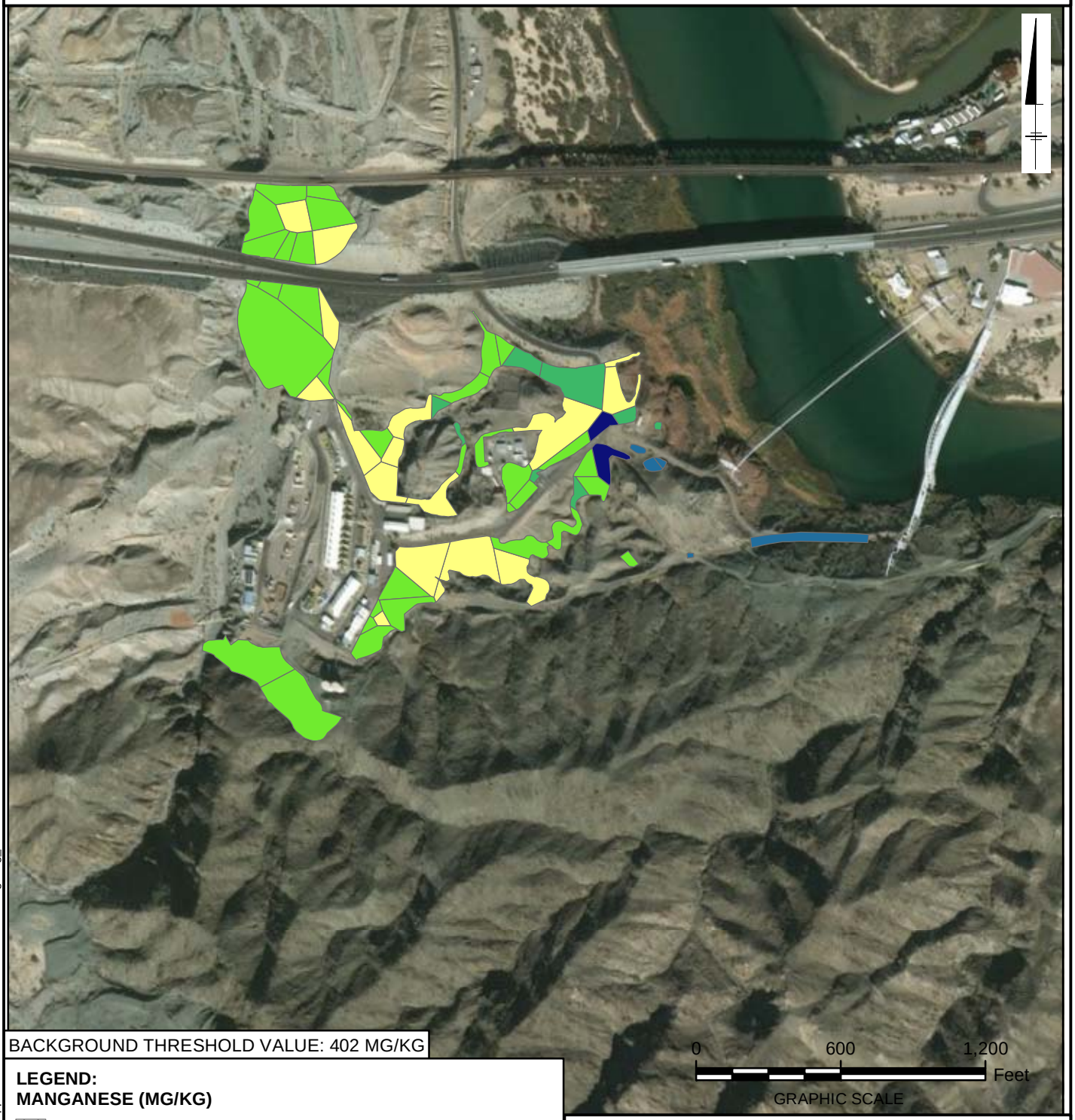
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A320

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 120.00 - 220.00
- ≥220.00 - 330.00
- ≥330.00 - 470.00
- ≥470.00 - 840.00
- ≥840.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

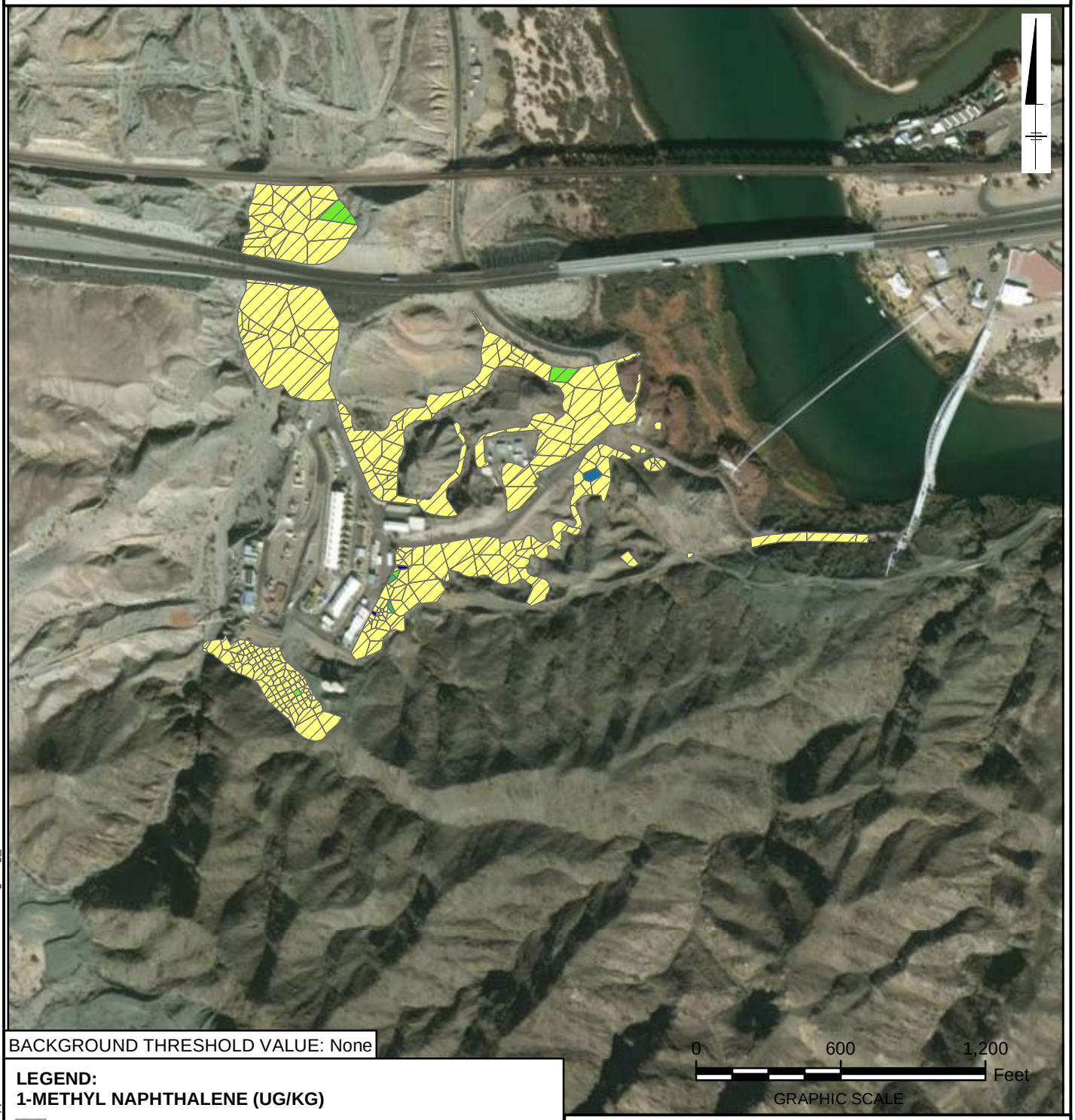
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.21

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.20
- ≥6.20 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 81.00
- ≥81.00 - 160.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

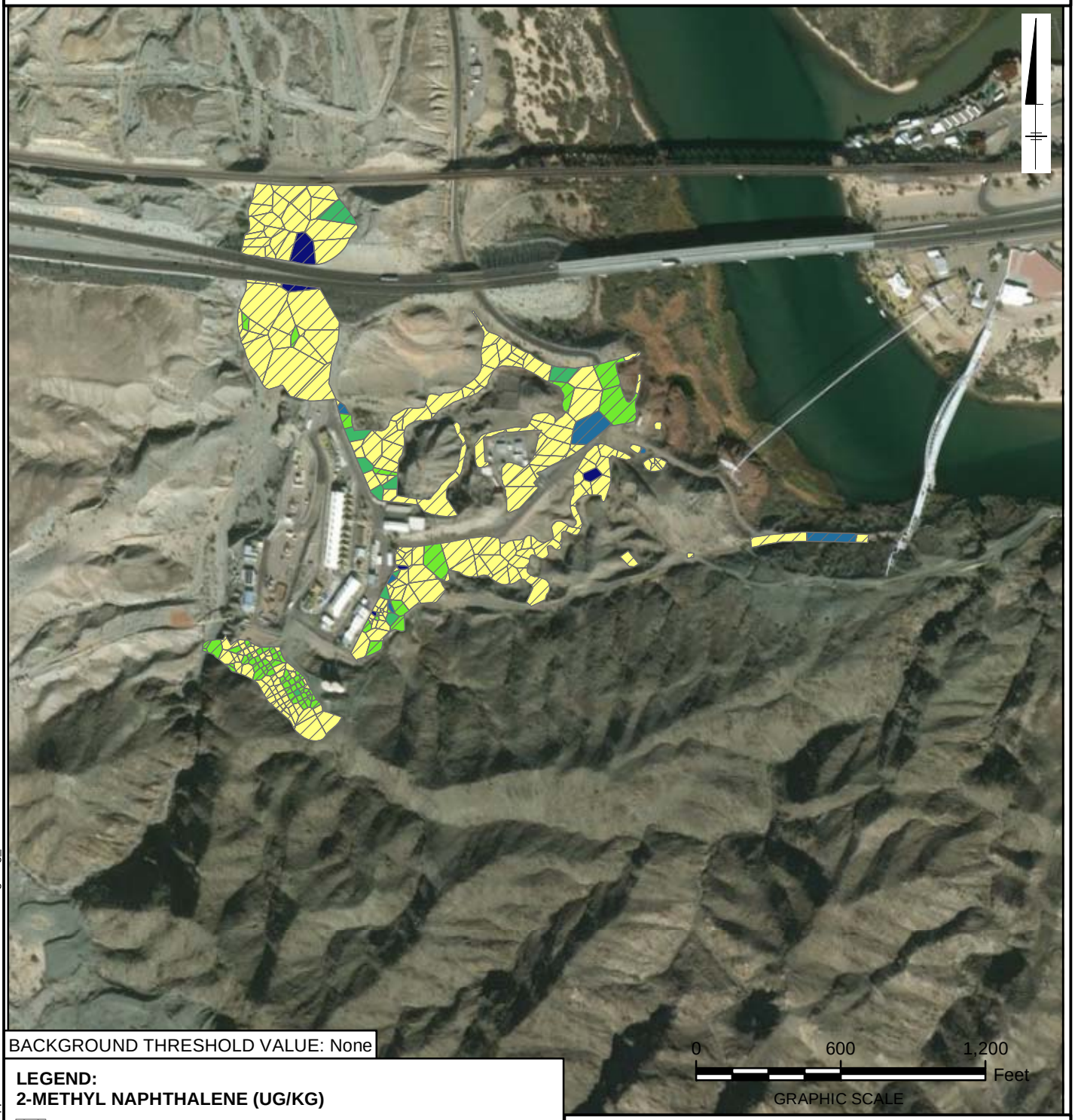
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A322

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 2.60
- ≥2.60 - 3.10
- ≥3.10 - 13.00
- ≥13.00 - 50.00
- ≥50.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

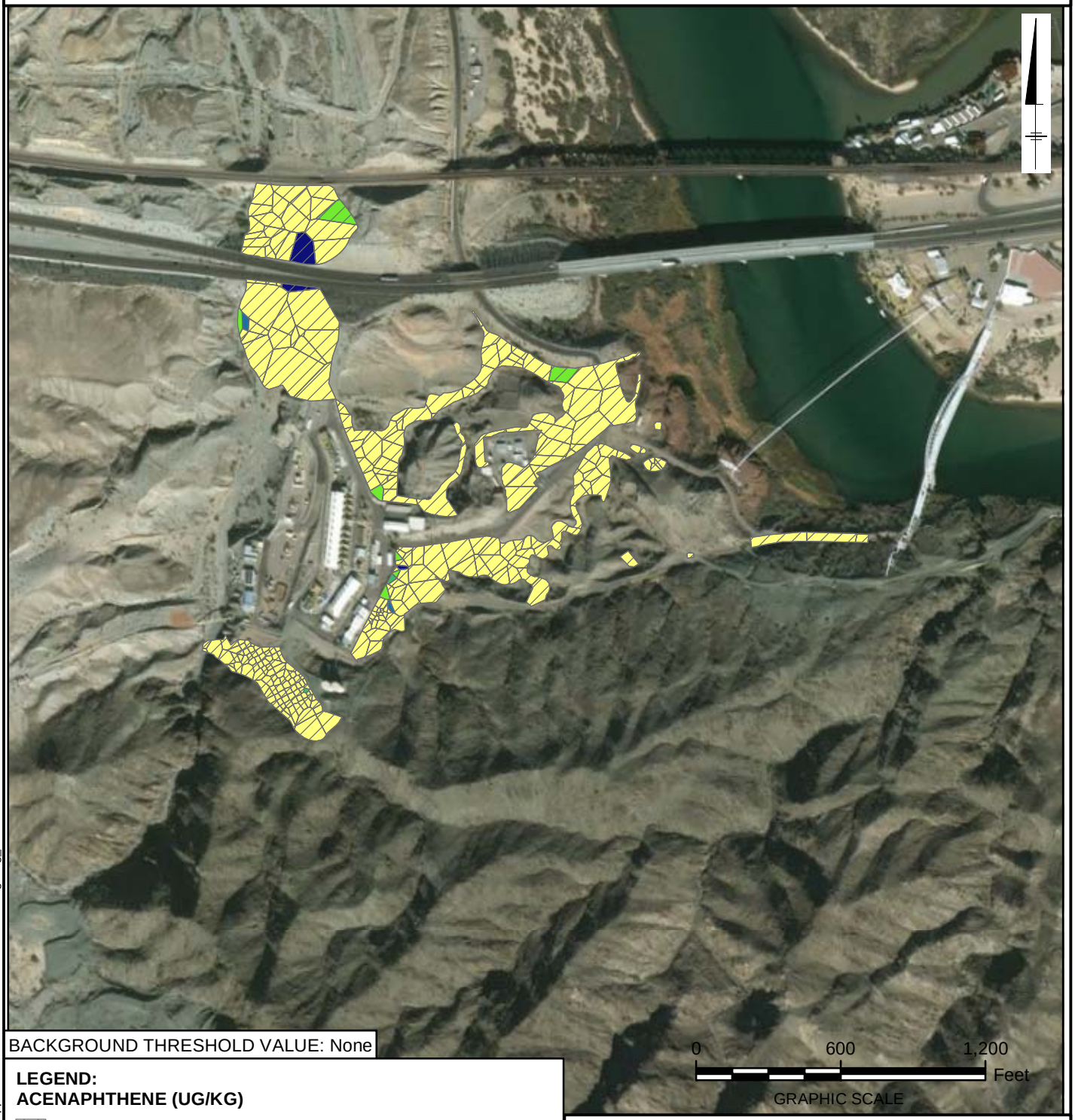
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A323

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.90
- ≥5.90 - 12.50
- ≥12.50 - 28.50
- ≥28.50 - 51.00
- ≥51.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

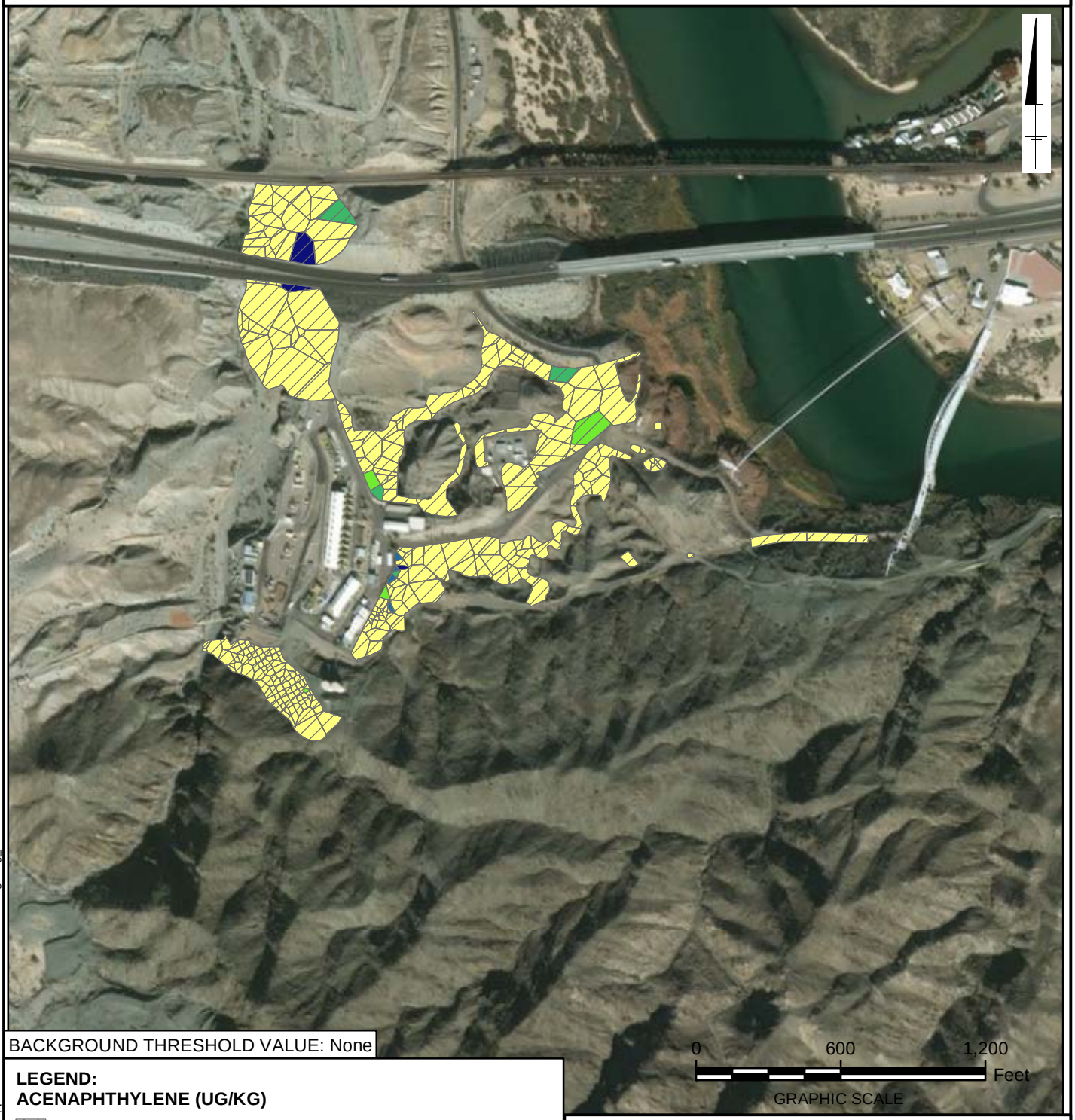
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.24

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.10
- ≥3.10 - 6.20
- ≥6.20 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

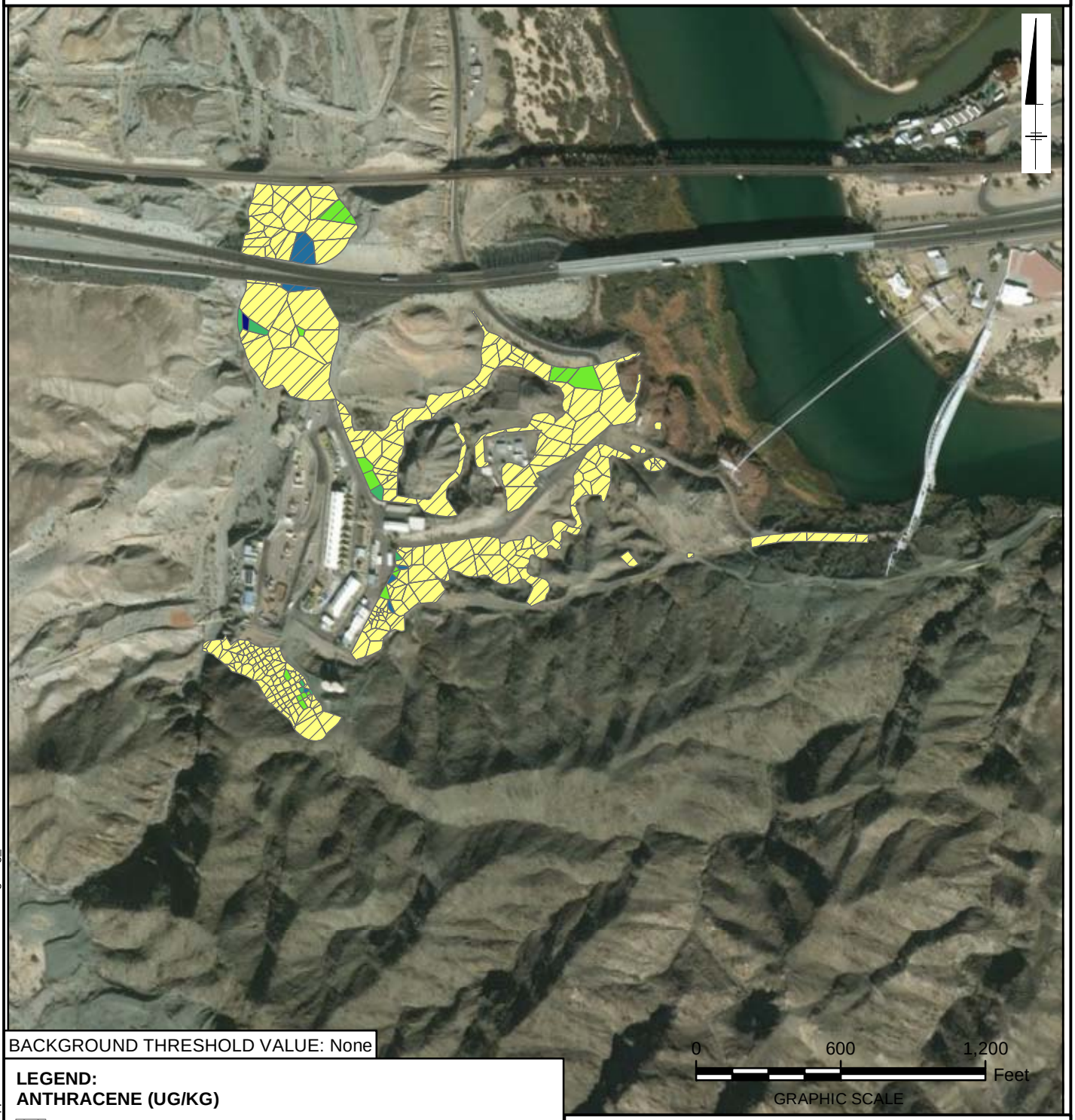
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A325

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 7.90
- ≥7.90 - 29.00
- ≥29.00 - 68.00
- ≥68.00 - 165.00
- ≥165.00 - 710.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

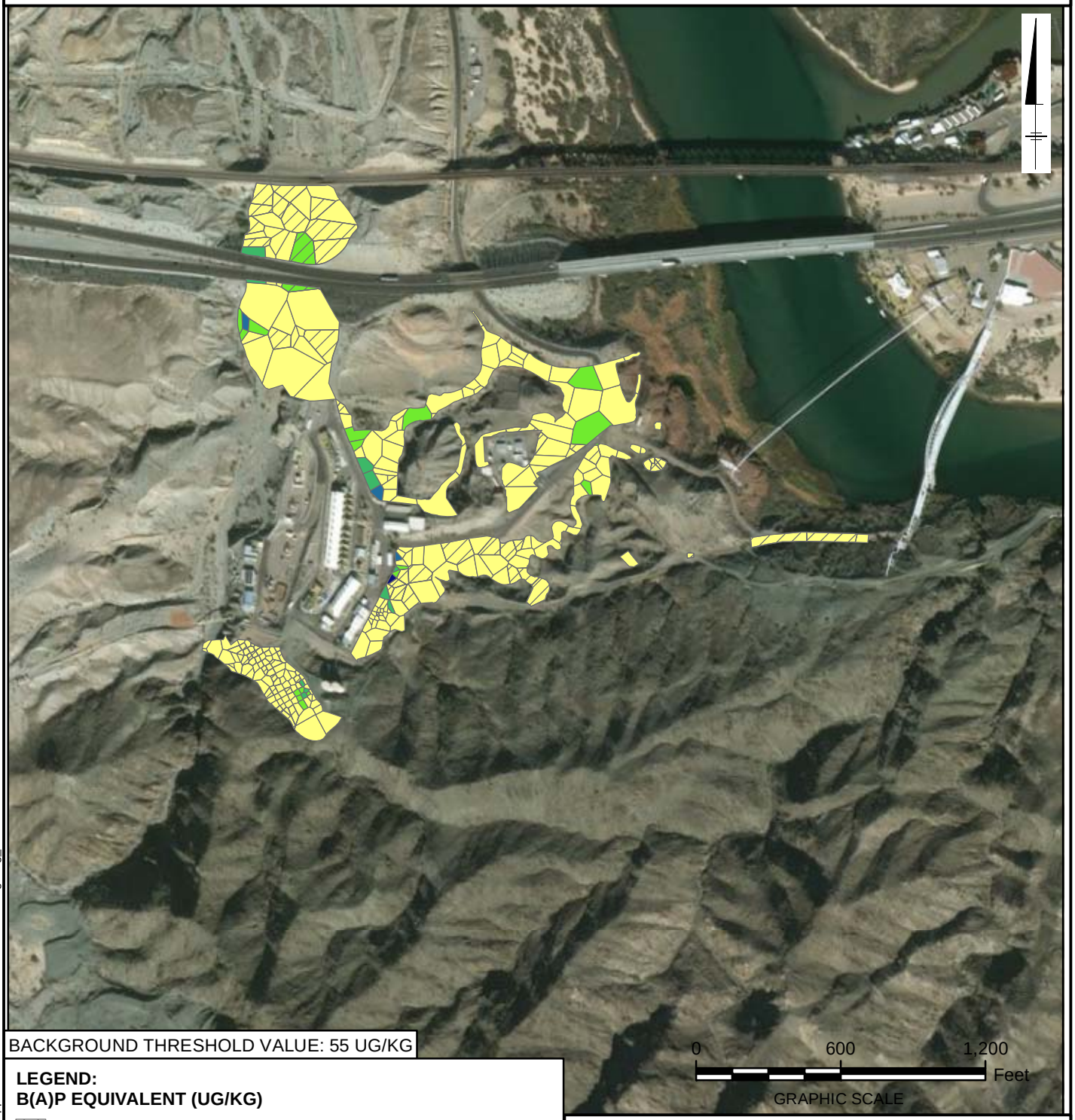
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.26

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 180.00
- ≥180.00 - 520.00
- ≥520.00 - 1700.00
- ≥1700.00 - 3300.00
- ≥3300.00 - 8200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

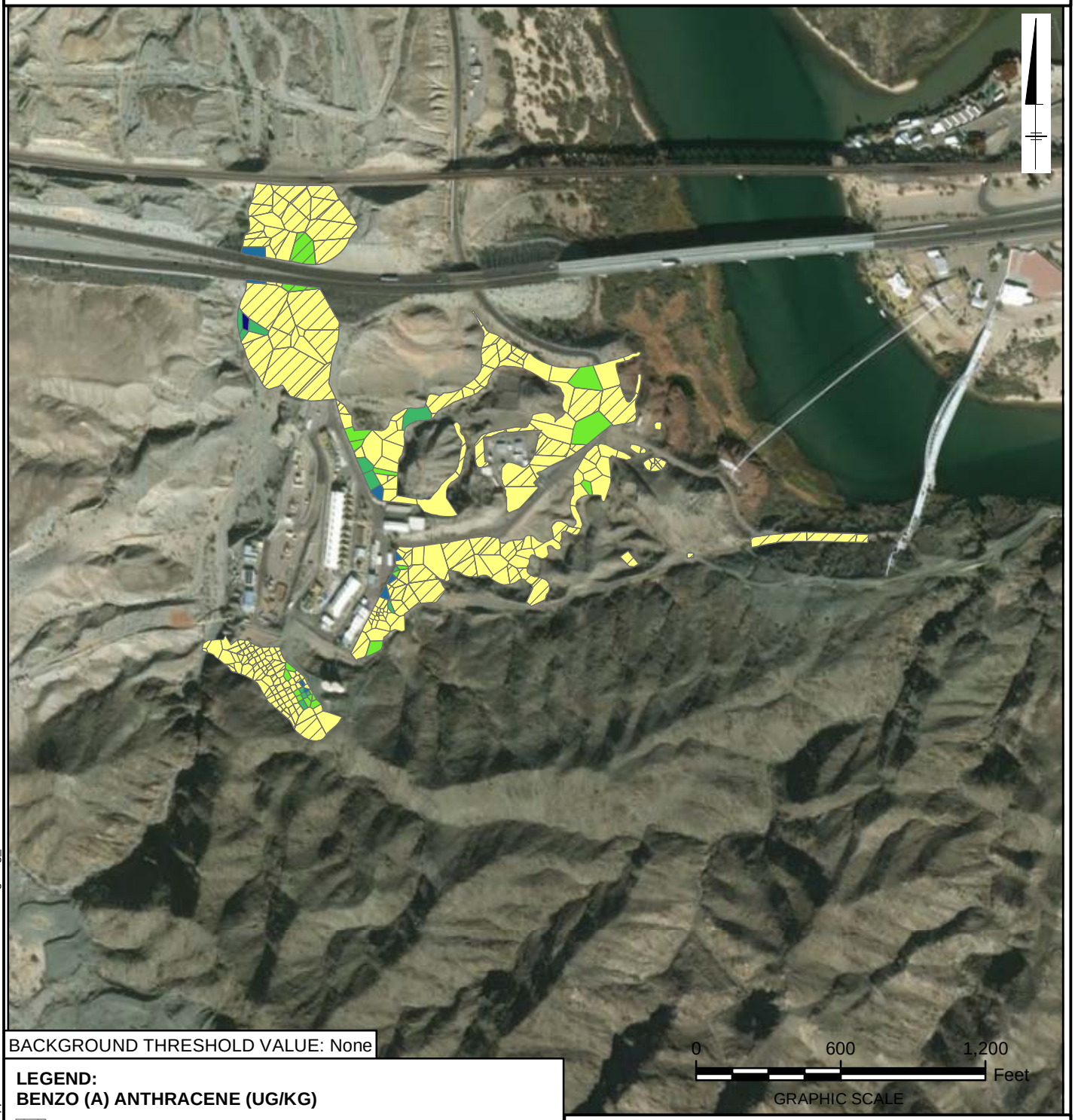
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.27

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 80.00
- ≥80.00 - 290.00
- ≥290.00 - 810.00
- ≥810.00 - 1900.00
- ≥1900.00 - 3400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

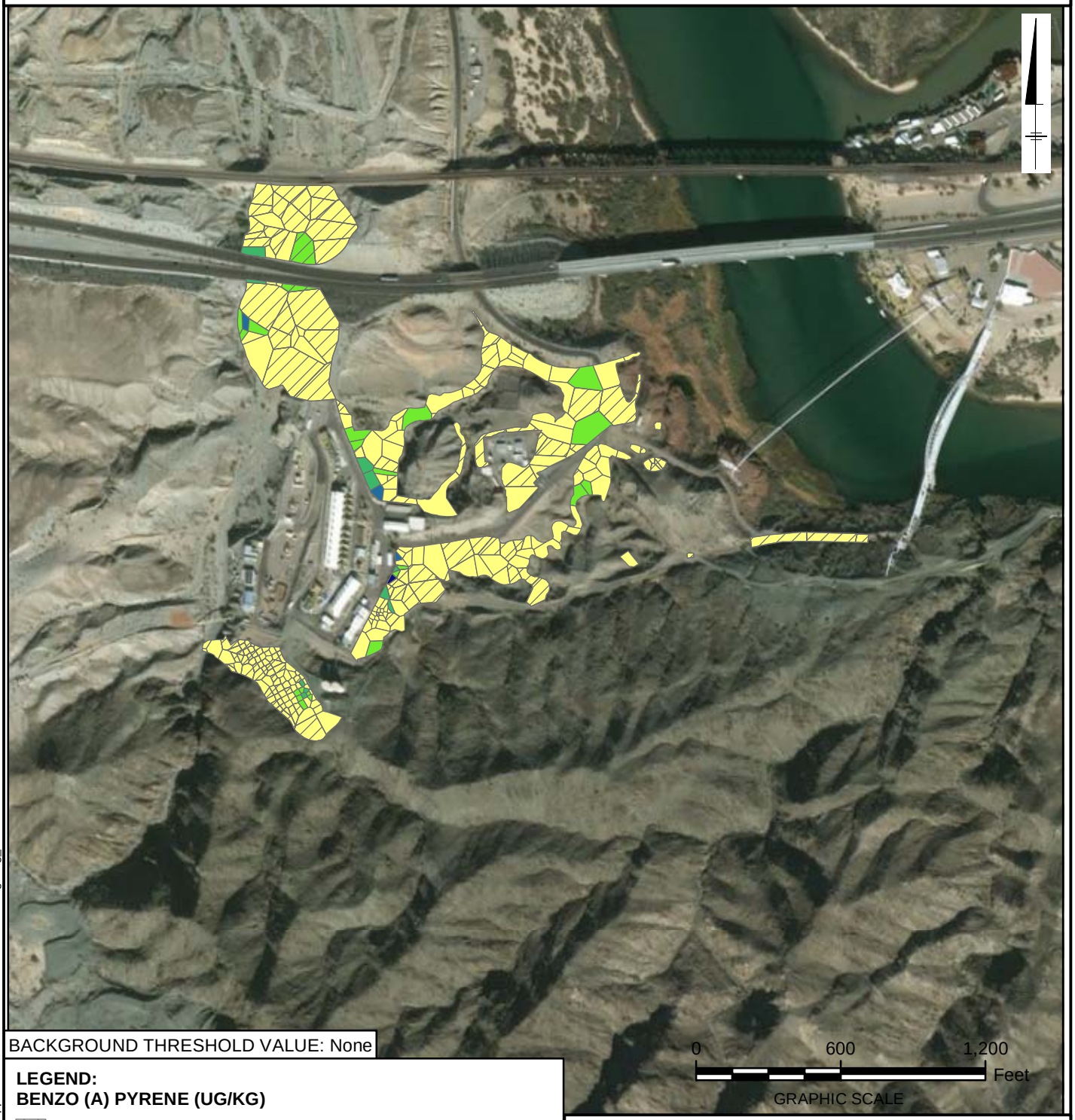
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A328

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 94.00
- ≥94.00 - 380.00
- ≥380.00 - 1100.00
- ≥1100.00 - 2000.00
- ≥2000.00 - 4400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

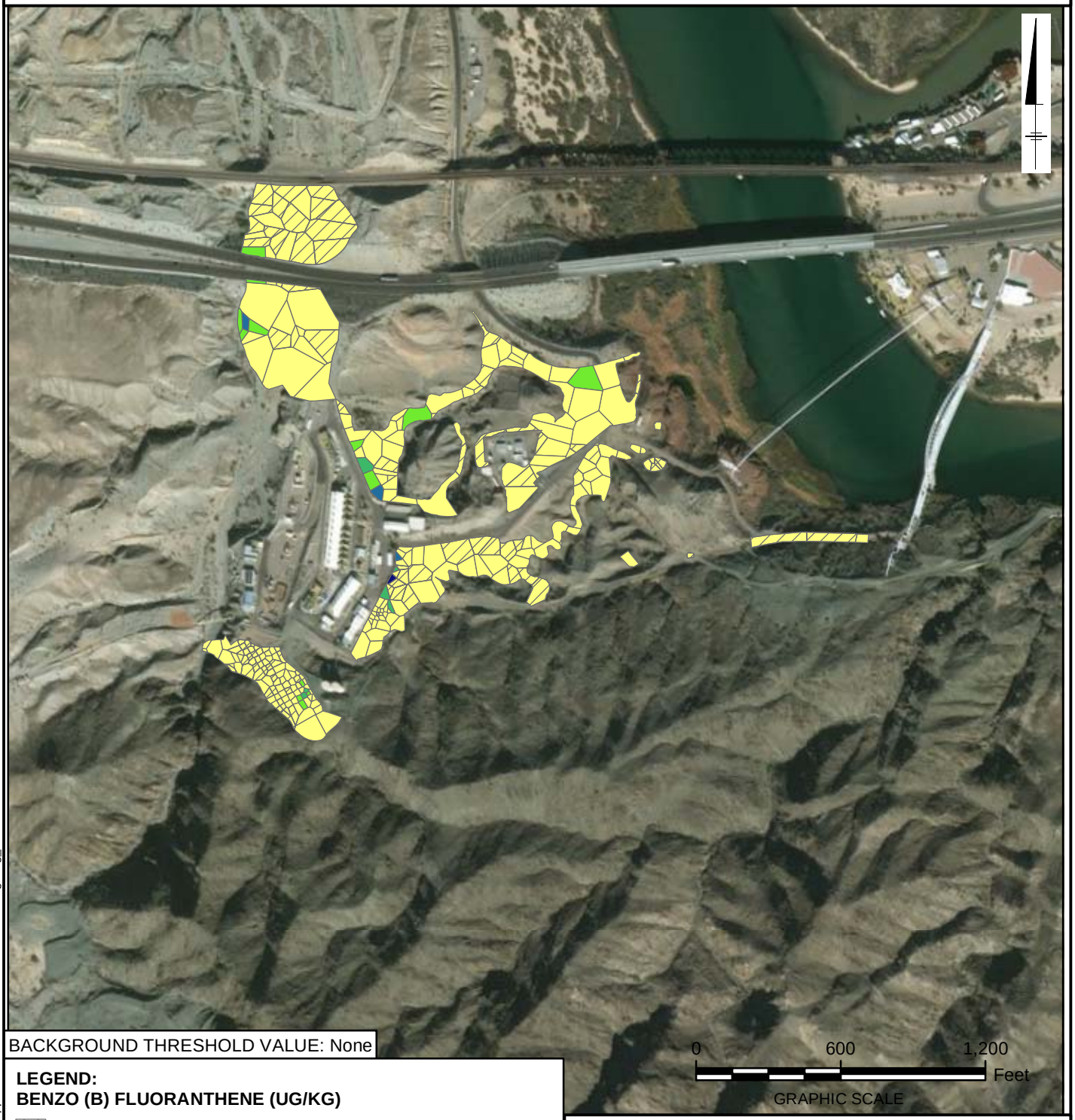
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A329

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 300.00
- ≥300.00 - 1000.00
- ≥1000.00 - 1900.00
- ≥1900.00 - 3400.00
- ≥3400.00 - 15000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

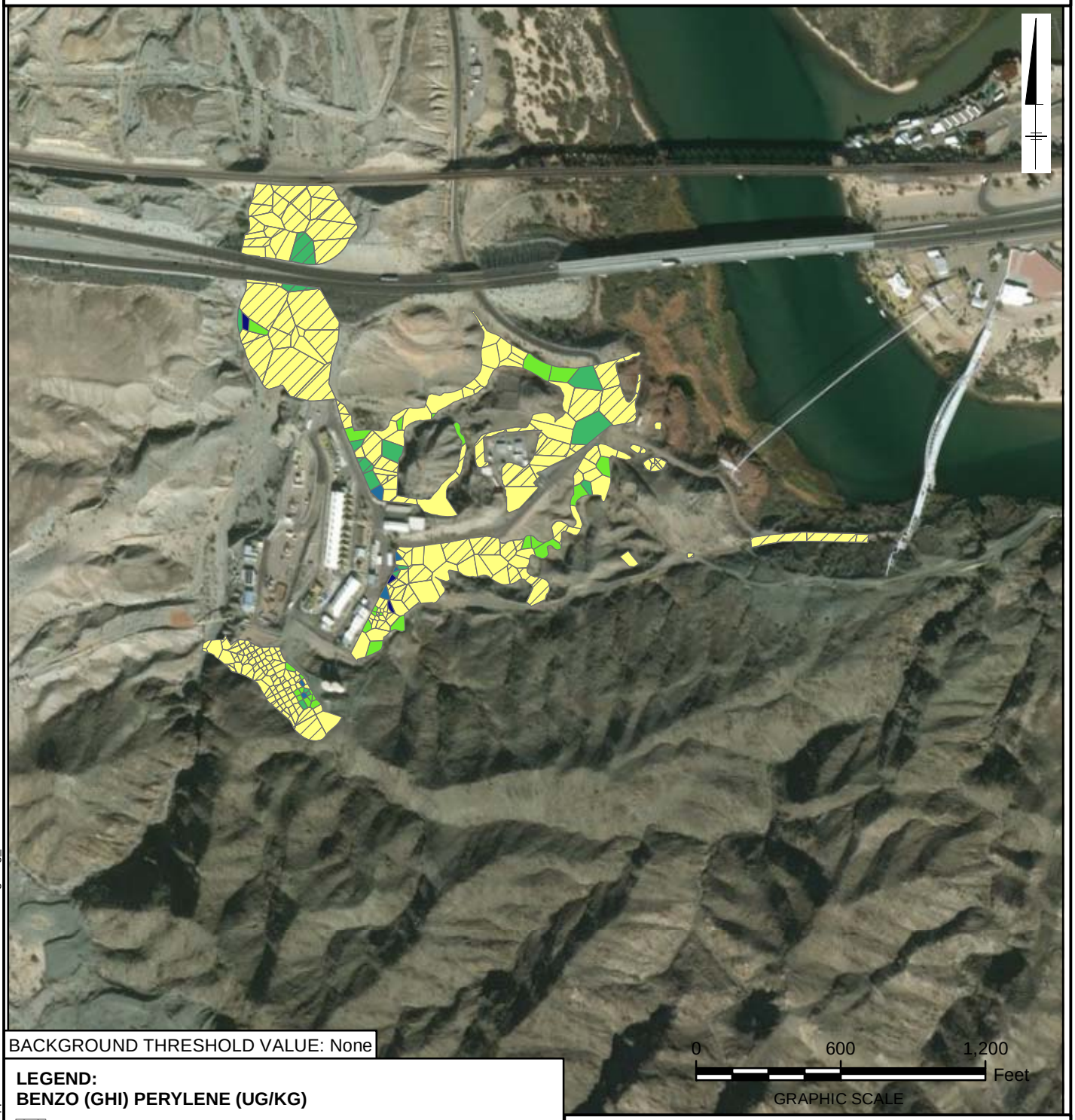
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.30

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 34.00
- ≥34.00 - 97.00
- ≥97.00 - 260.00
- ≥260.00 - 840.00
- ≥840.00 - 1900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

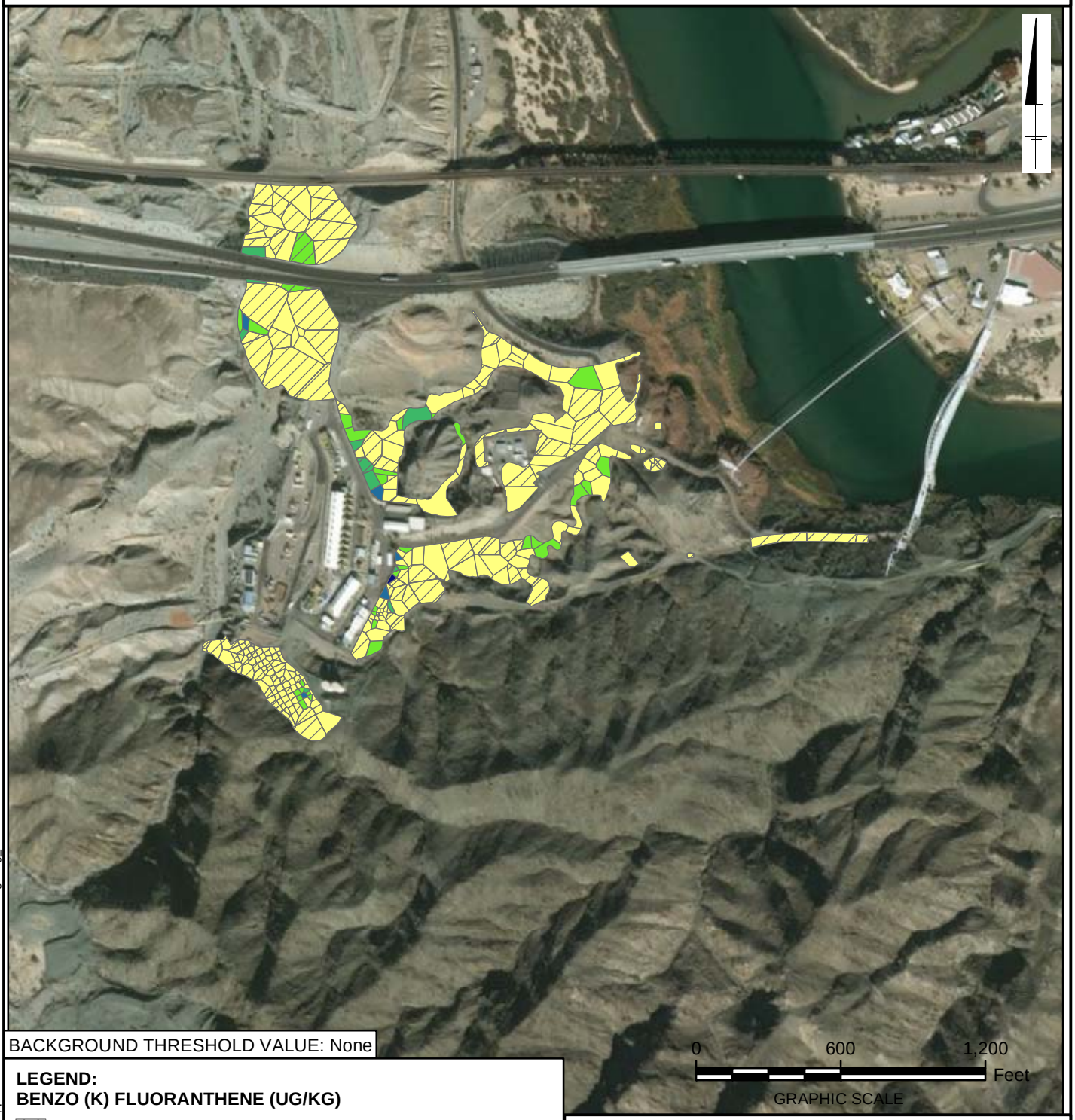
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.31

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 51.00
- ≥51.00 - 190.00
- ≥190.00 - 580.00
- ≥580.00 - 1400.00
- ≥1400.00 - 5800.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

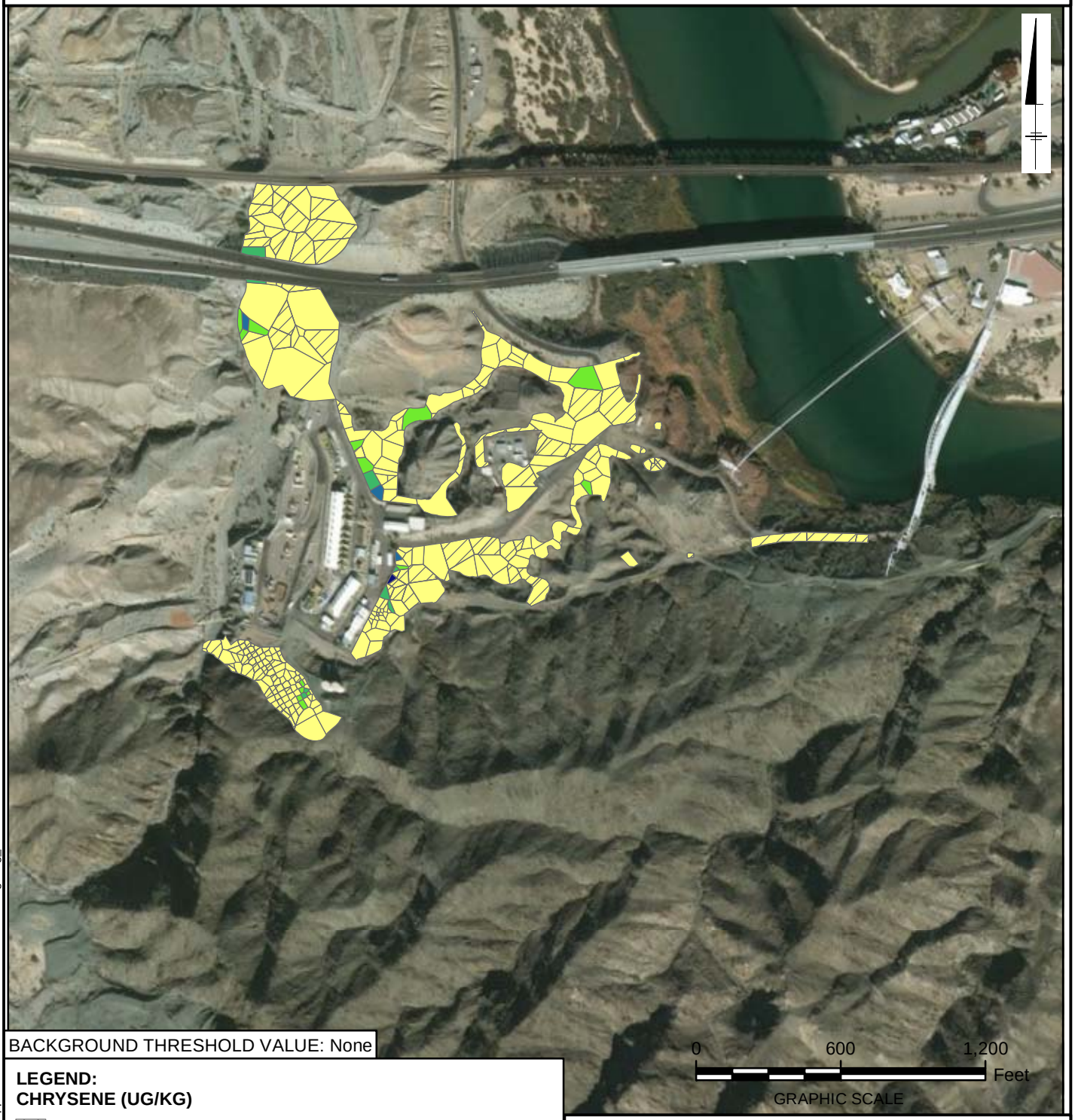
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.32

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 200.00
- ≥200.00 - 630.00
- ≥630.00 - 1200.00
- ≥1200.00 - 3000.00
- ≥3000.00 - 5200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

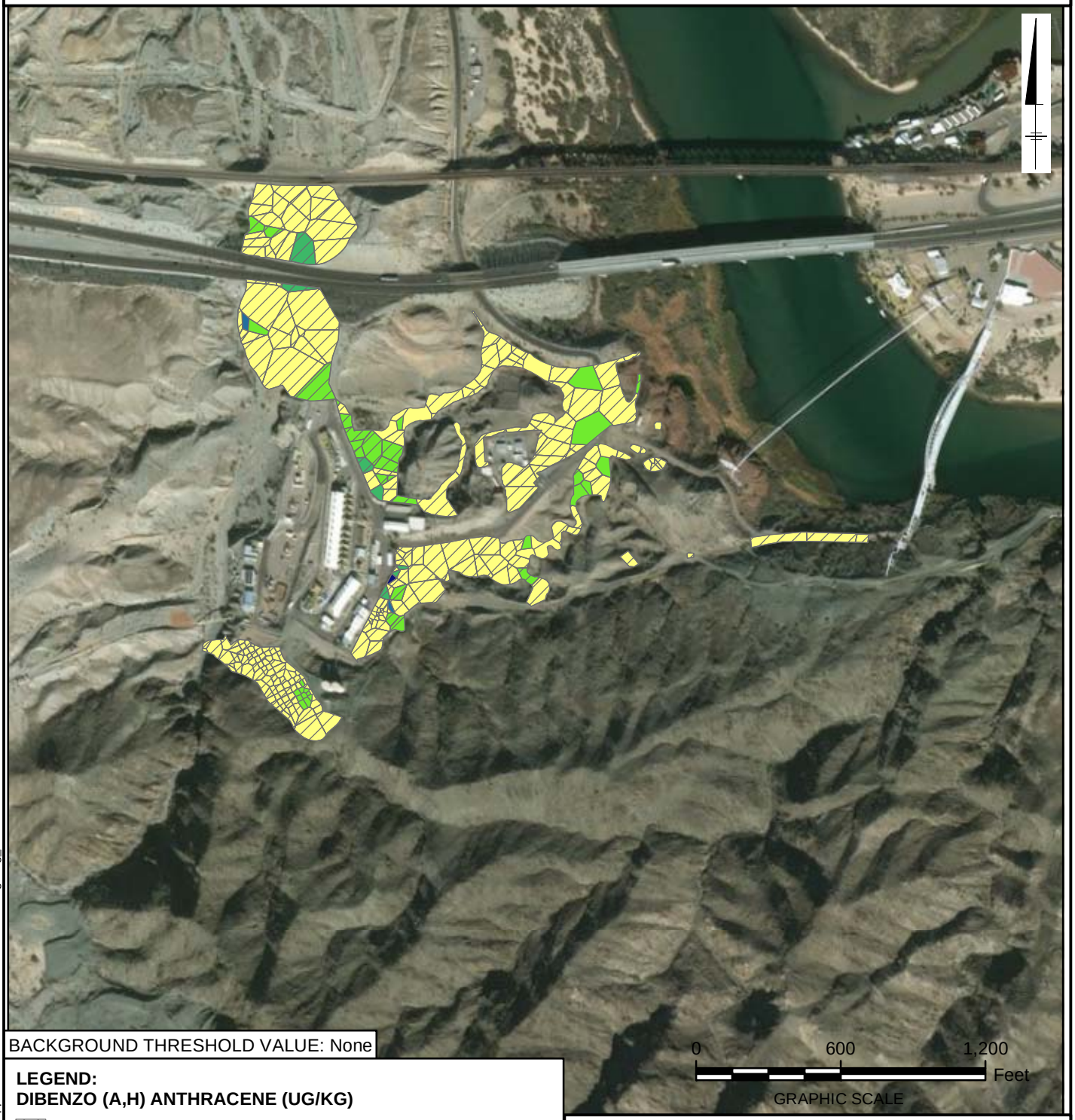
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.33

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 17.00
- ≥17.00 - 93.00
- ≥93.00 - 260.00
- ≥260.00 - 530.00
- ≥530.00 - 1900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

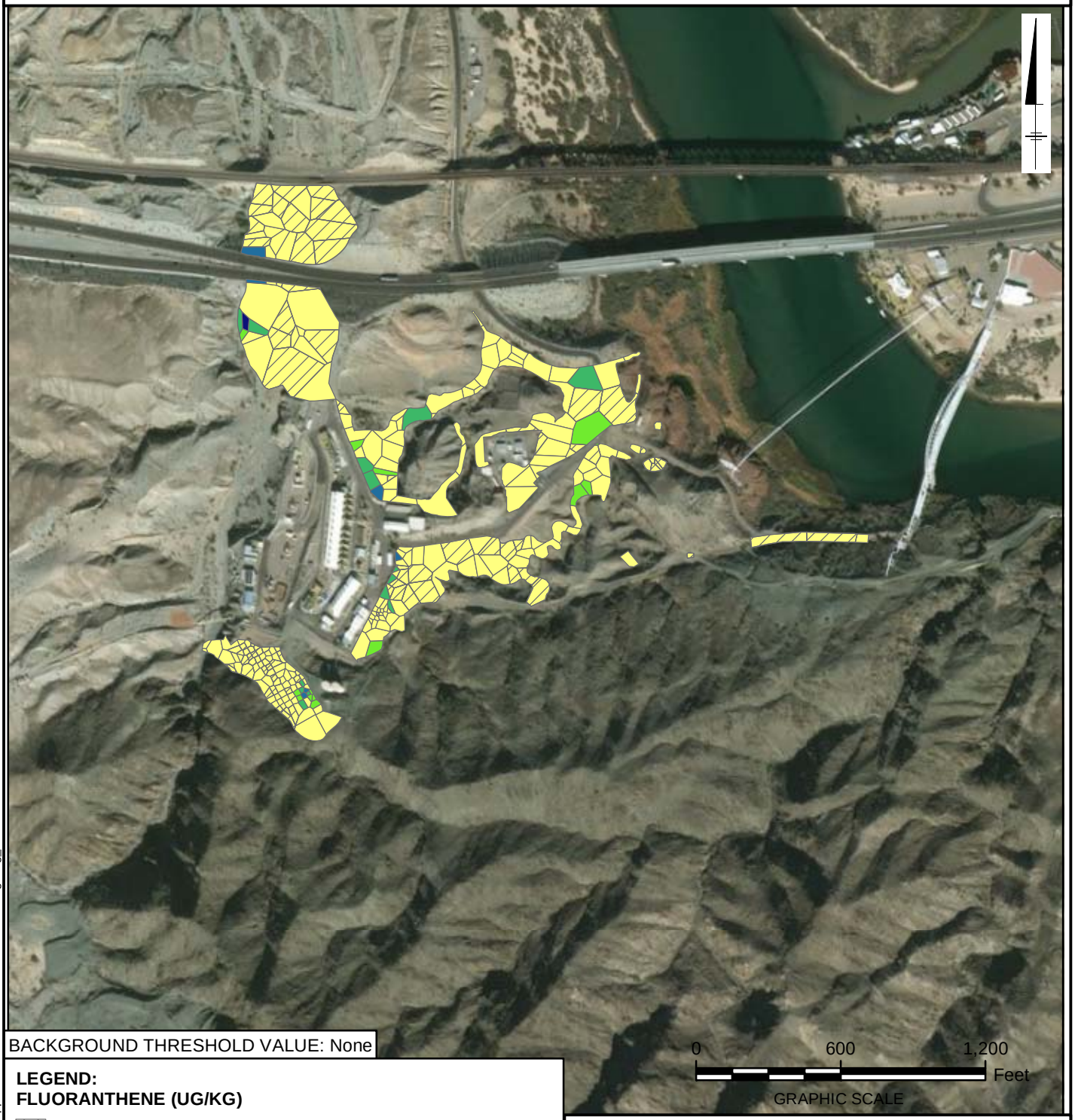
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.34

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 210.00
- ≥210.00 - 600.00
- ≥600.00 - 1700.00
- ≥1700.00 - 3700.00
- ≥3700.00 - 8600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

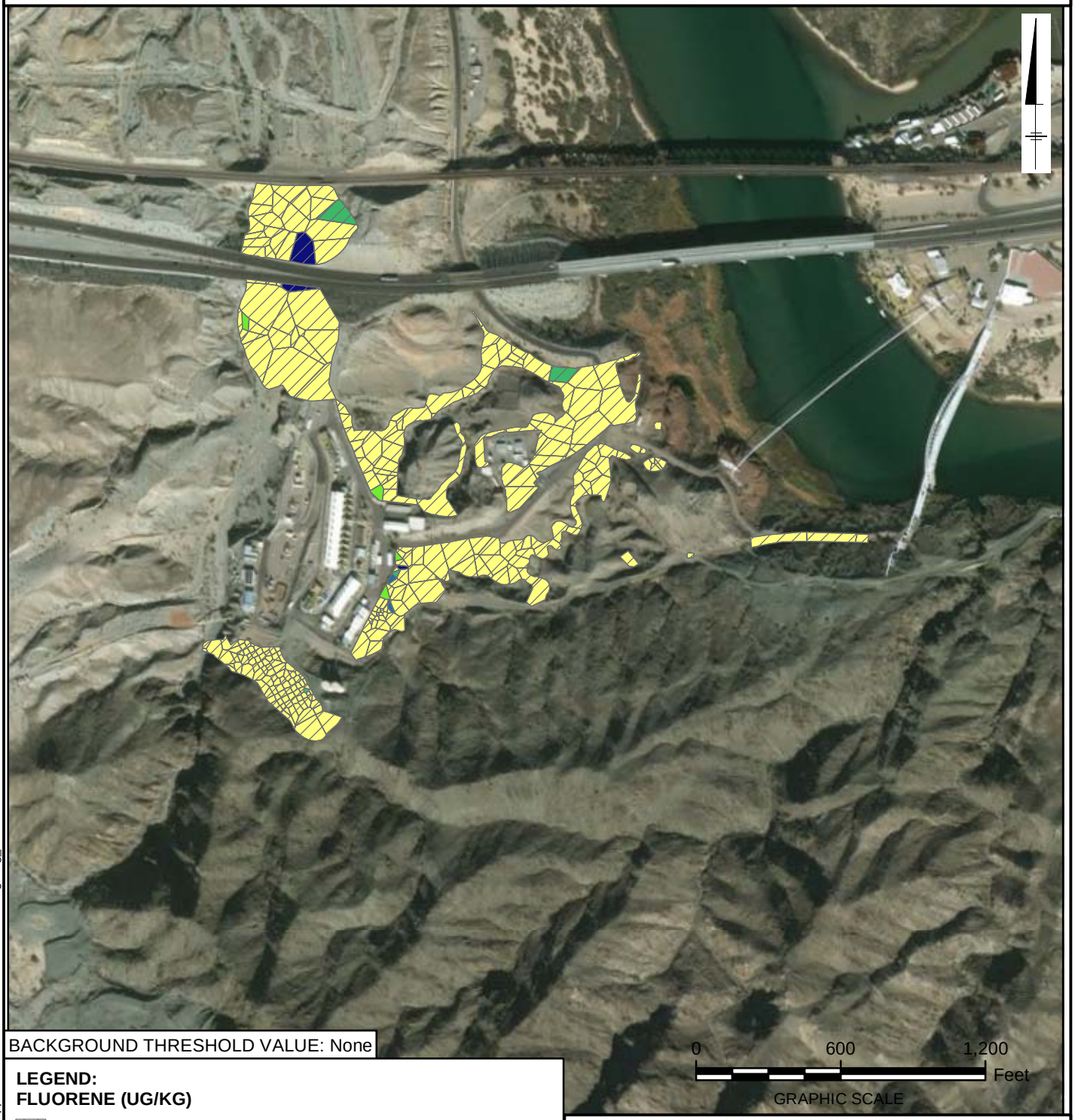
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.35

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.00
- ≥5.00 - 9.80
- ≥9.80 - 14.00
- ≥14.00 - 40.00
- ≥40.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

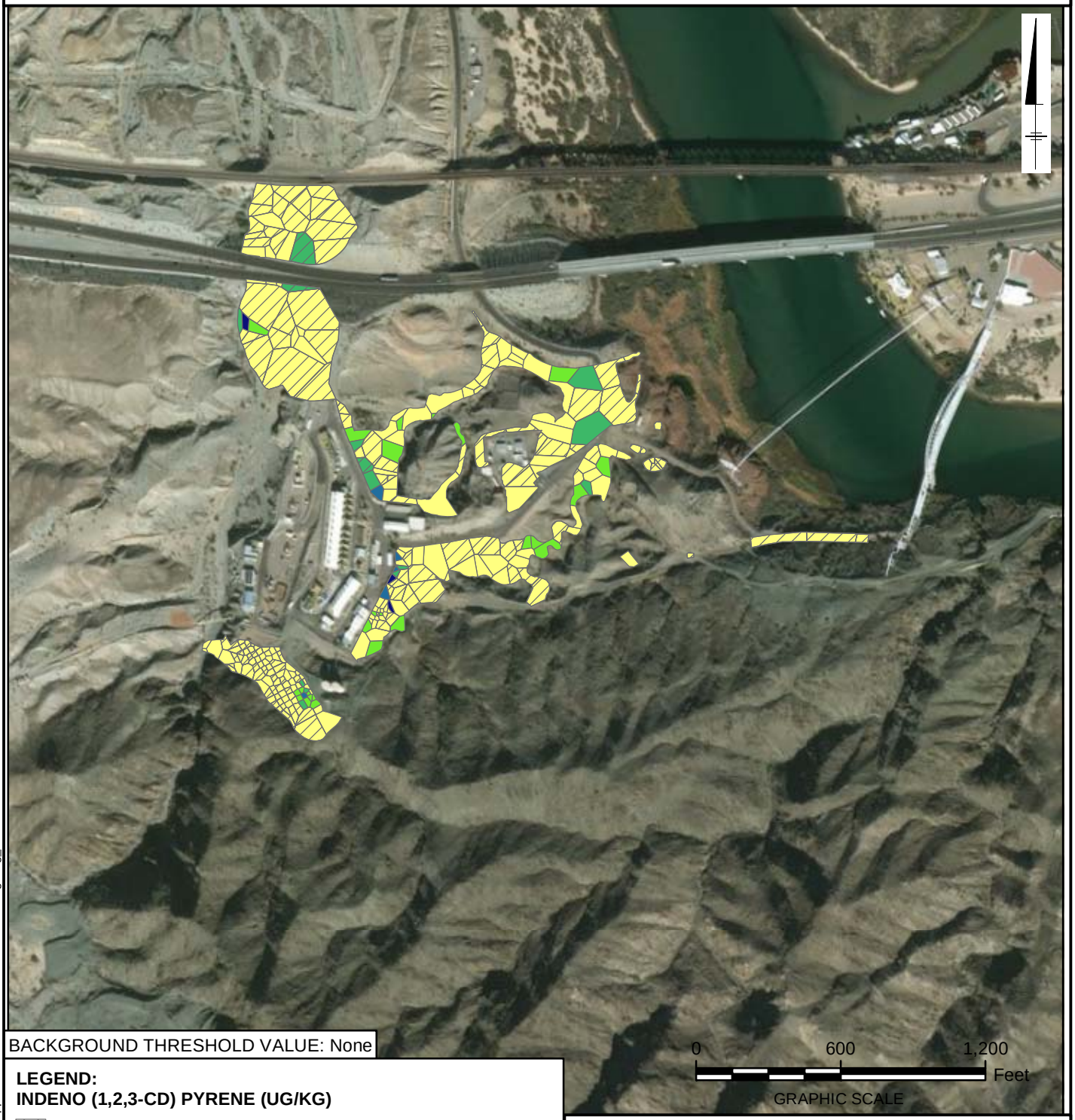
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.36

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 35.00
- ≥35.00 - 110.00
- ≥110.00 - 330.00
- ≥330.00 - 840.00
- ≥840.00 - 1900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

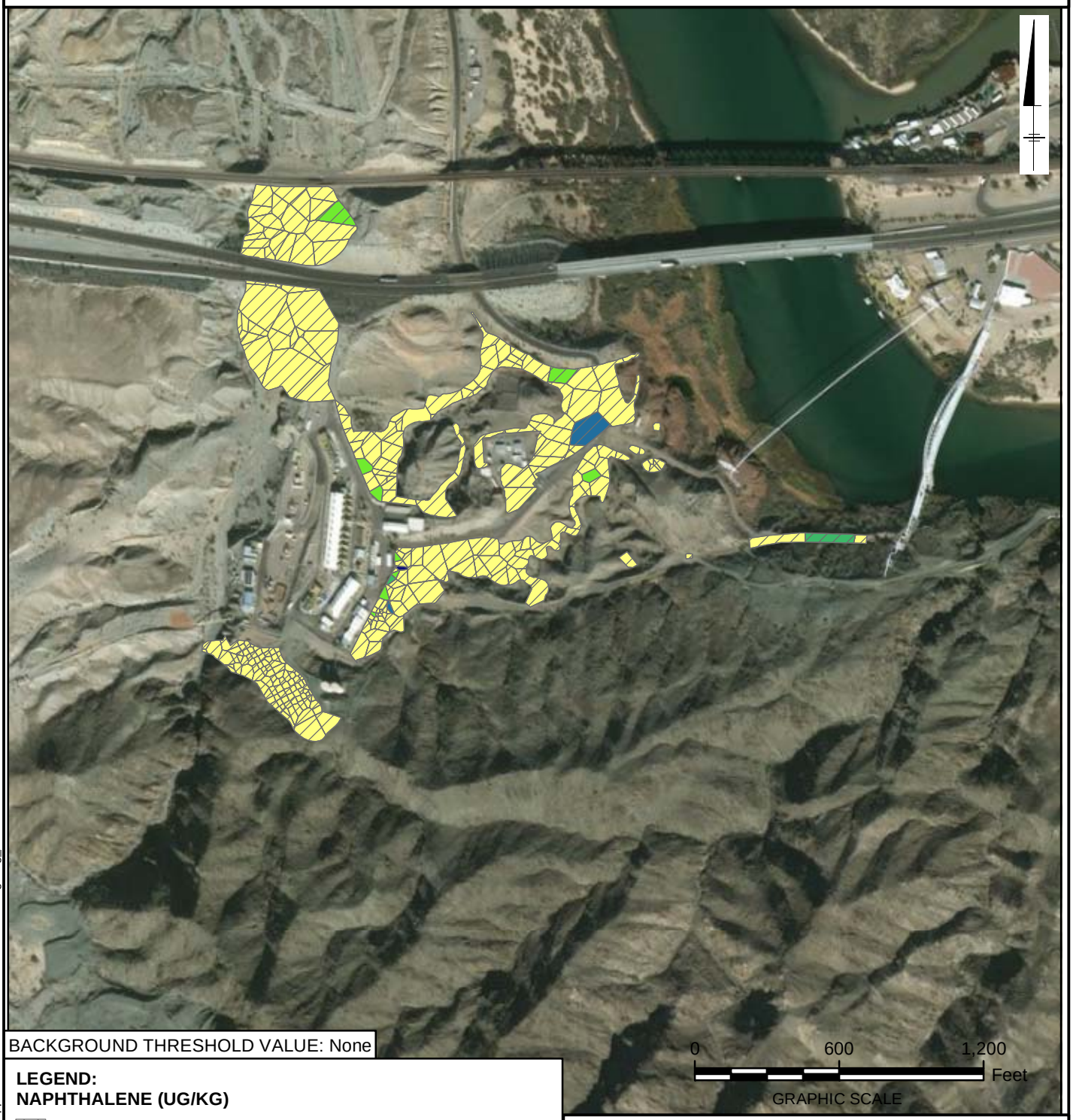
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.37

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.30 - 6.50
- ≥6.50 - 18.00
- ≥18.00 - 28.50
- ≥28.50 - 50.00
- ≥50.00 - 125.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

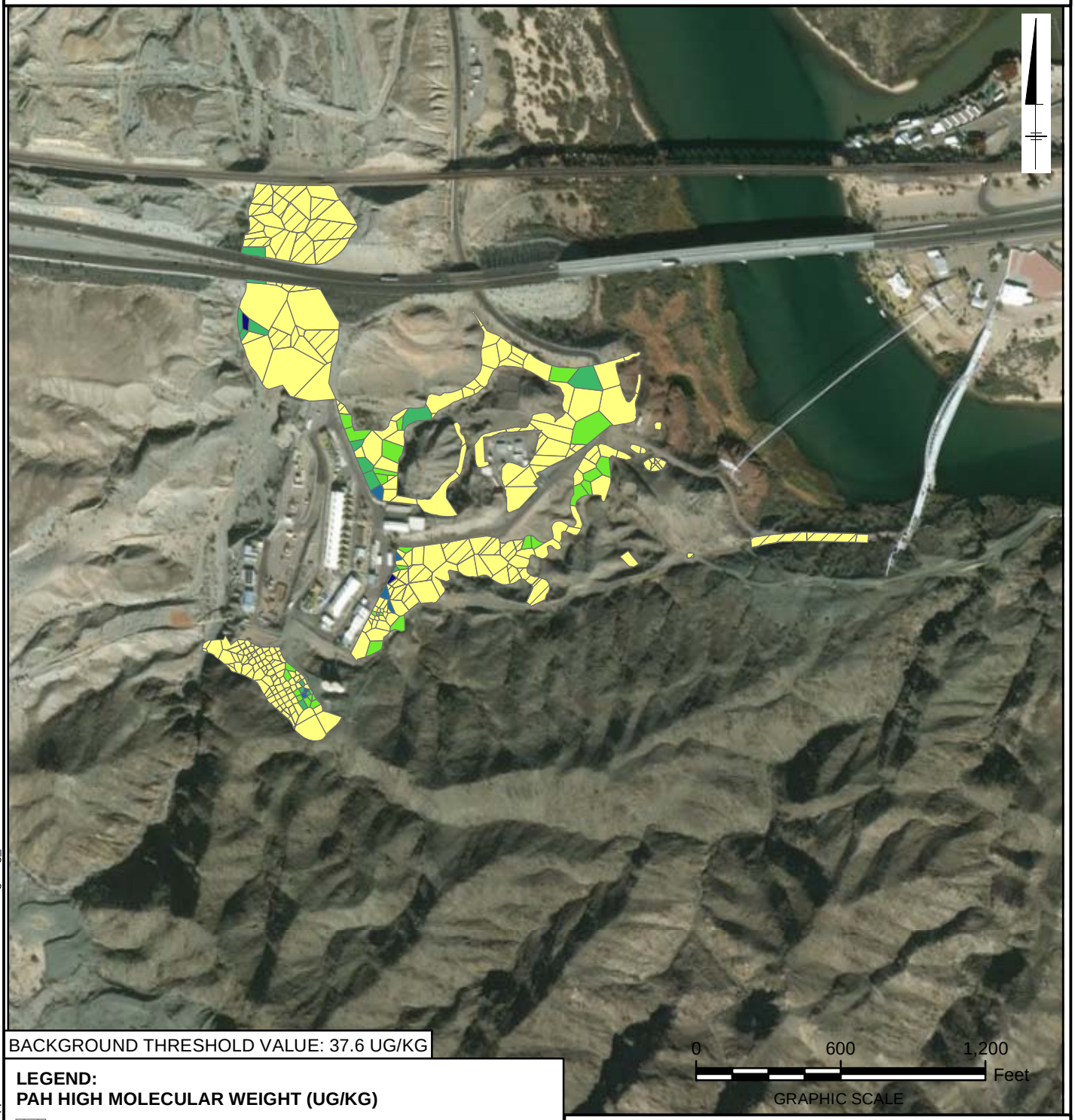
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.38

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 603.00
- ≥603.00 - 2490.00
- ≥2490.00 - 8070.00
- ≥8070.00 - 18200.00
- ≥18200.00 - 32900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

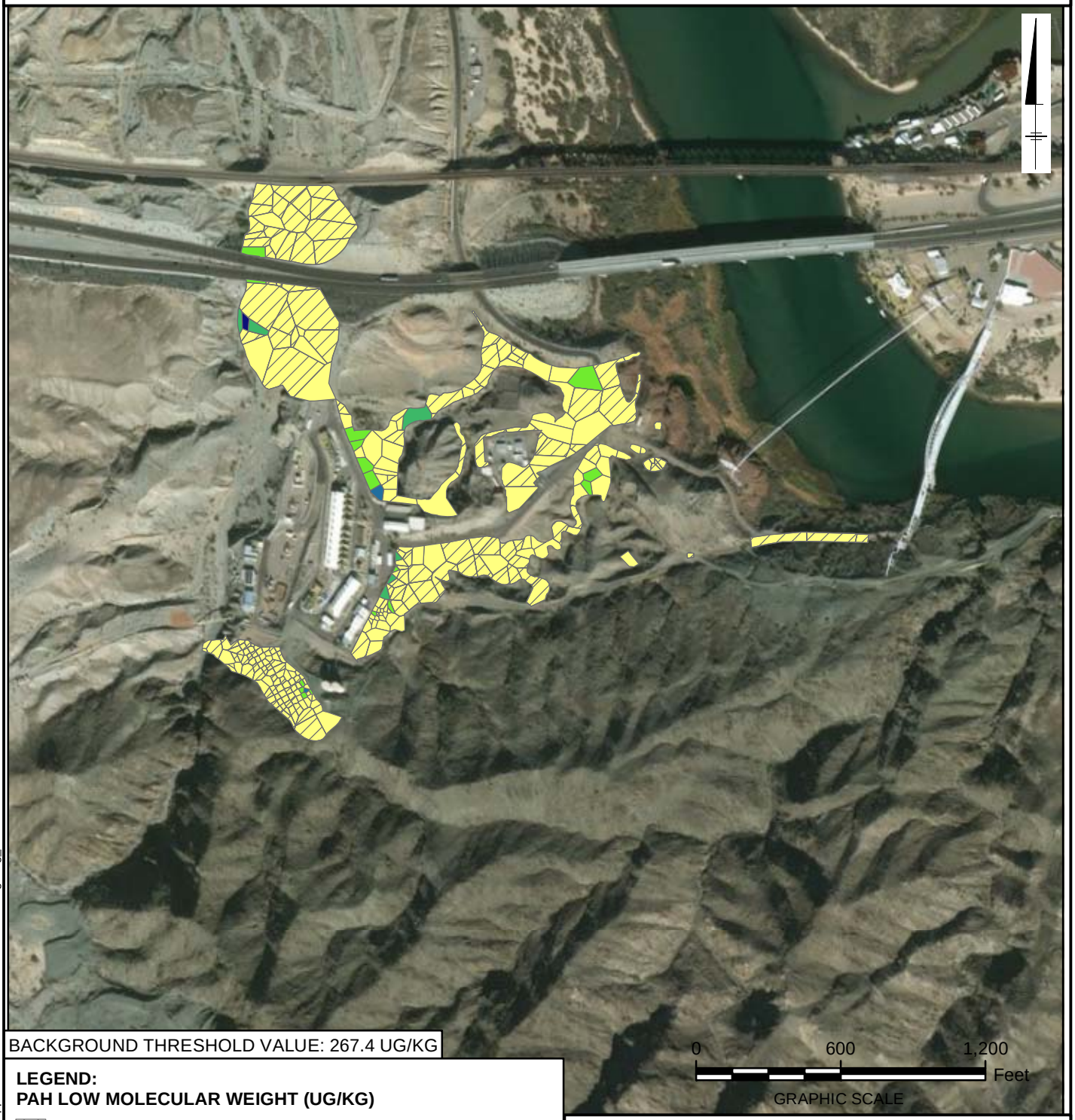
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.39

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 123.00
- ≥123.00 - 384.00
- ≥384.00 - 859.00
- ≥859.00 - 1380.00
- ≥1380.00 - 3880.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

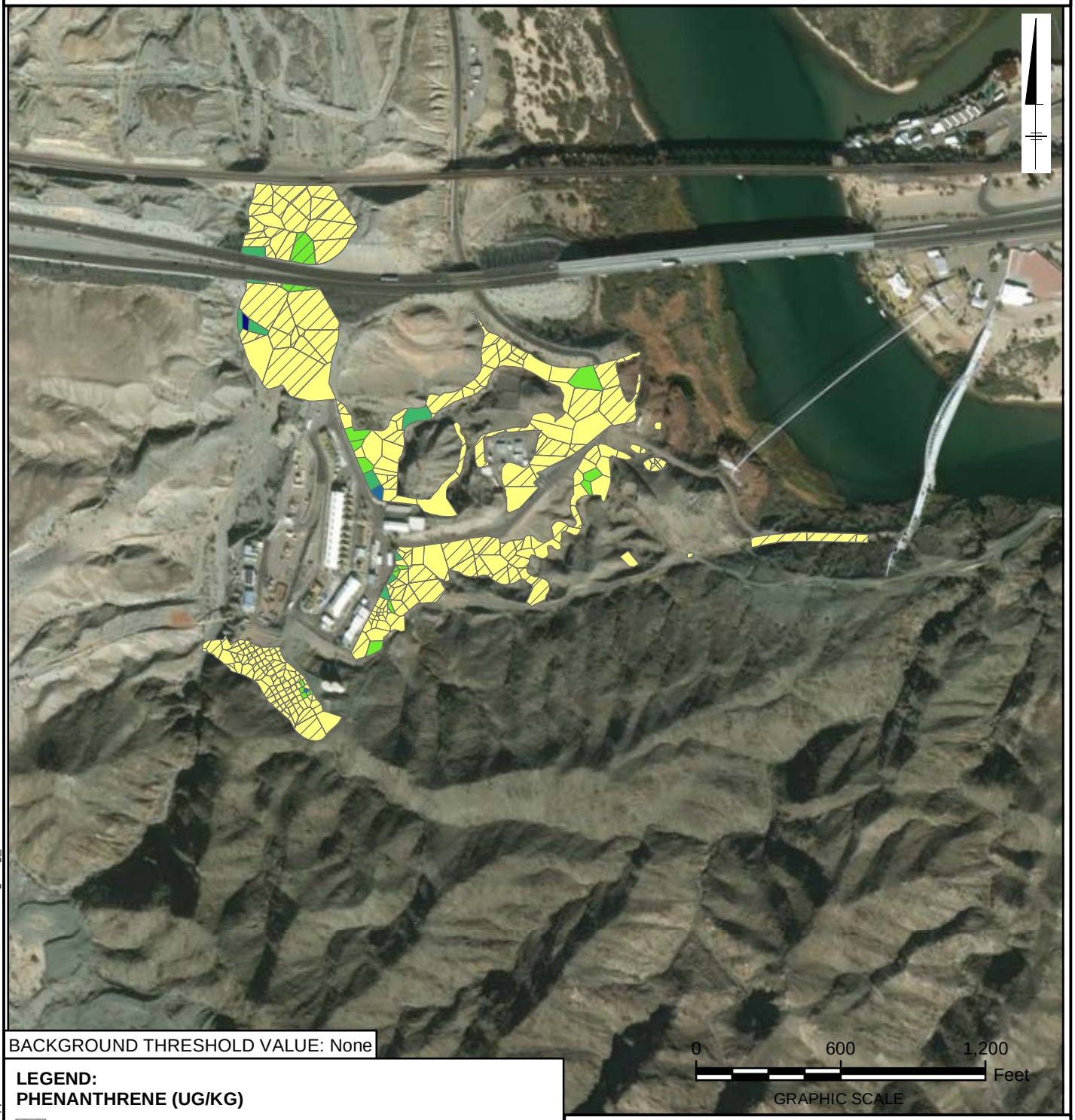
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.40

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 77.00
- ≥77.00 - 250.00
- ≥250.00 - 780.00
- ≥780.00 - 1300.00
- ≥1300.00 - 3100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

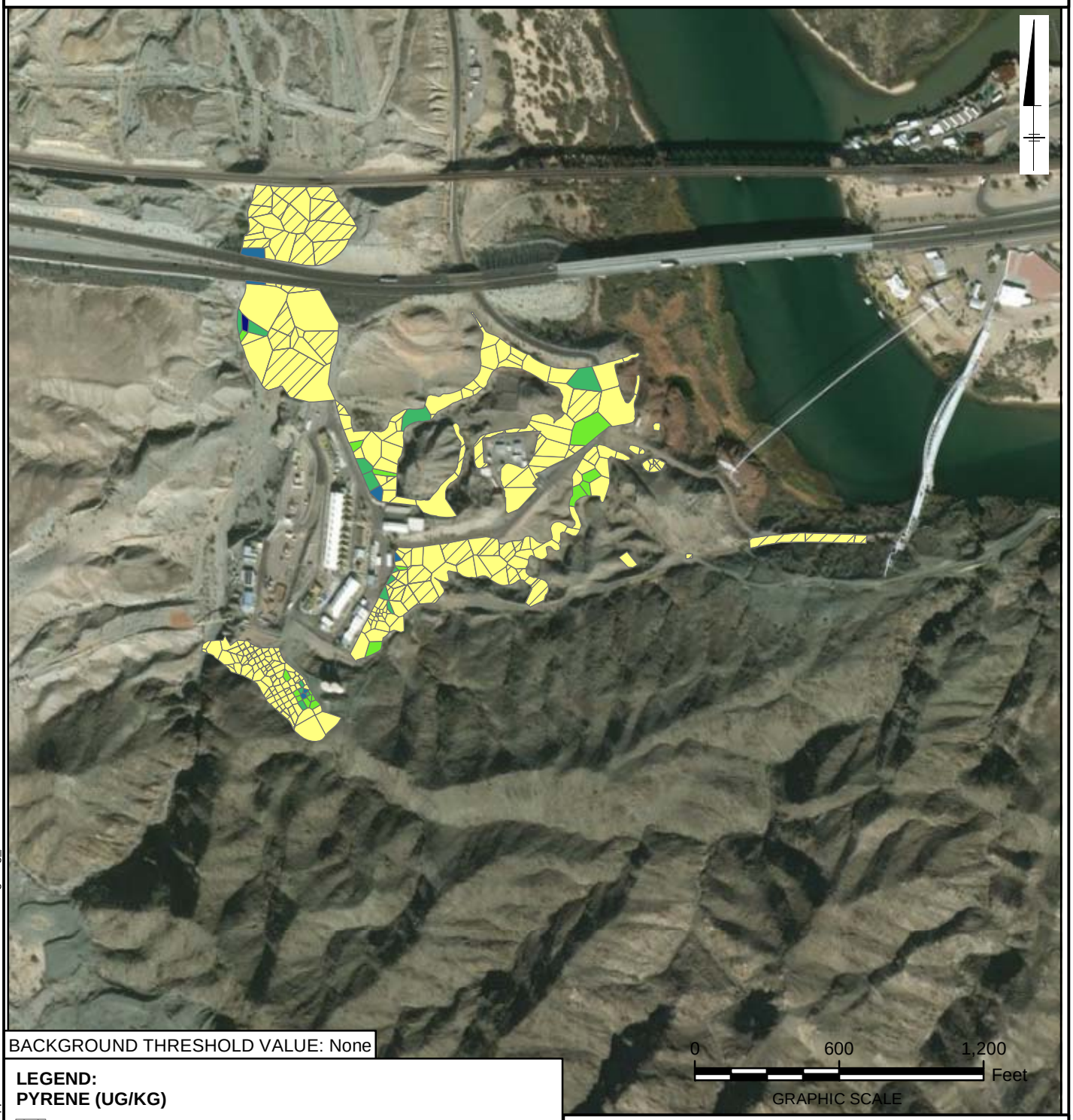
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.41

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 170.00
- ≥170.00 - 550.00
- ≥550.00 - 1600.00
- ≥1600.00 - 3400.00
- ≥3400.00 - 6600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

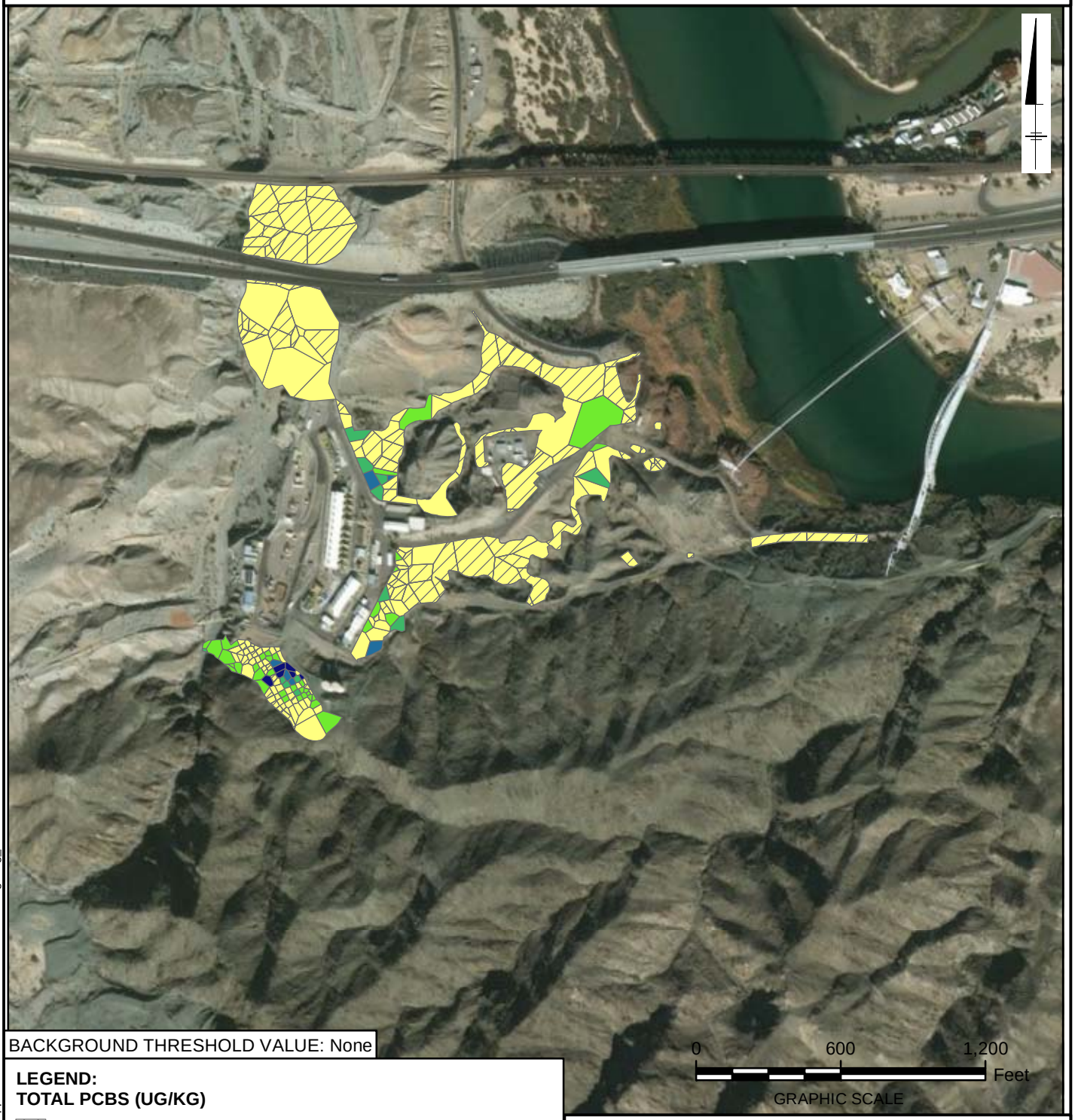
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A342

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 133.00
- ≥133.00 - 439.00
- ≥439.00 - 1010.00
- ≥1010.00 - 1960.00
- ≥1960.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

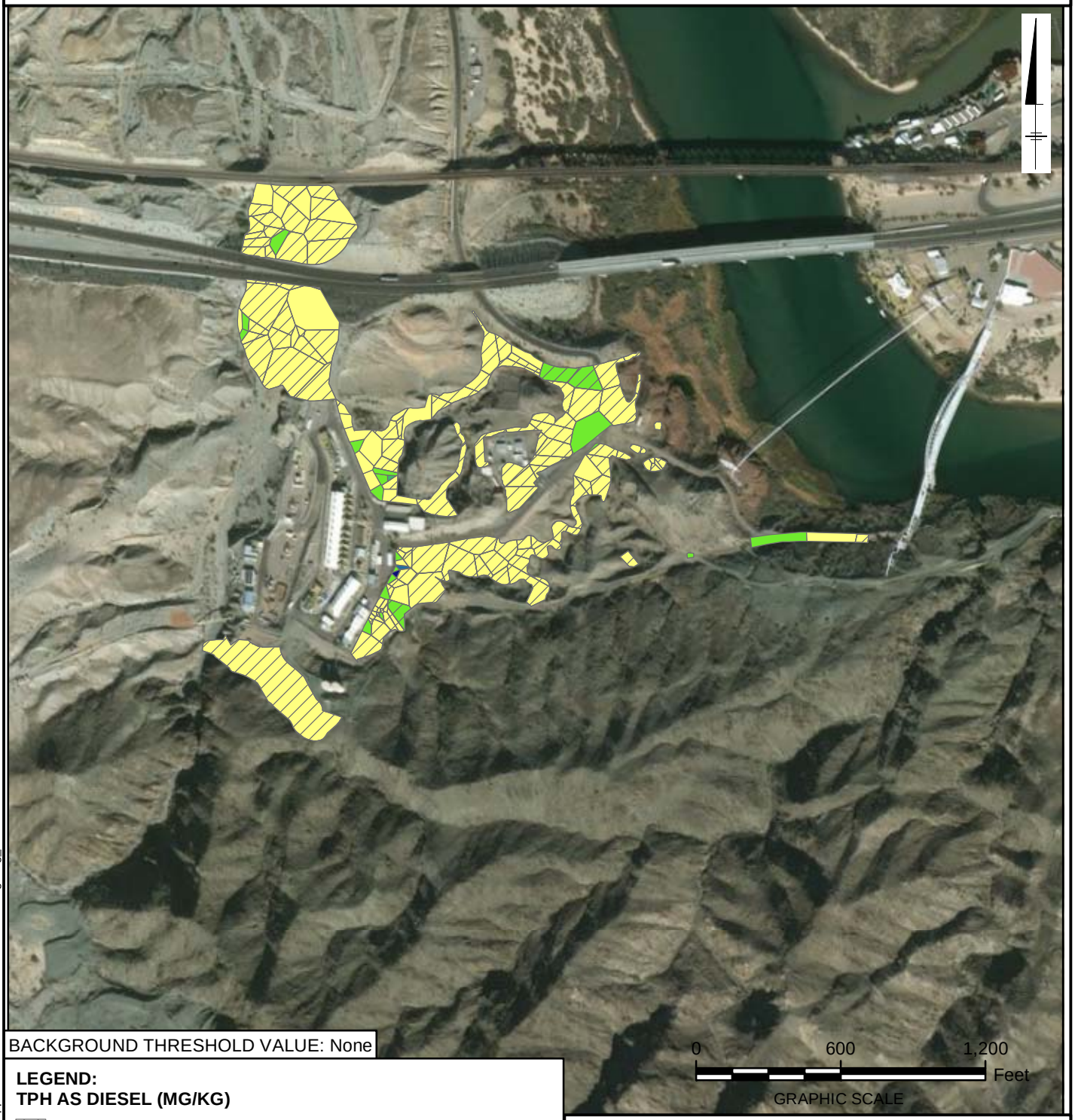
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A343

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 32.00
- ≥32.00 - 130.00
- ≥130.00 - 840.00
- ≥840.00 - 2100.00
- ≥2100.00 - 4000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

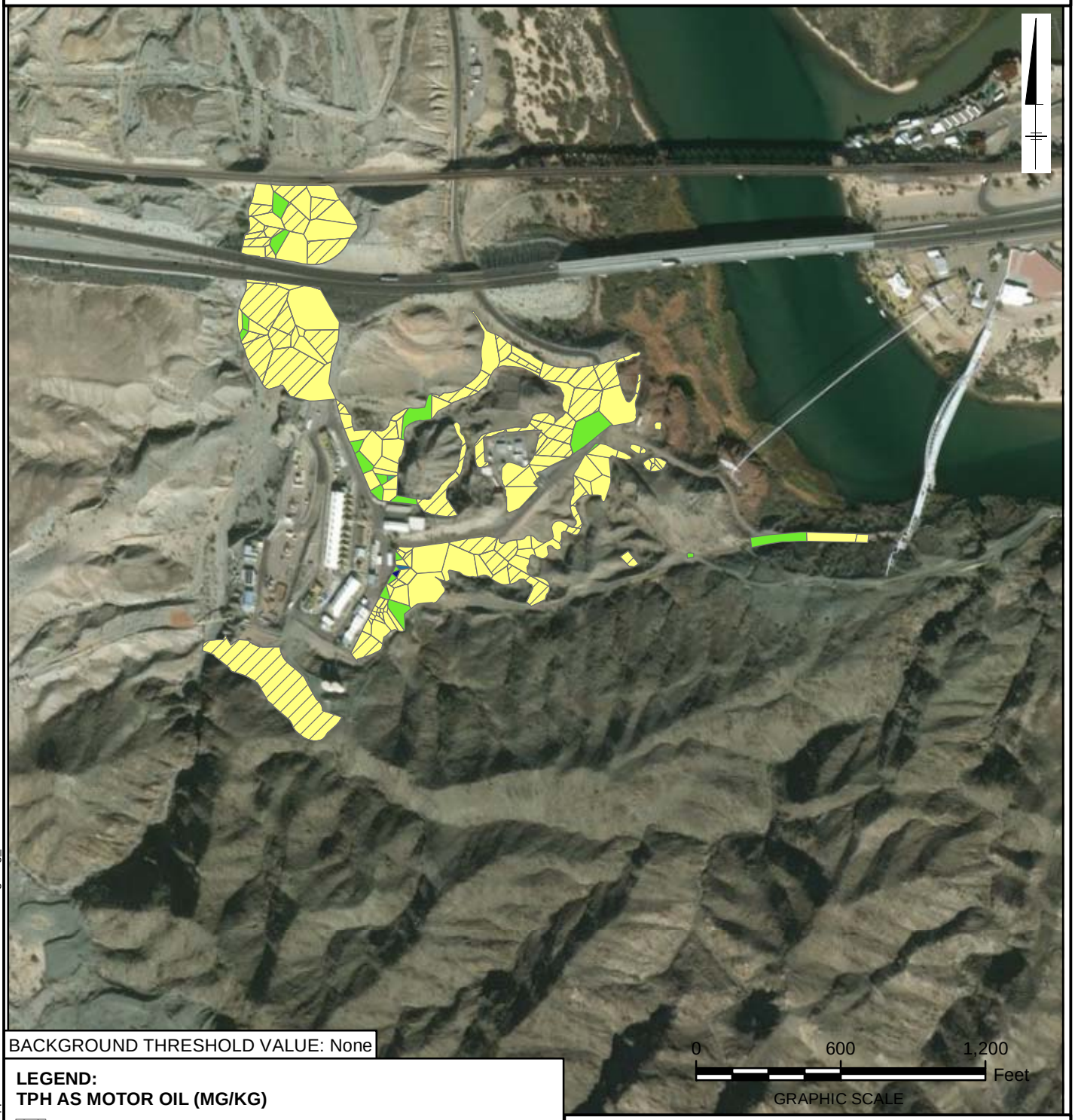
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.44

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 0.5 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 150.00
- ≥150.00 - 580.00
- ≥580.00 - 1400.00
- ≥1400.00 - 4900.00
- ≥4900.00 - 8900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

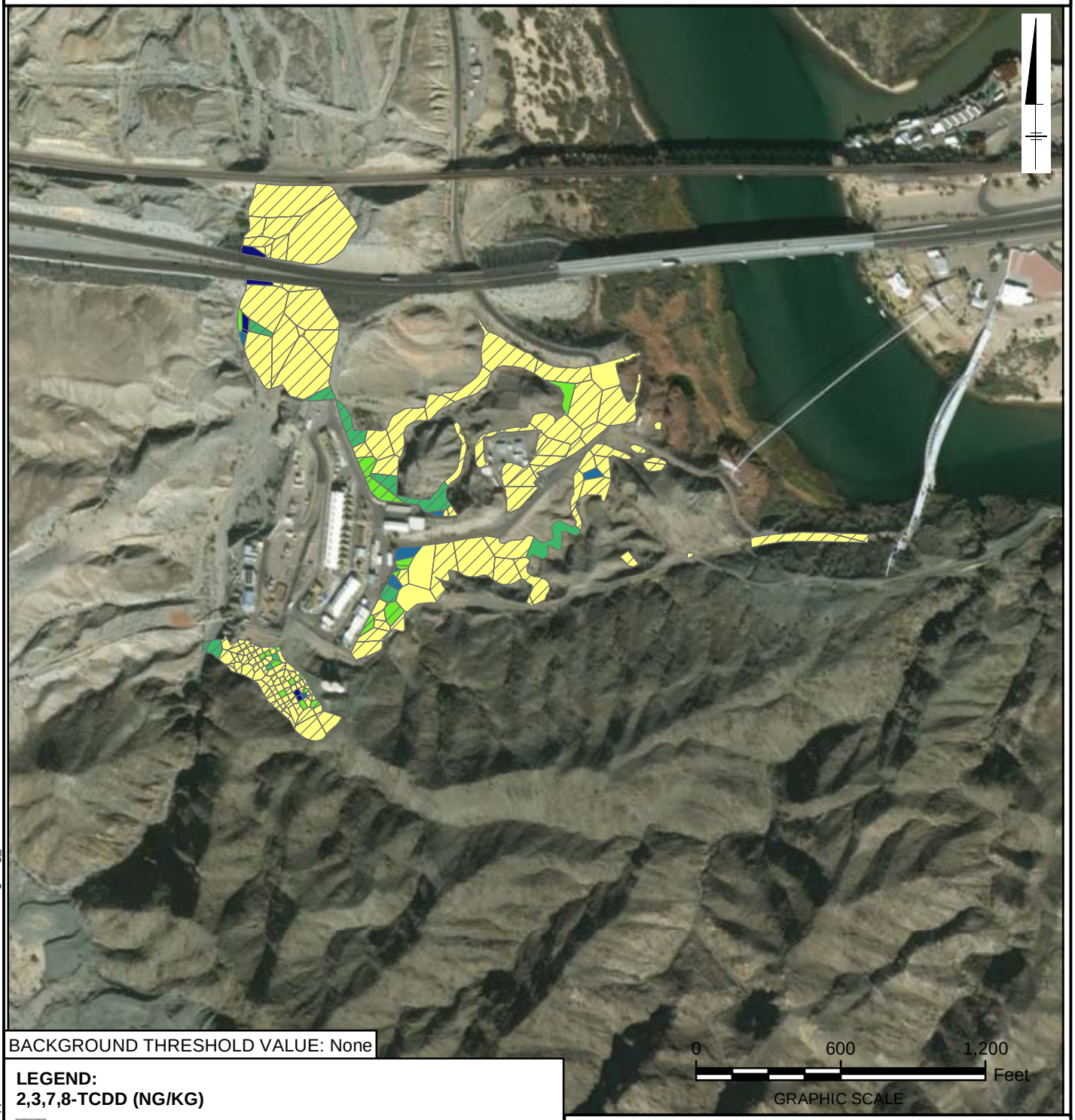
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A345

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.45
- ≥0.45 - 1.20
- ≥1.20 - 2.50
- ≥2.50 - 5.00
- ≥5.00 - 17.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

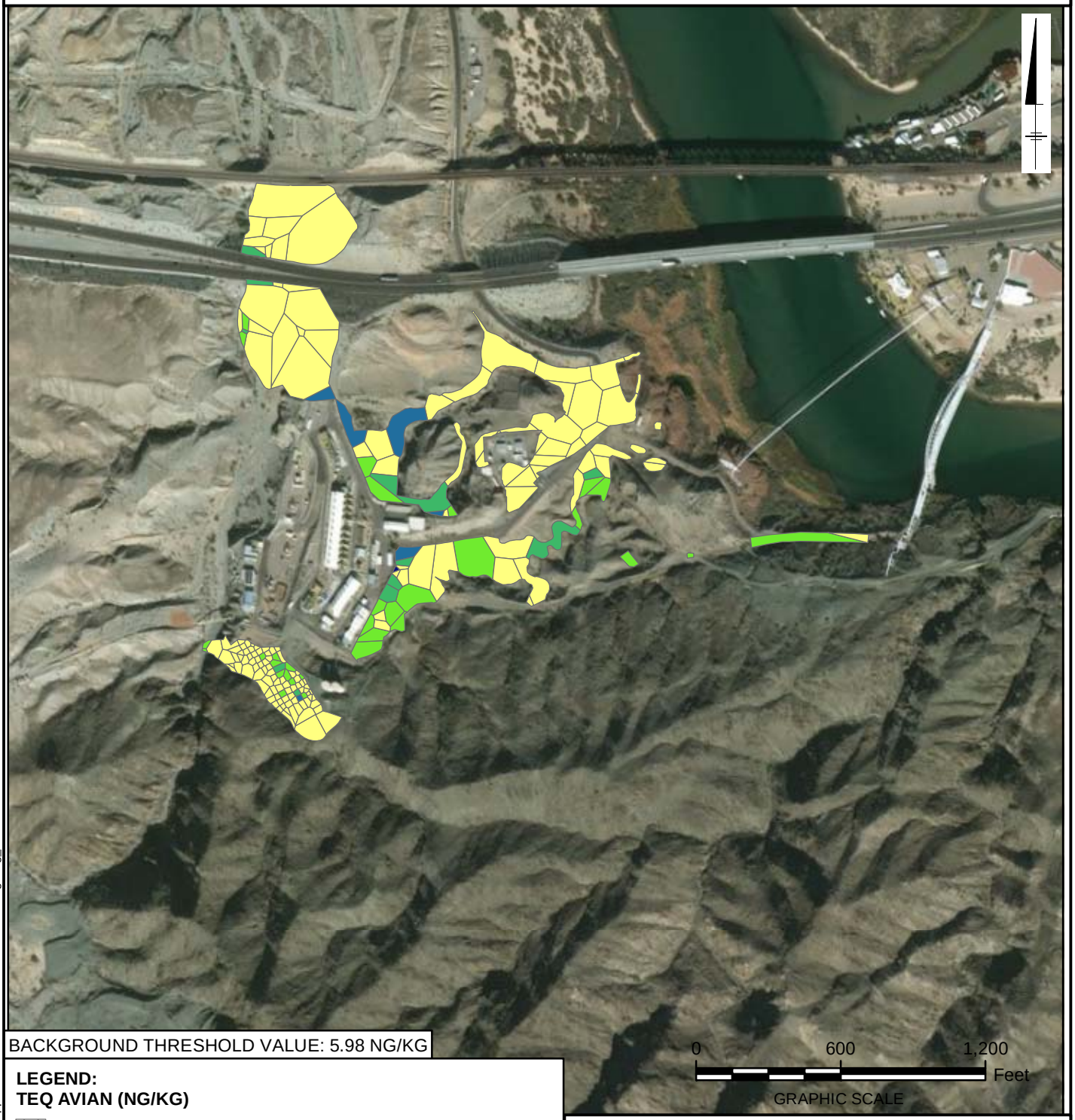
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.46

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 31.00
- ≥31.00 - 93.00
- ≥93.00 - 210.00
- ≥210.00 - 320.00
- ≥320.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

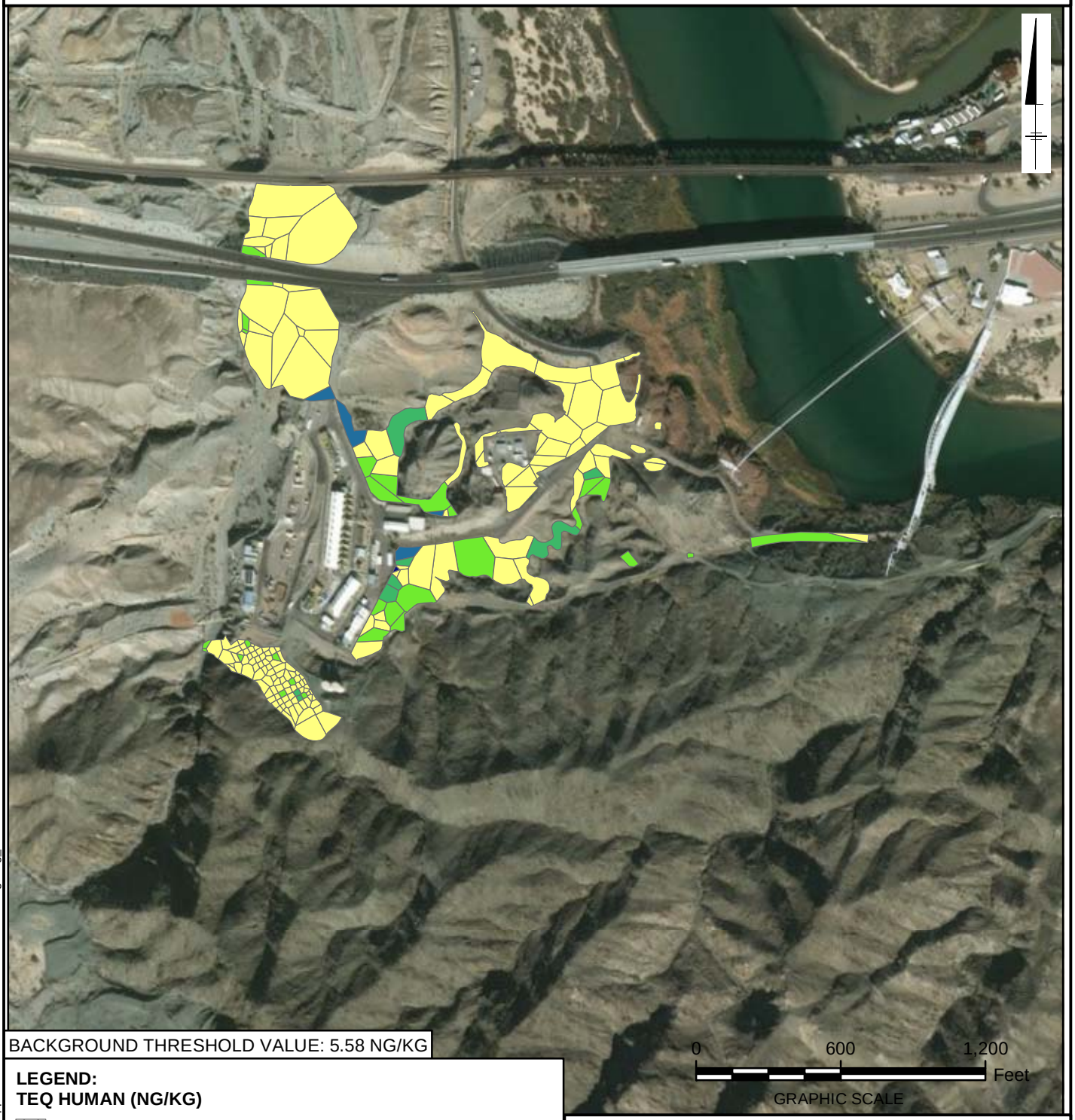
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.47

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 52.00
- ≥52.00 - 150.00
- ≥150.00 - 375.00
- ≥375.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

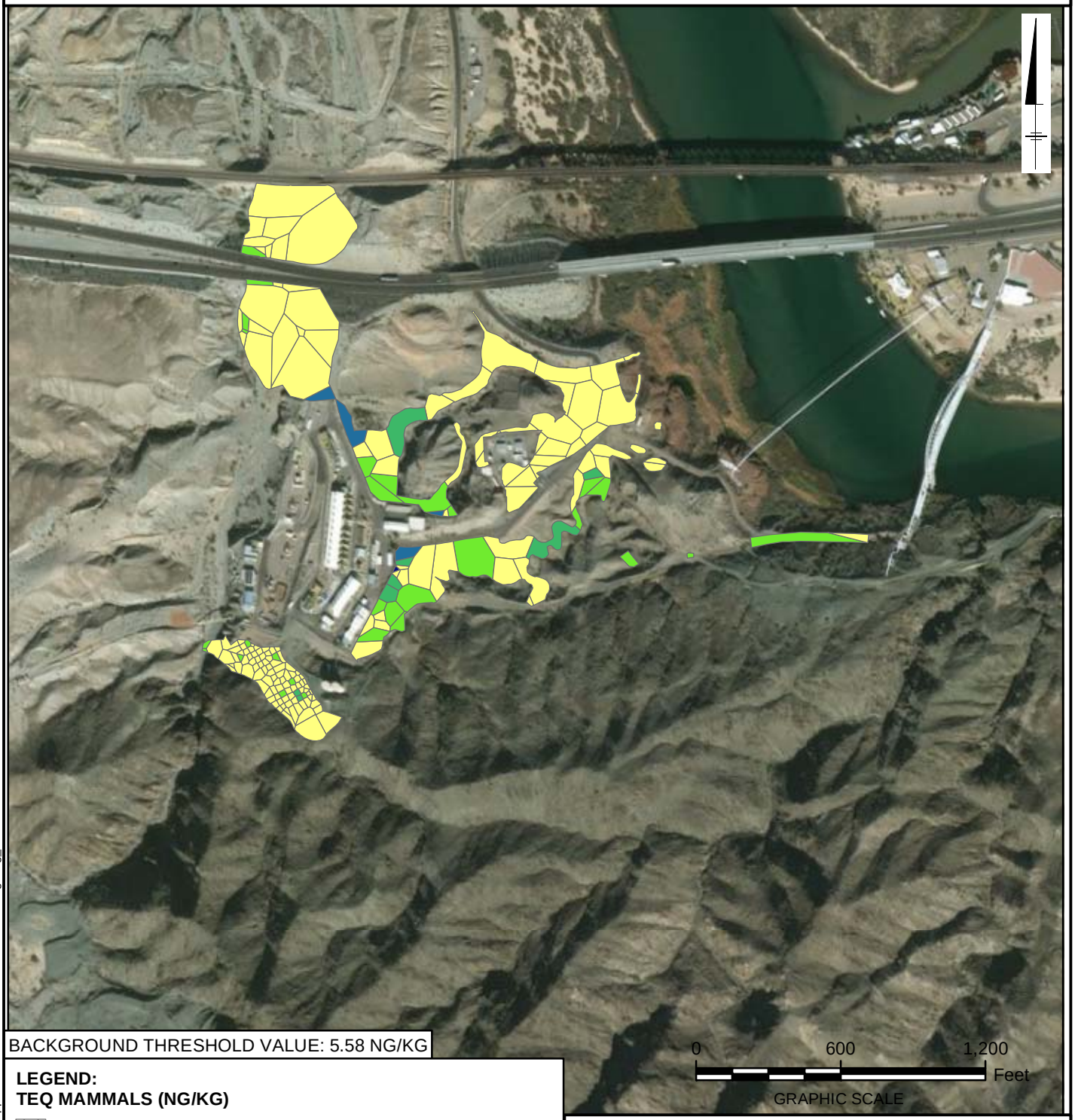
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A348

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 52.00
- ≥52.00 - 150.00
- ≥150.00 - 375.00
- ≥375.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

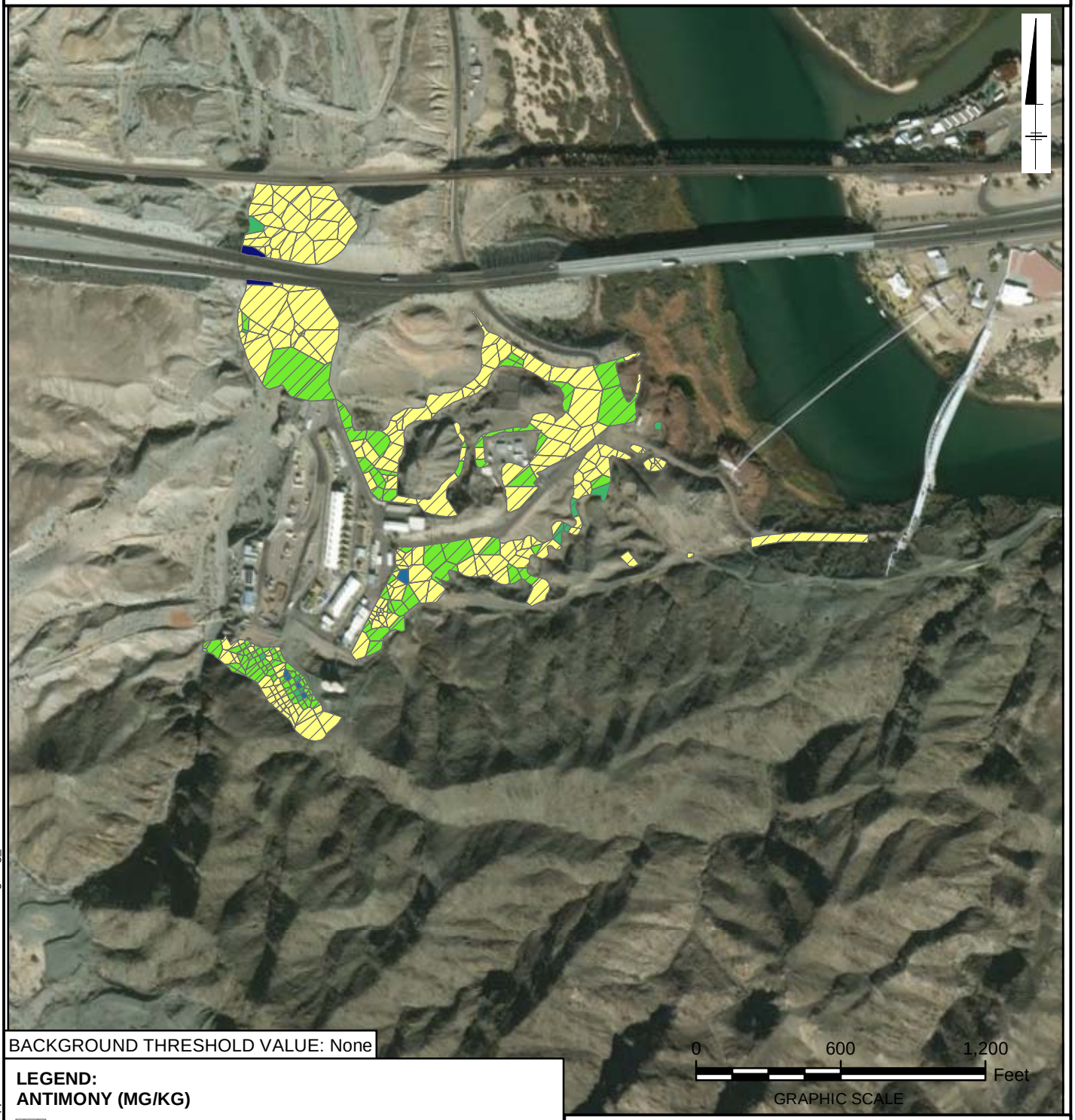
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A349

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 0.20 - 1.03
- ≥1.03 - 1.20
- ≥1.20 - 3.50
- ≥3.50 - 10.30
- ≥10.30 - 19.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

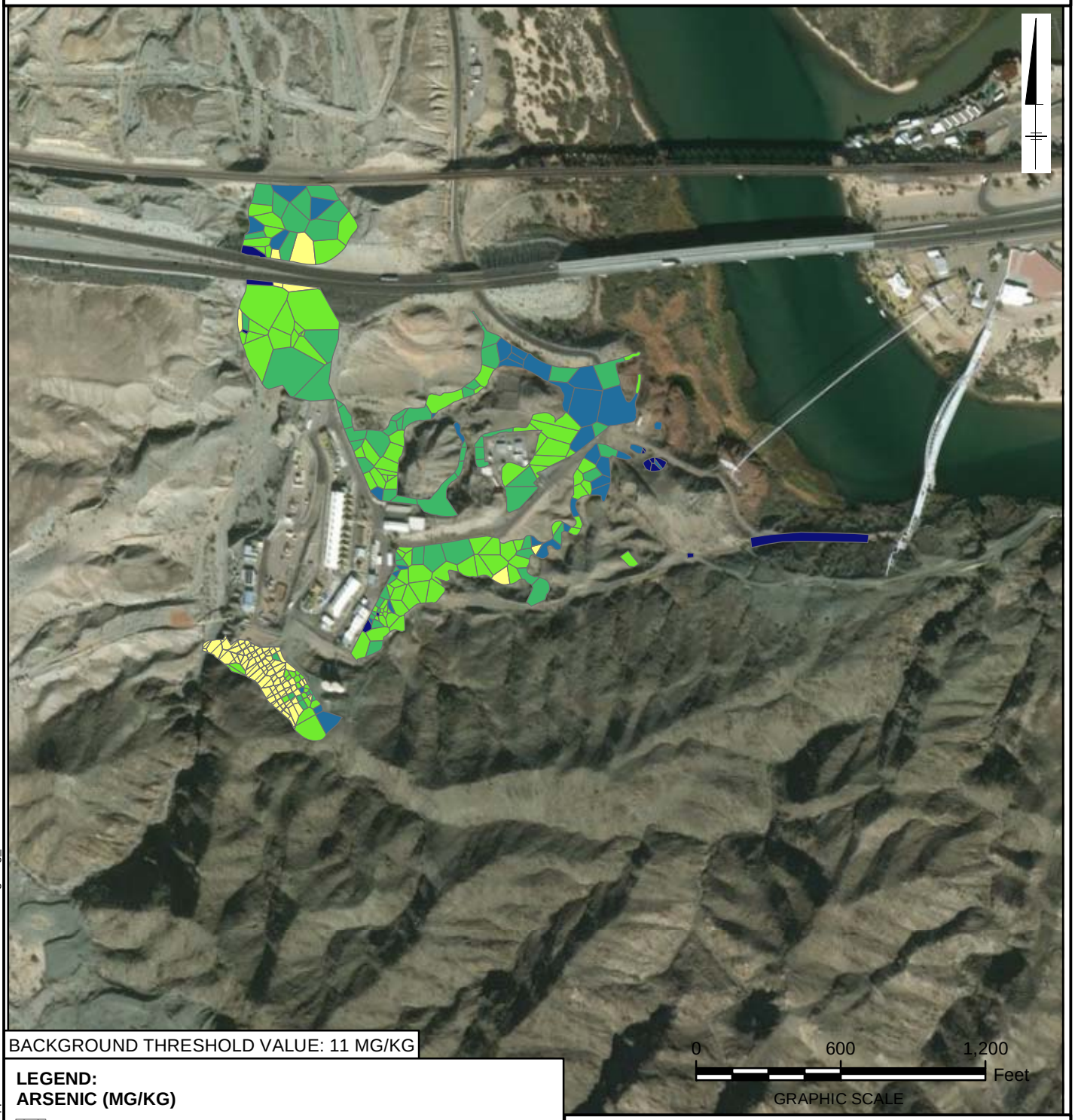
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.50

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.80
- ≥1.80 - 4.10
- ≥4.10 - 6.37
- ≥6.37 - 9.53
- ≥9.53 - 21.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

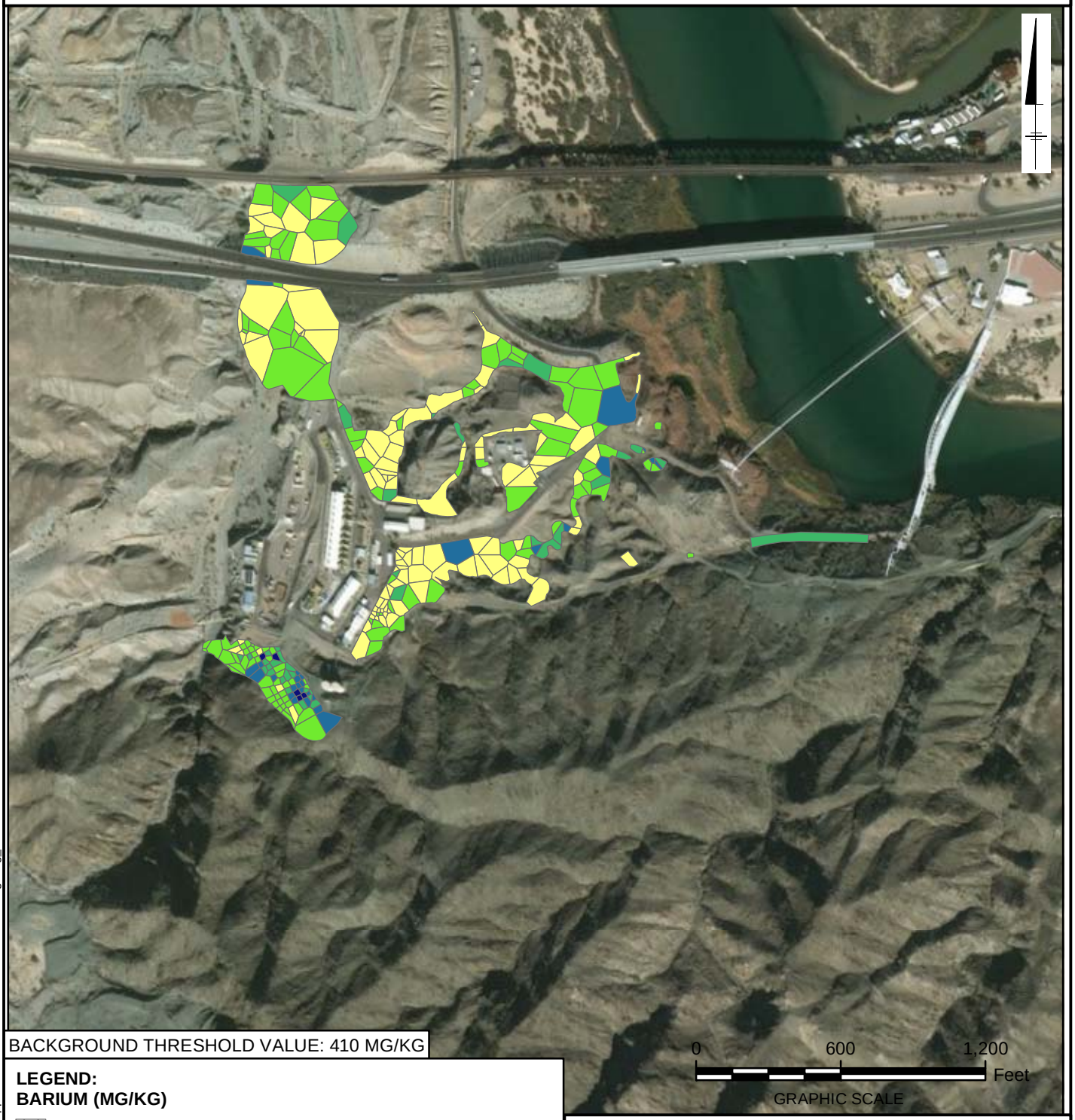
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.51

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 55.70 - 133.00
- ≥133.00 - 220.00
- ≥220.00 - 340.00
- ≥340.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

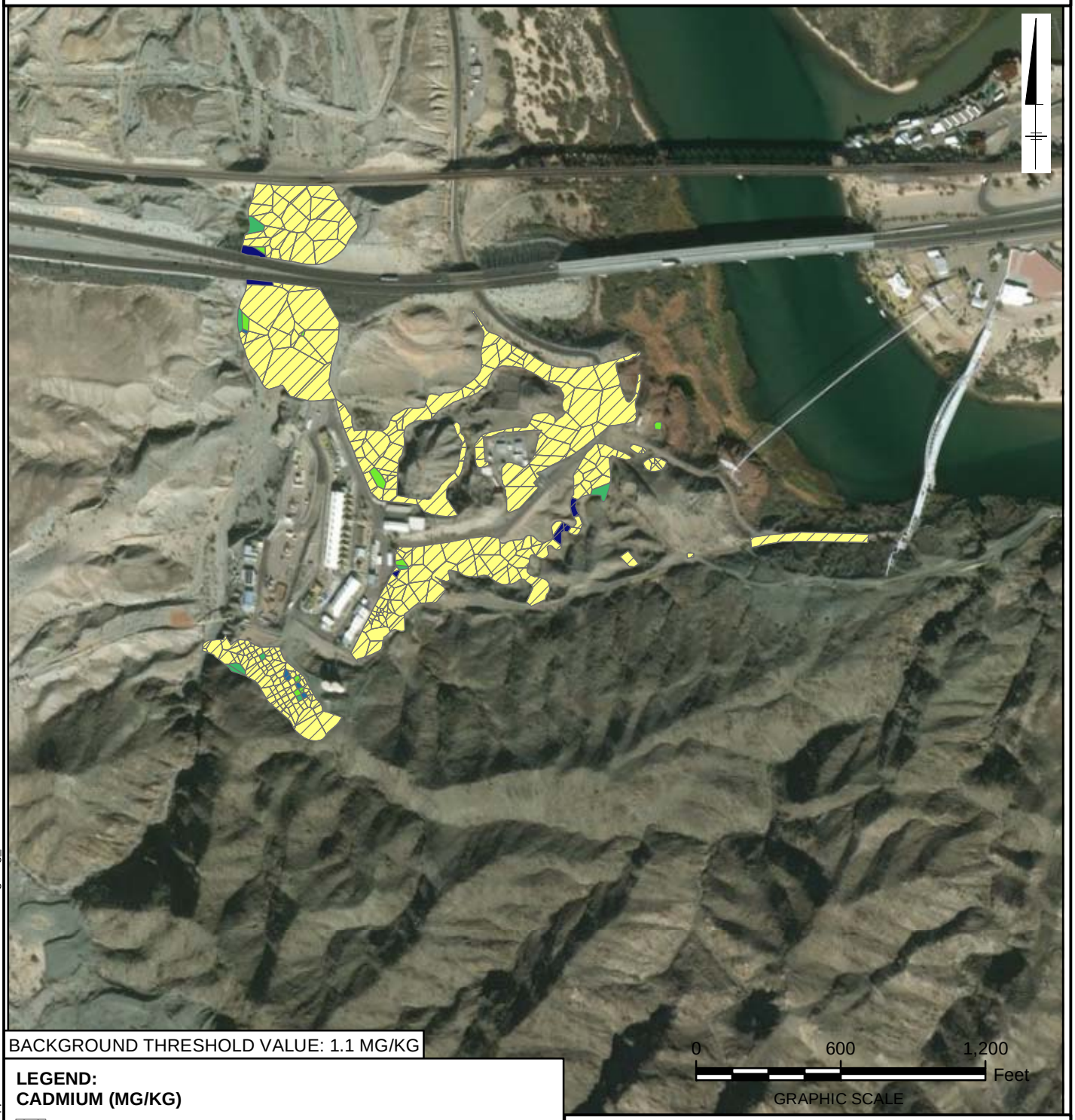
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.52

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.30 - 0.71
- ≥0.71 - 1.20
- ≥1.20 - 2.03
- ≥2.03 - 2.75
- ≥2.75 - 7.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

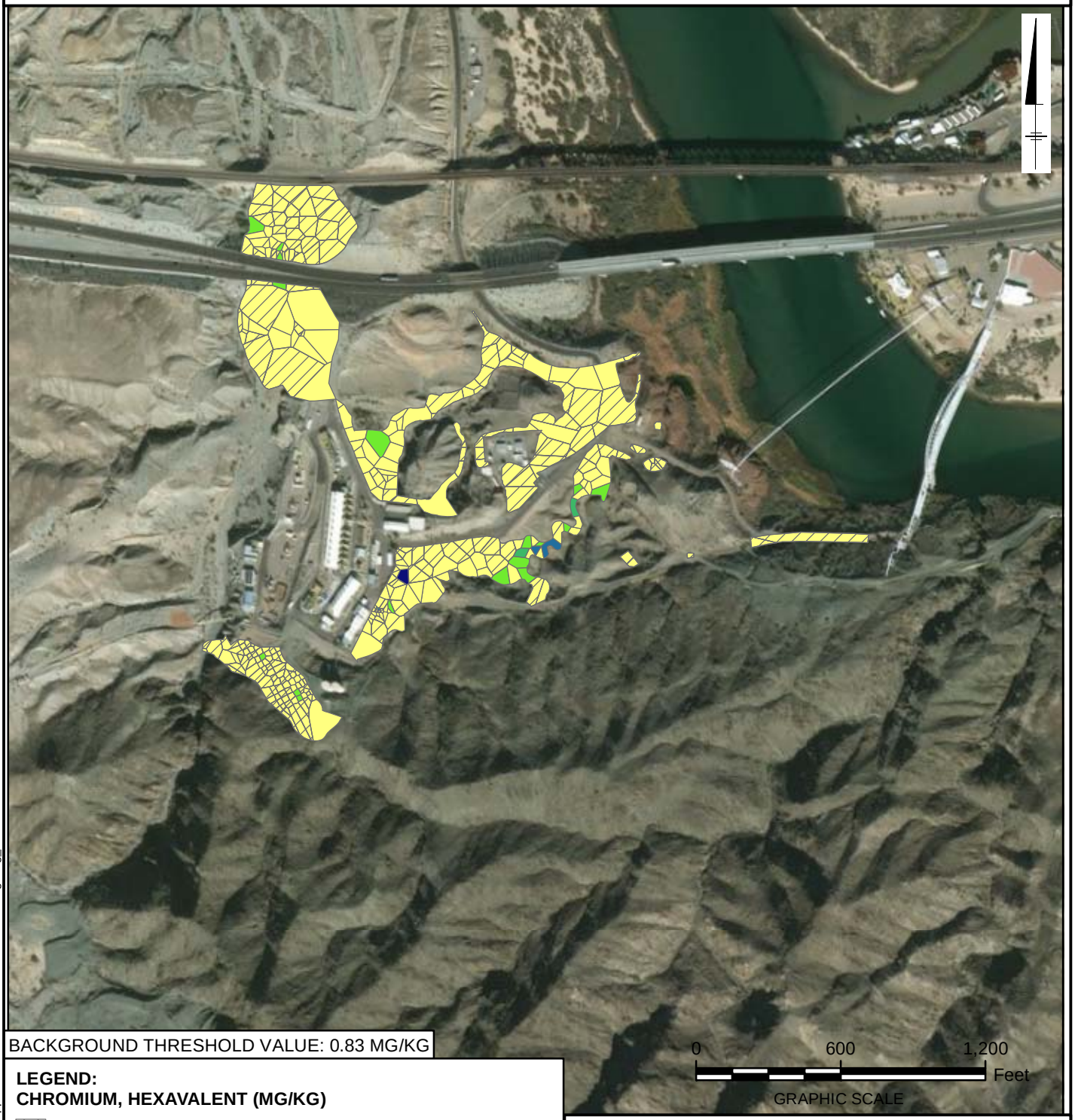
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.53

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.10 - 4.83
- ≥4.83 - 19.10
- ≥19.10 - 41.00
- ≥41.00 - 150.00
- ≥150.00 - 1800.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

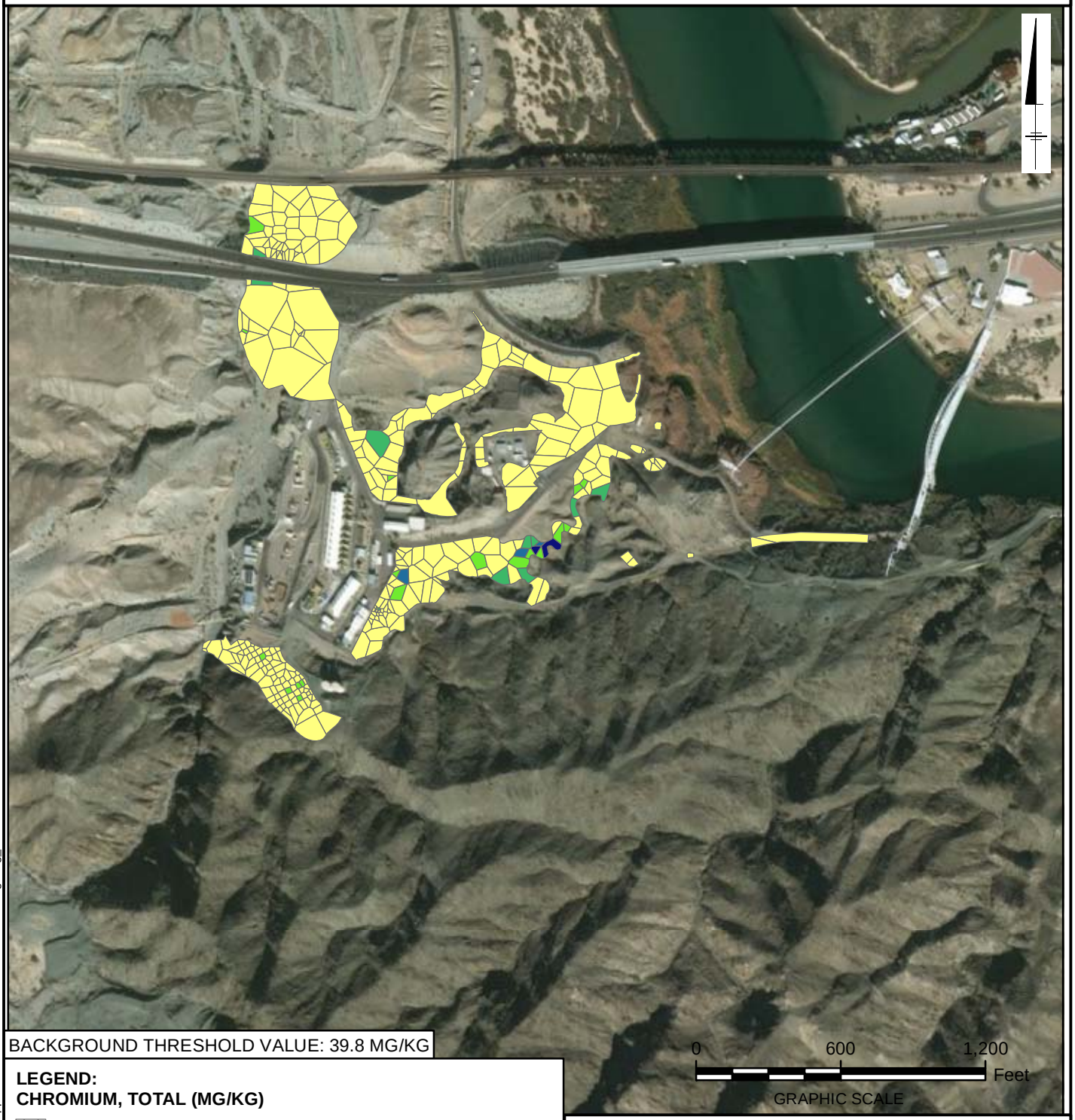
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.54

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 5.63 - 89.30
- ≥89.30 - 243.00
- ≥243.00 - 652.00
- ≥652.00 - 1880.00
- ≥1880.00 - 4000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

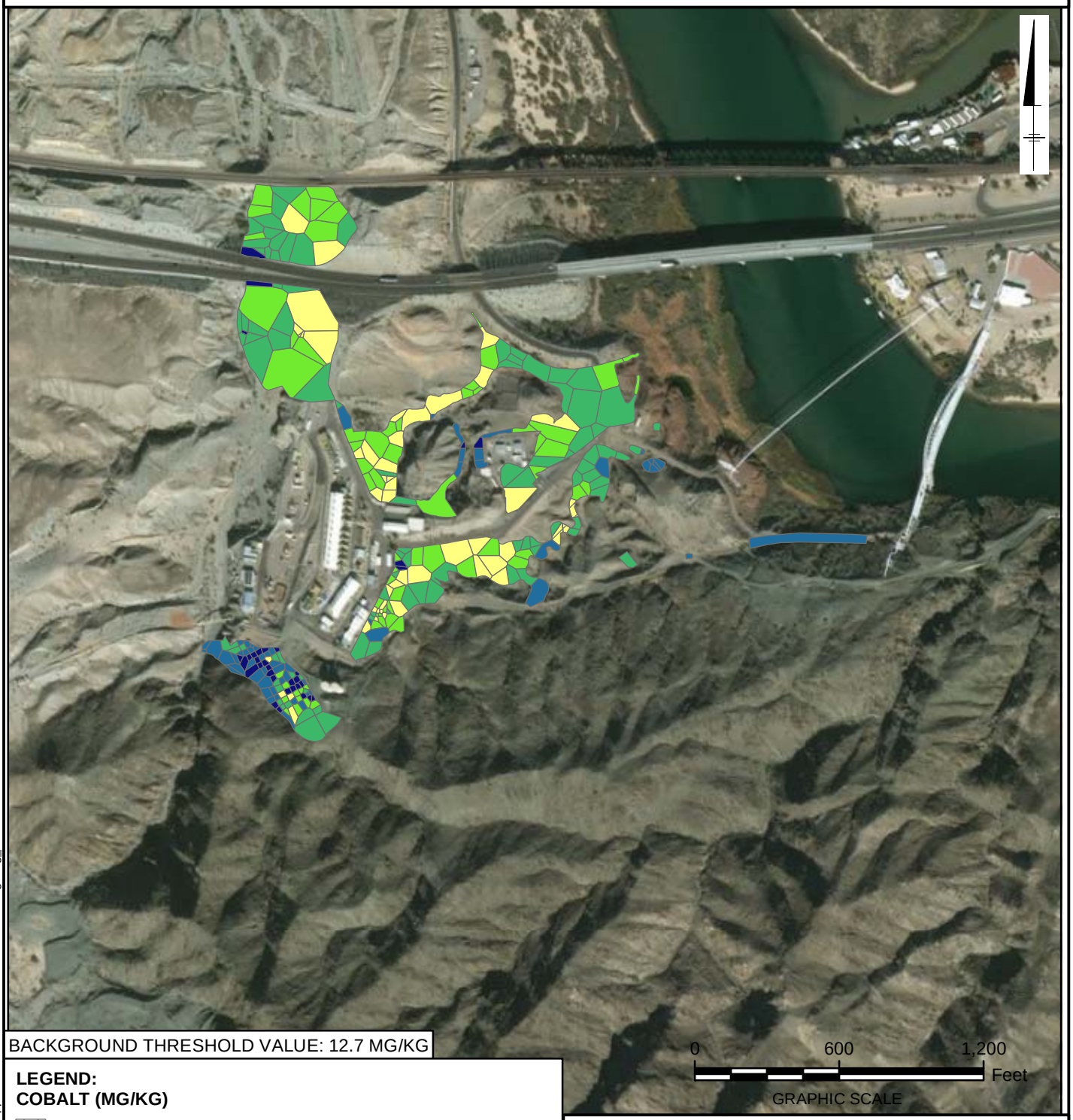
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.55

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 2.20 - 4.57
- ≥4.57 - 6.20
- ≥6.20 - 8.20
- ≥8.20 - 11.00
- ≥11.00 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

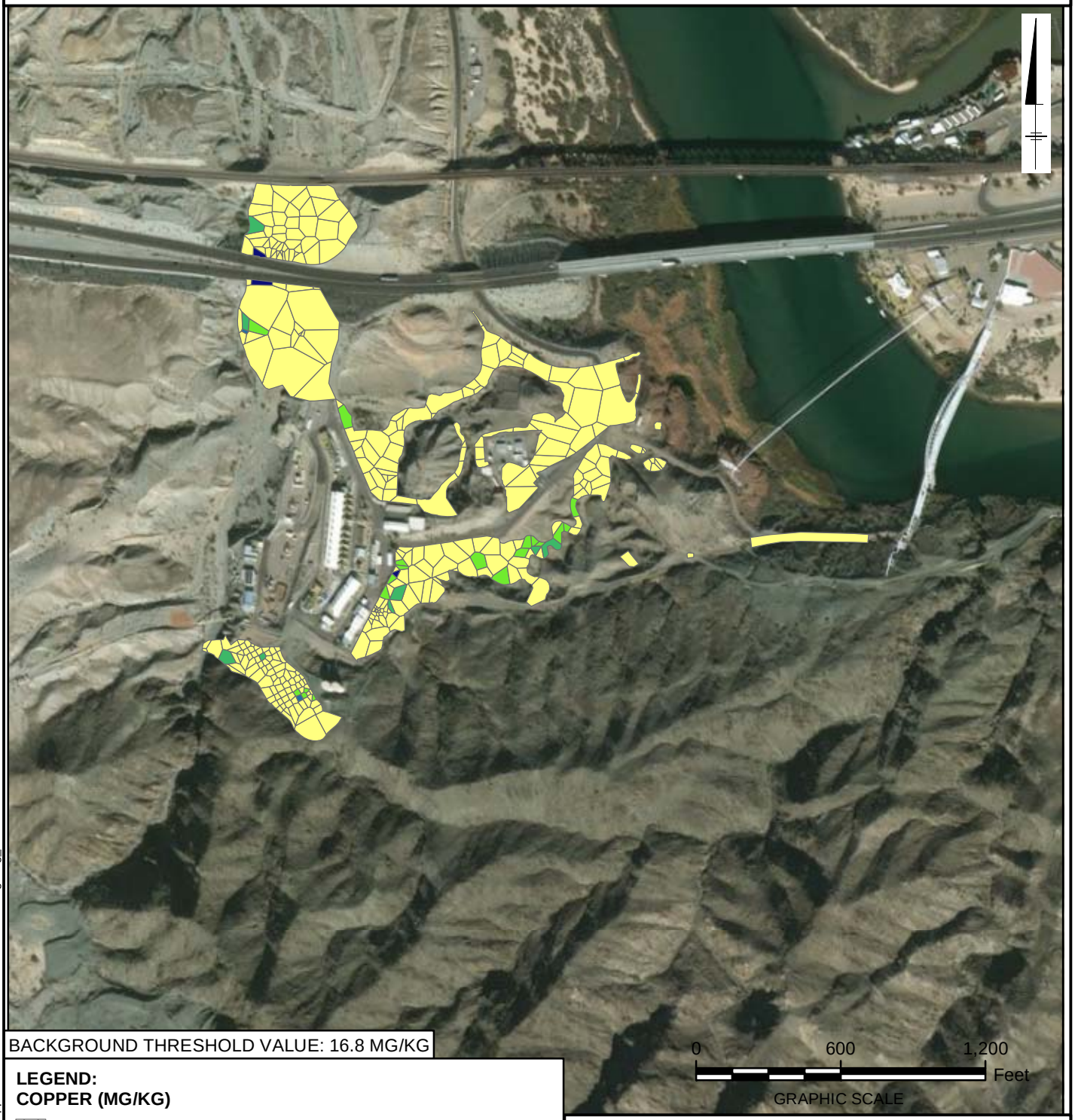
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.56

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 1.80 - 40.50
- ≥40.50 - 160.00
- ≥160.00 - 438.00
- ≥438.00 - 790.00
- ≥790.00 - 2070.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

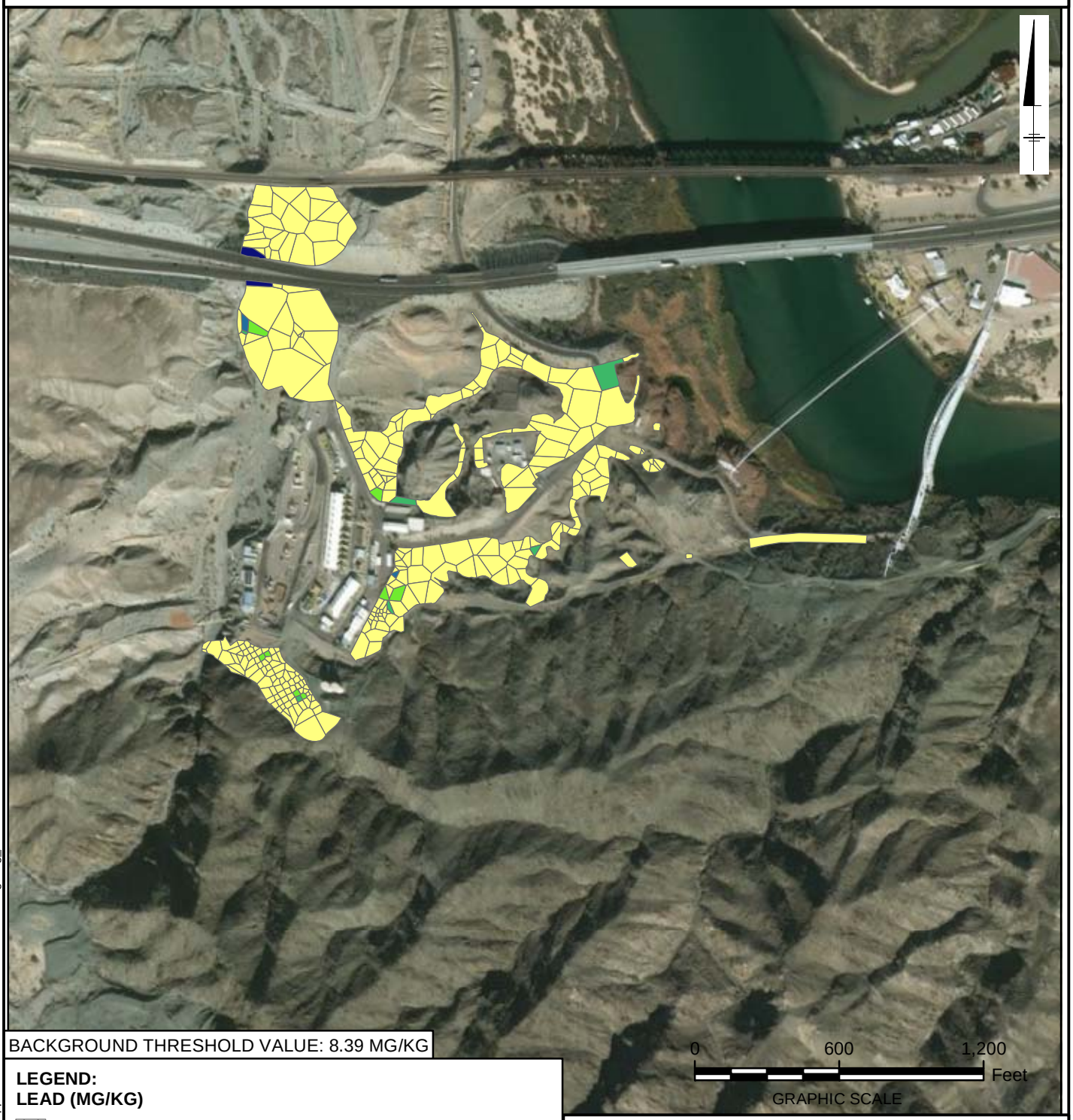
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.57

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.50 - 38.50
- ≥38.50 - 112.00
- ≥112.00 - 303.00
- ≥303.00 - 614.00
- ≥614.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

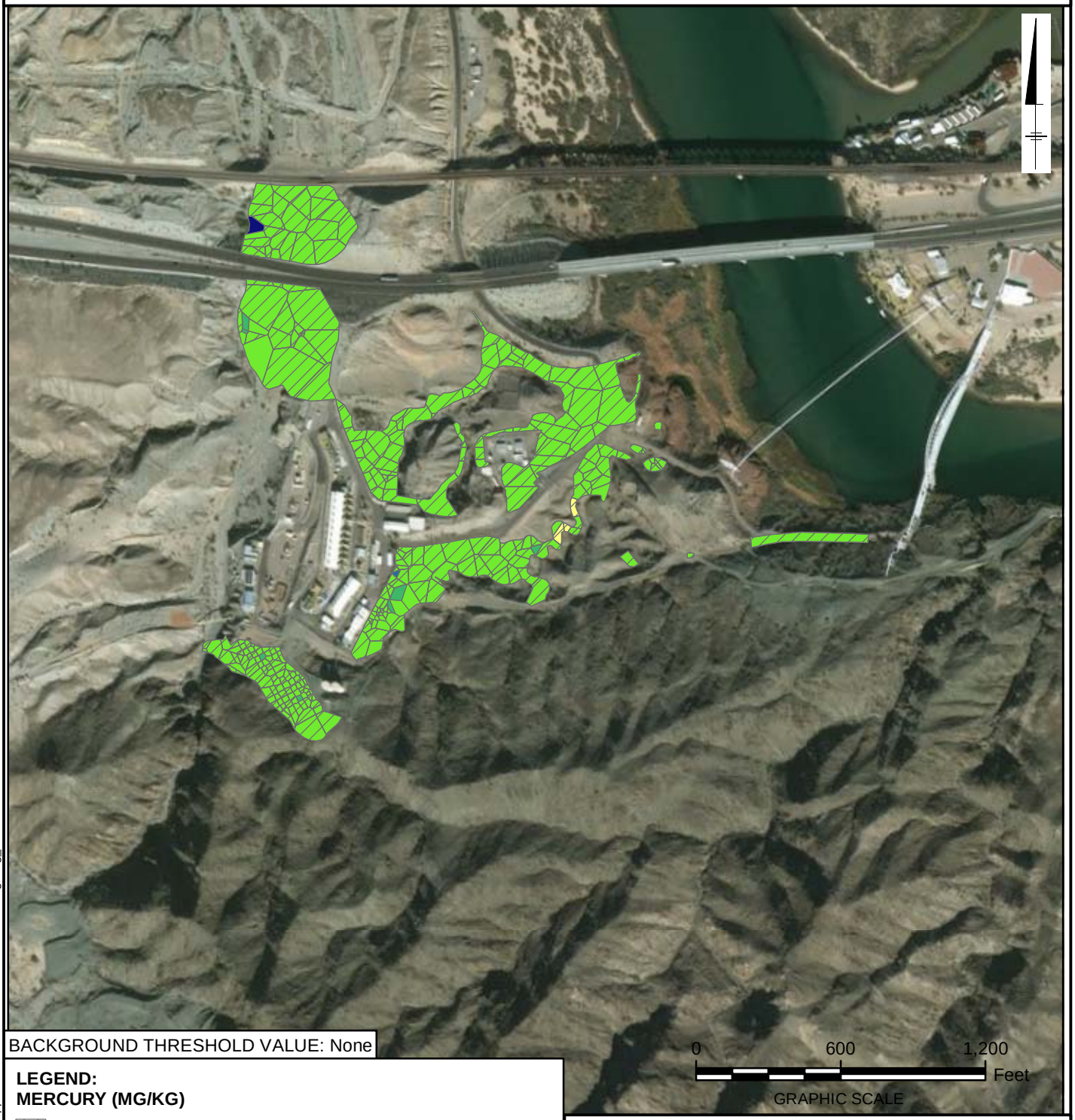
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.58

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PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.01
- ≥0.01 - 0.29
- ≥0.29 - 1.18
- ≥1.18 - 23.30
- ≥23.30 - 60.30

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

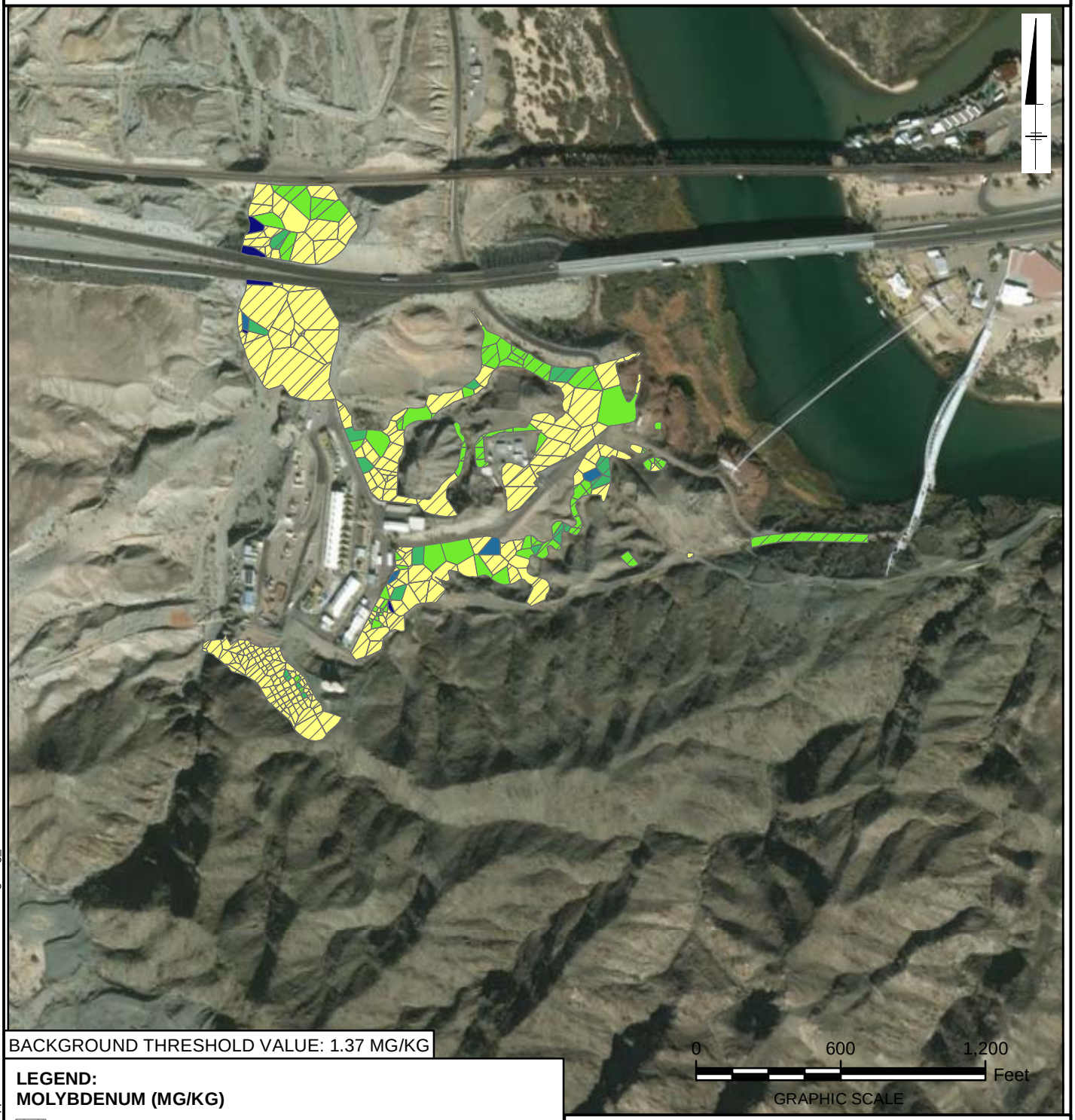
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.59

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PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.83
- ≥0.83 - 1.70
- ≥1.70 - 3.50
- ≥3.50 - 12.10
- ≥12.10 - 21.30

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

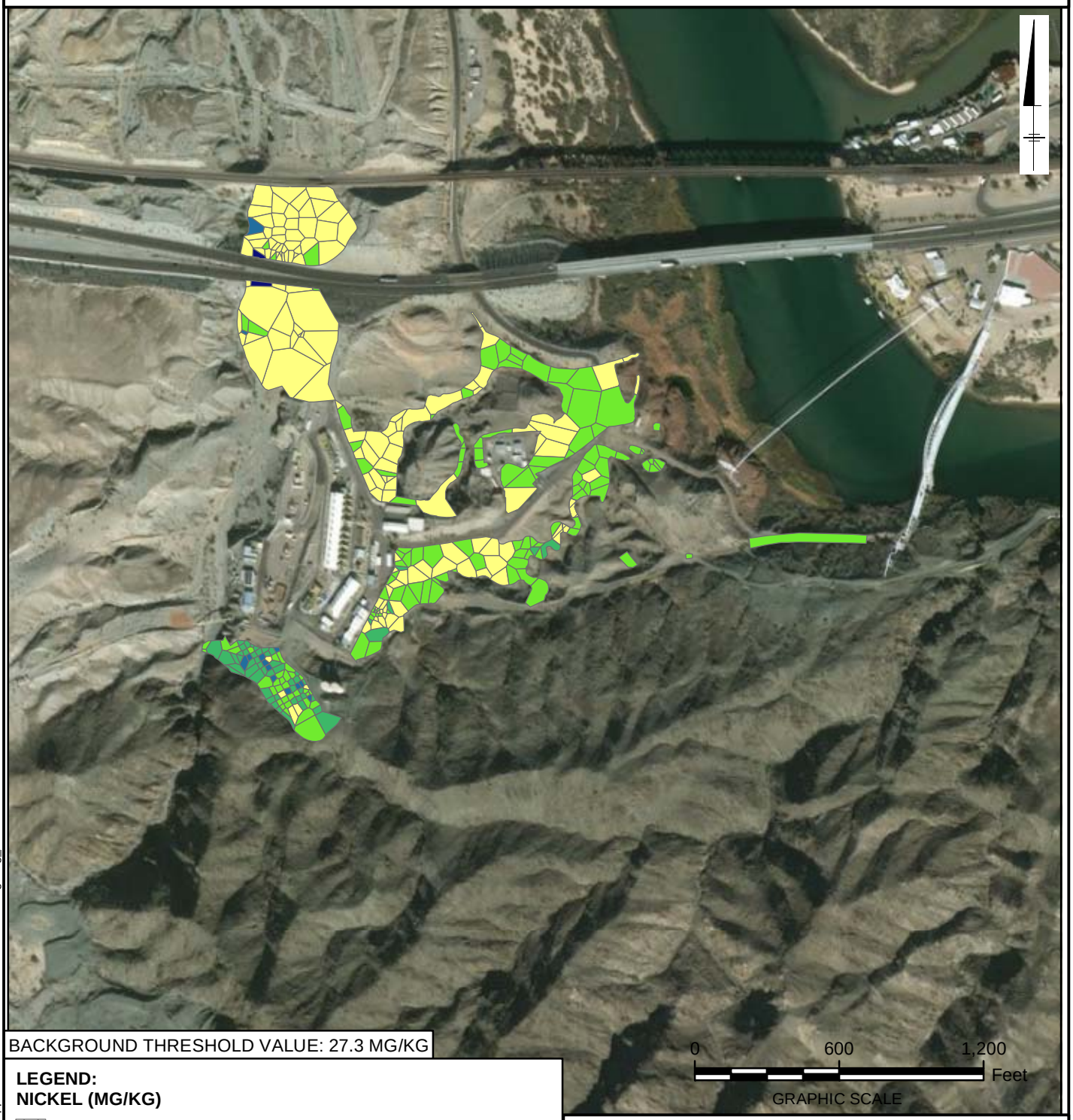
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.60

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 12.70
- ≥12.70 - 23.00
- ≥23.00 - 41.00
- ≥41.00 - 75.00
- ≥75.00 - 270.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

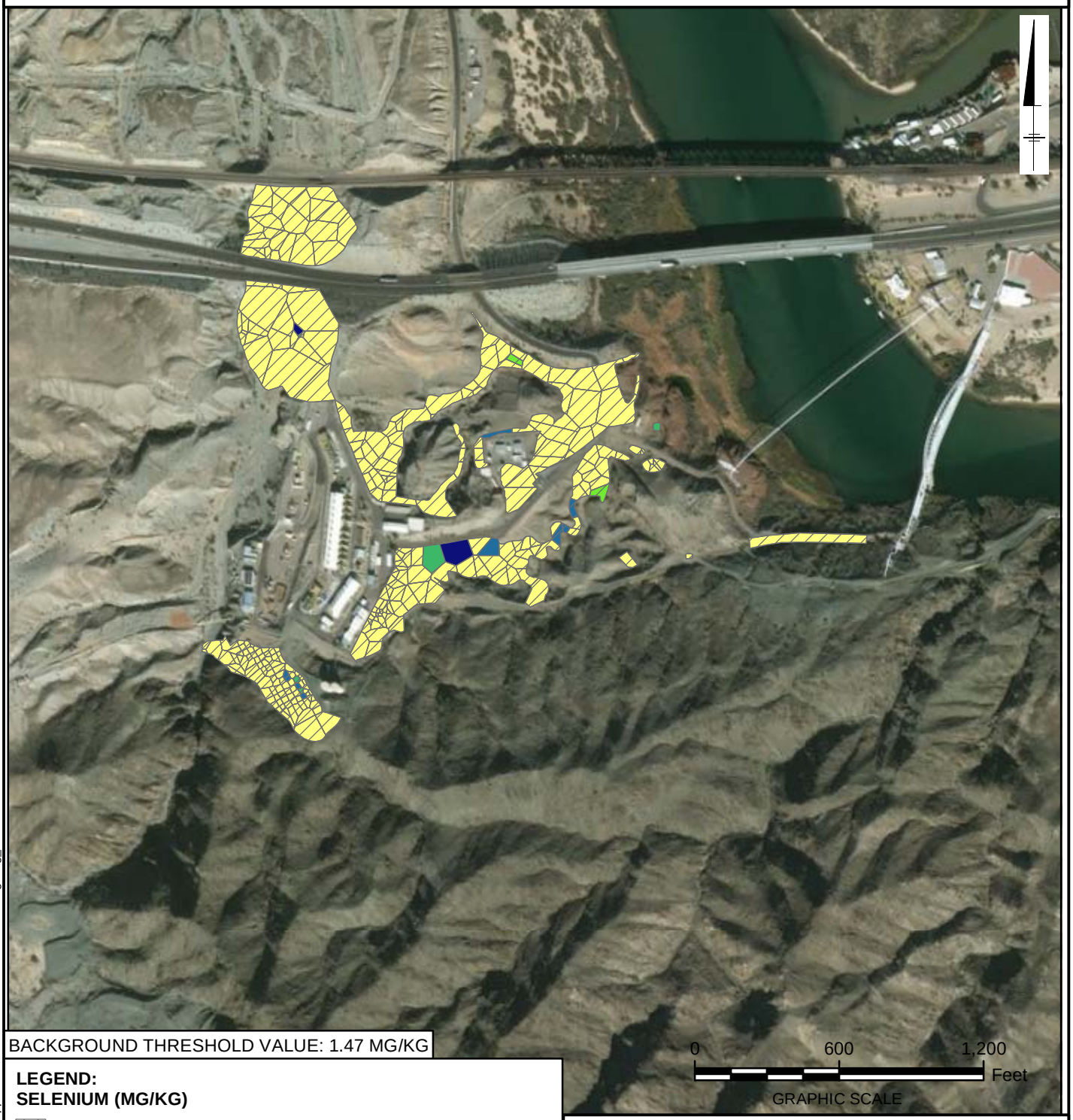
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.61

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
SELENIUM



BACKGROUND THRESHOLD VALUE: 1.47 MG/KG

LEGEND:
SELENIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.60
- ≥0.60 - 0.87
- ≥0.87 - 1.40
- ≥1.40 - 2.75
- ≥2.75 - 9.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

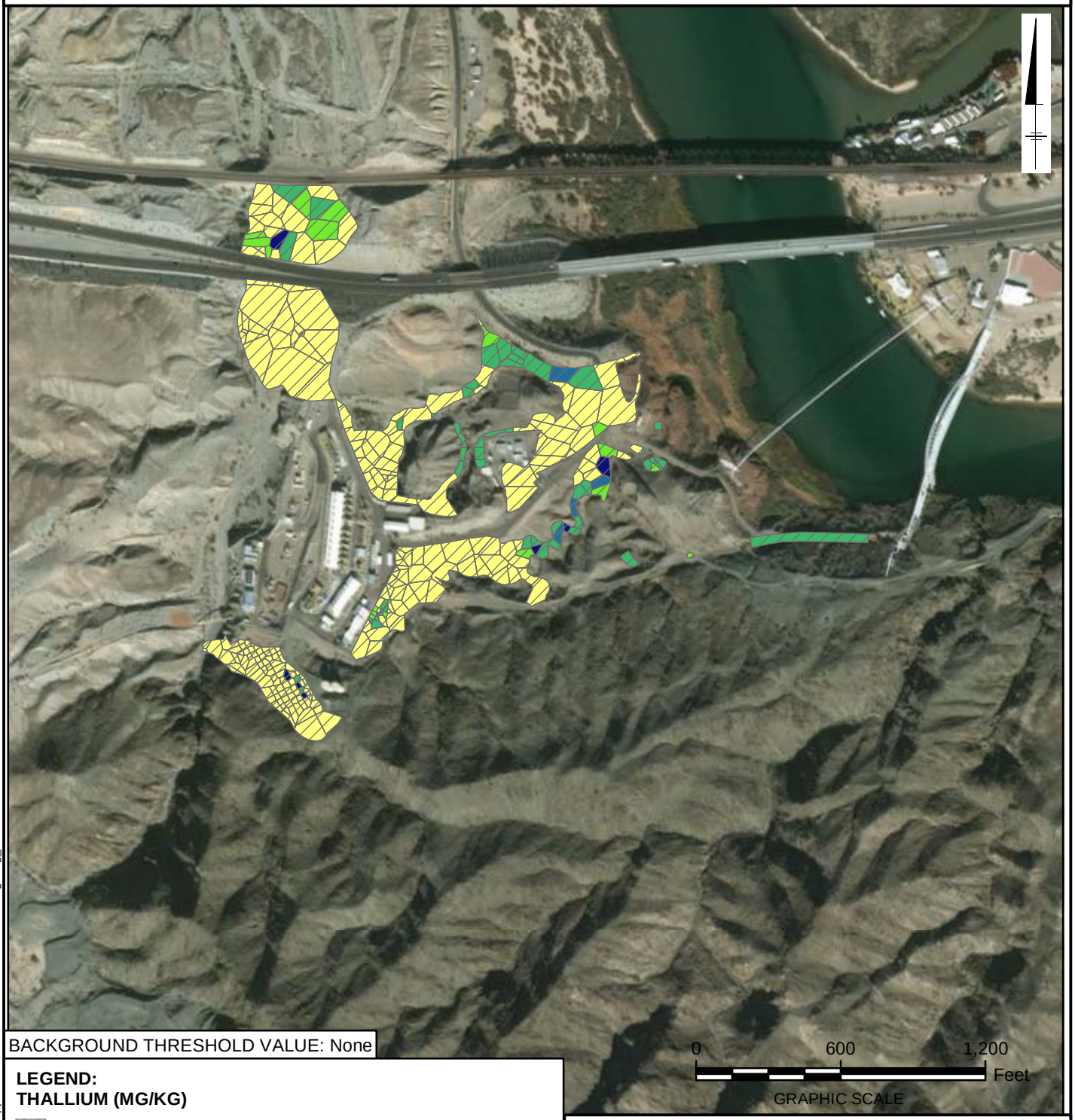
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.62

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
THALLIUM



BACKGROUND THRESHOLD VALUE: None

LEGEND:
THALLIUM (MG/KG)

- NOT DETECTED
- 0.50 - 1.20
- ≥1.20 - 1.67
- ≥1.67 - 3.00
- ≥3.00 - 4.65
- ≥4.65 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

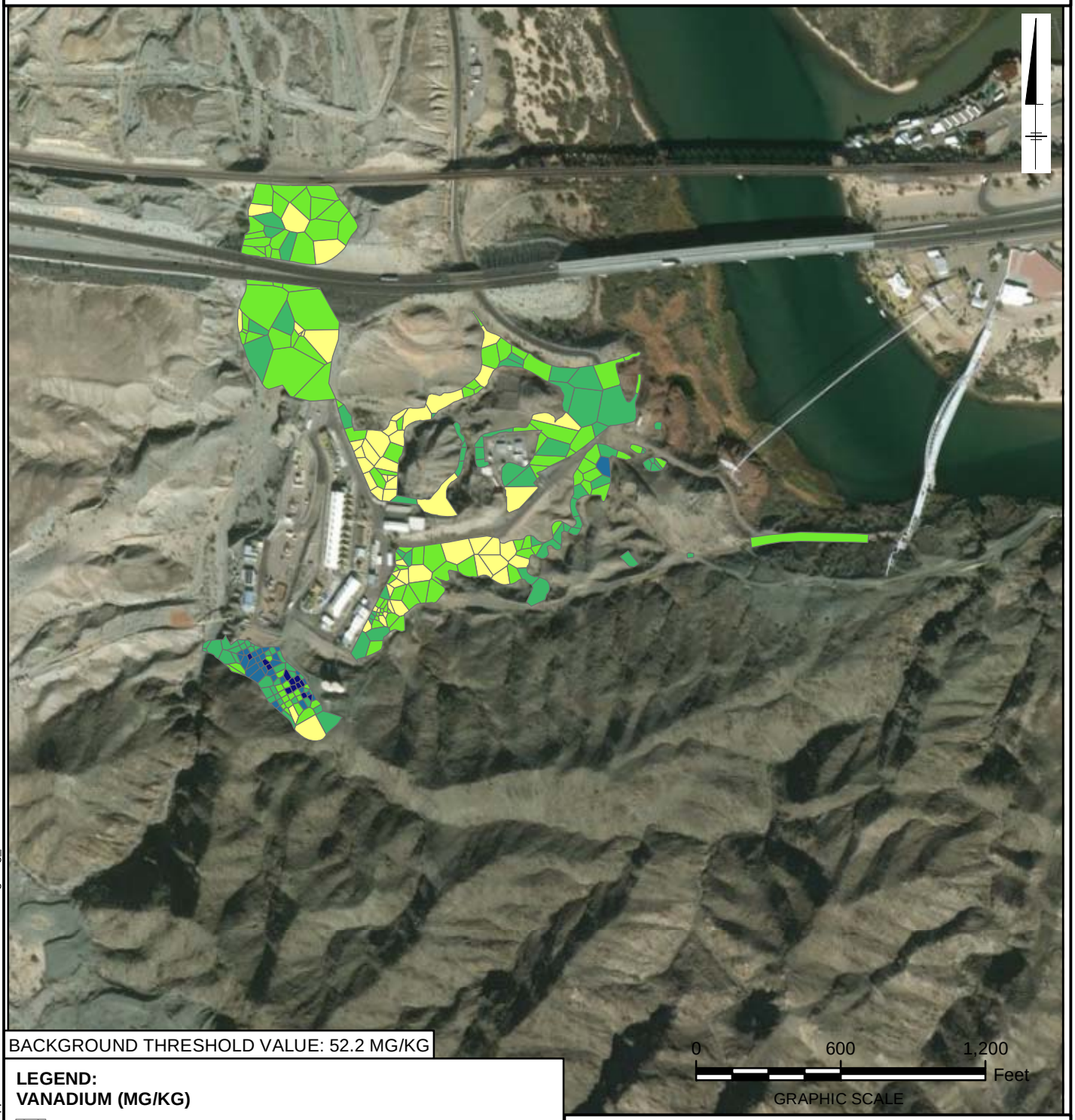
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.63

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 12.30 - 22.30
- ≥22.30 - 31.00
- ≥31.00 - 44.00
- ≥44.00 - 64.00
- ≥64.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

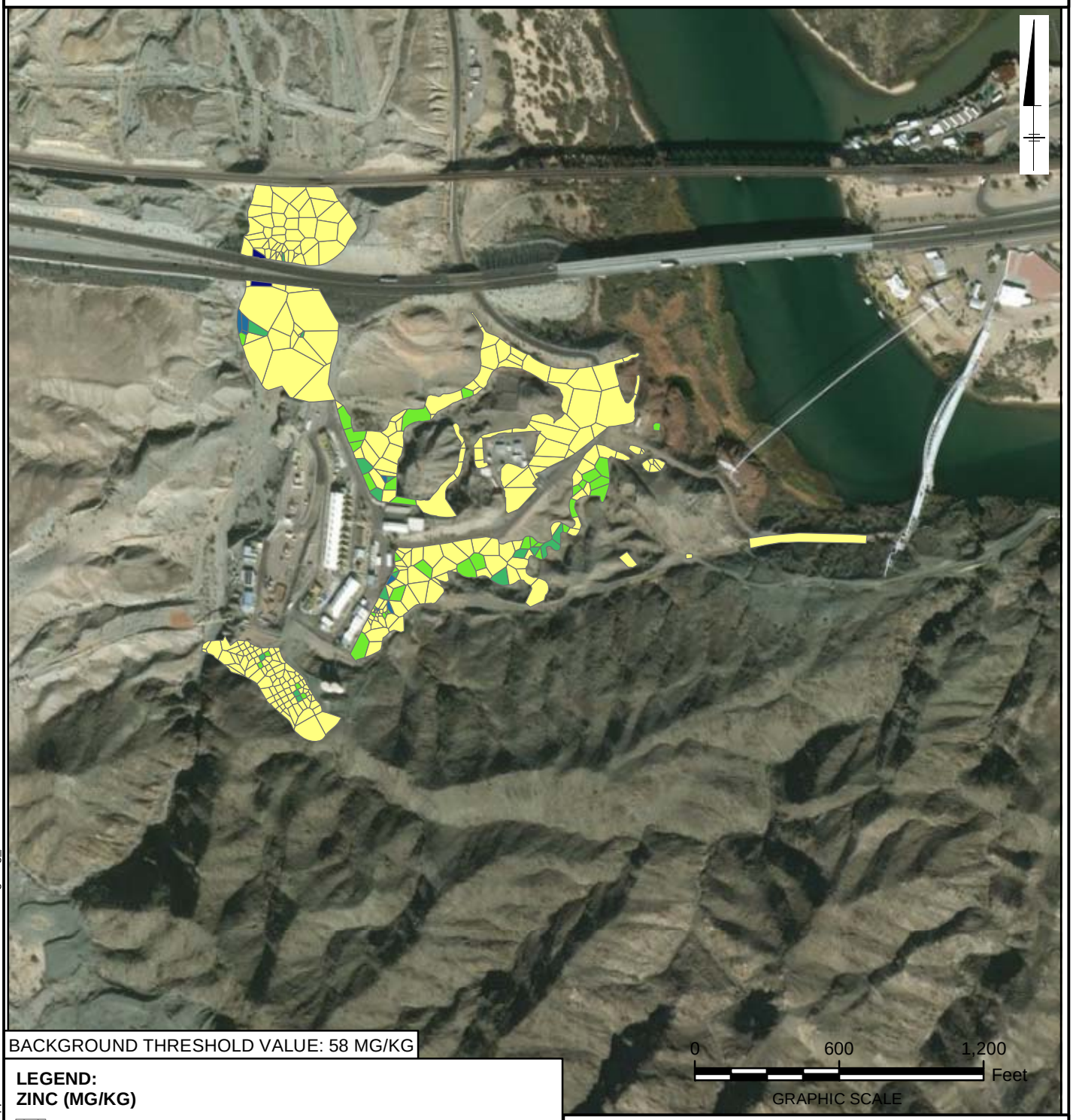
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.64

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 8.08 - 75.30
- ≥75.30 - 174.00
- ≥174.00 - 410.00
- ≥410.00 - 1000.00
- ≥1000.00 - 2000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

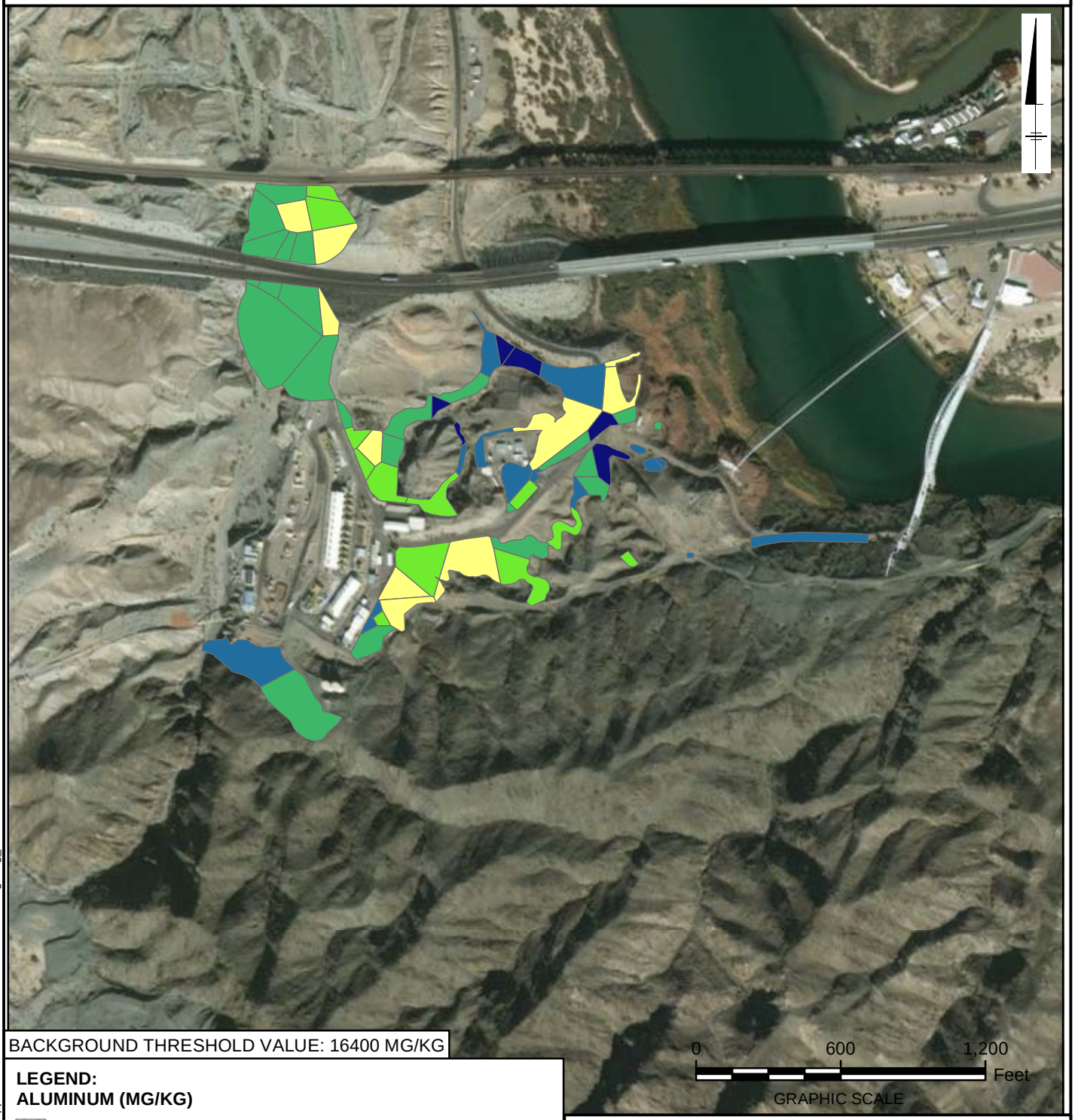
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.65

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 5400.00
- ≥5400.00 - 7500.00
- ≥7500.00 - 9100.00
- ≥9100.00 - 13000.00
- ≥13000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

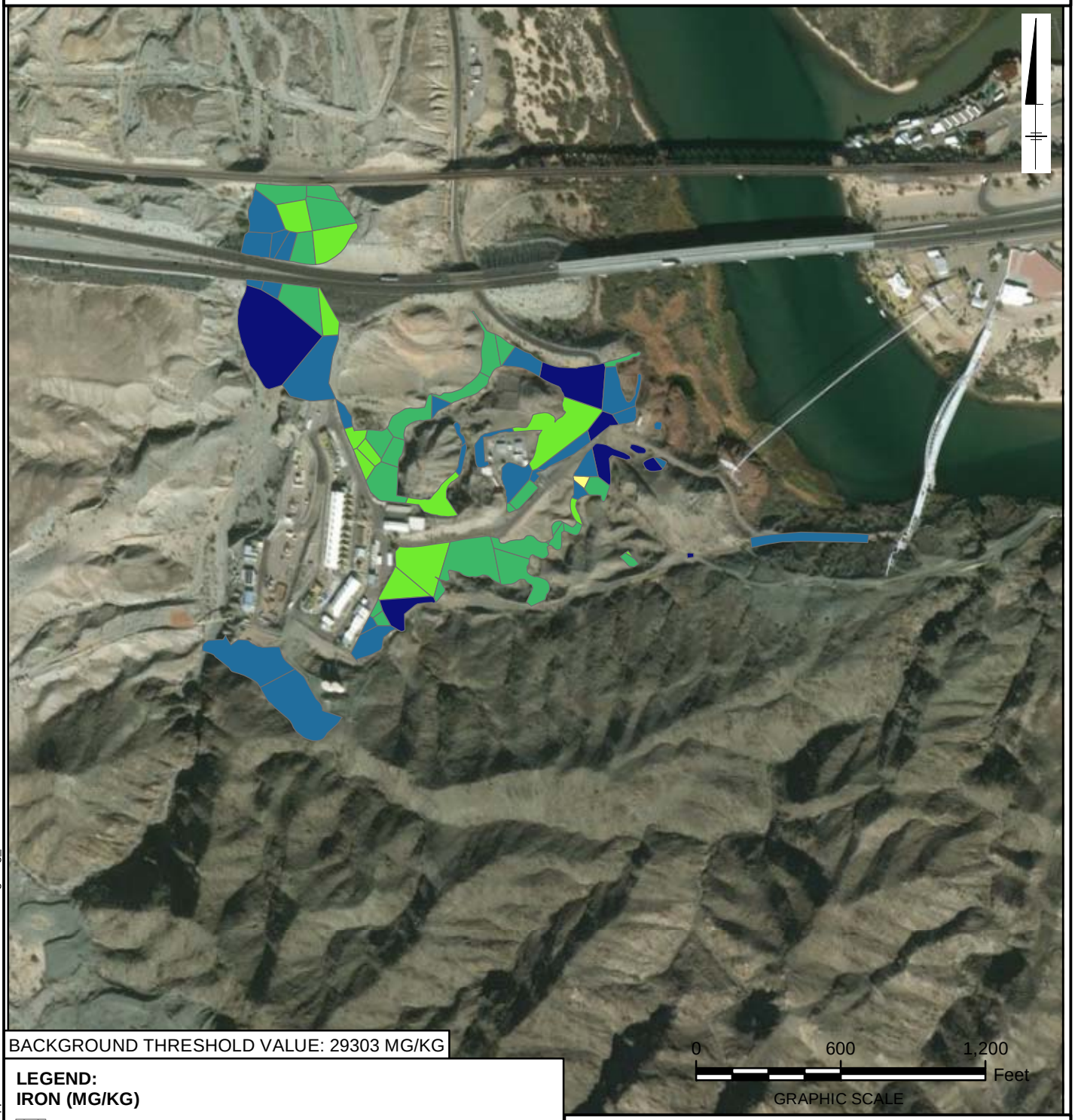
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.66

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 540.00 - 540.00
- ≥540.00 - 11000.00
- ≥11000.00 - 17000.00
- ≥17000.00 - 23100.00
- ≥23100.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

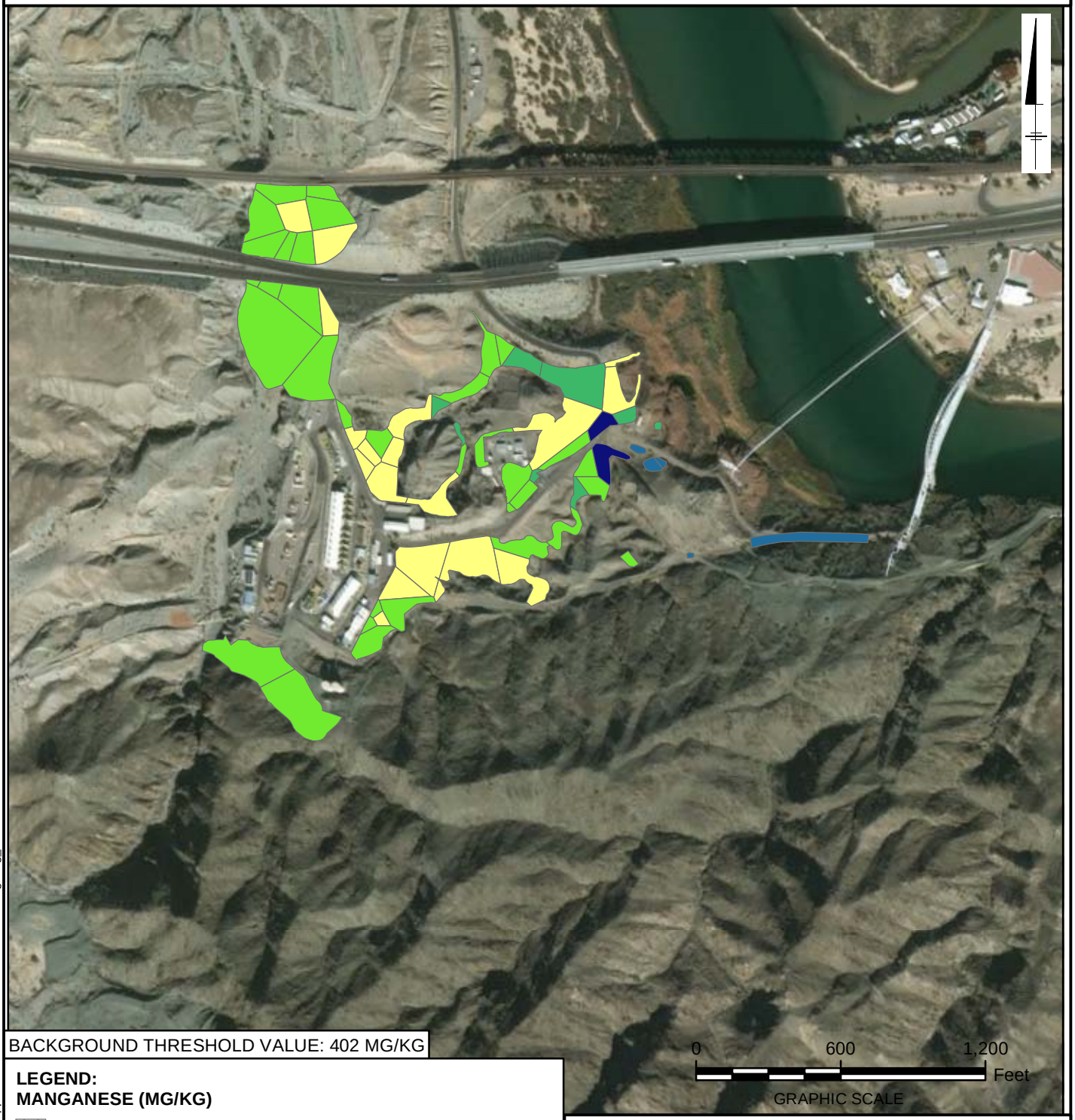
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.67

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 120.00 - 220.00
- ≥220.00 - 330.00
- ≥330.00 - 470.00
- ≥470.00 - 840.00
- ≥840.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

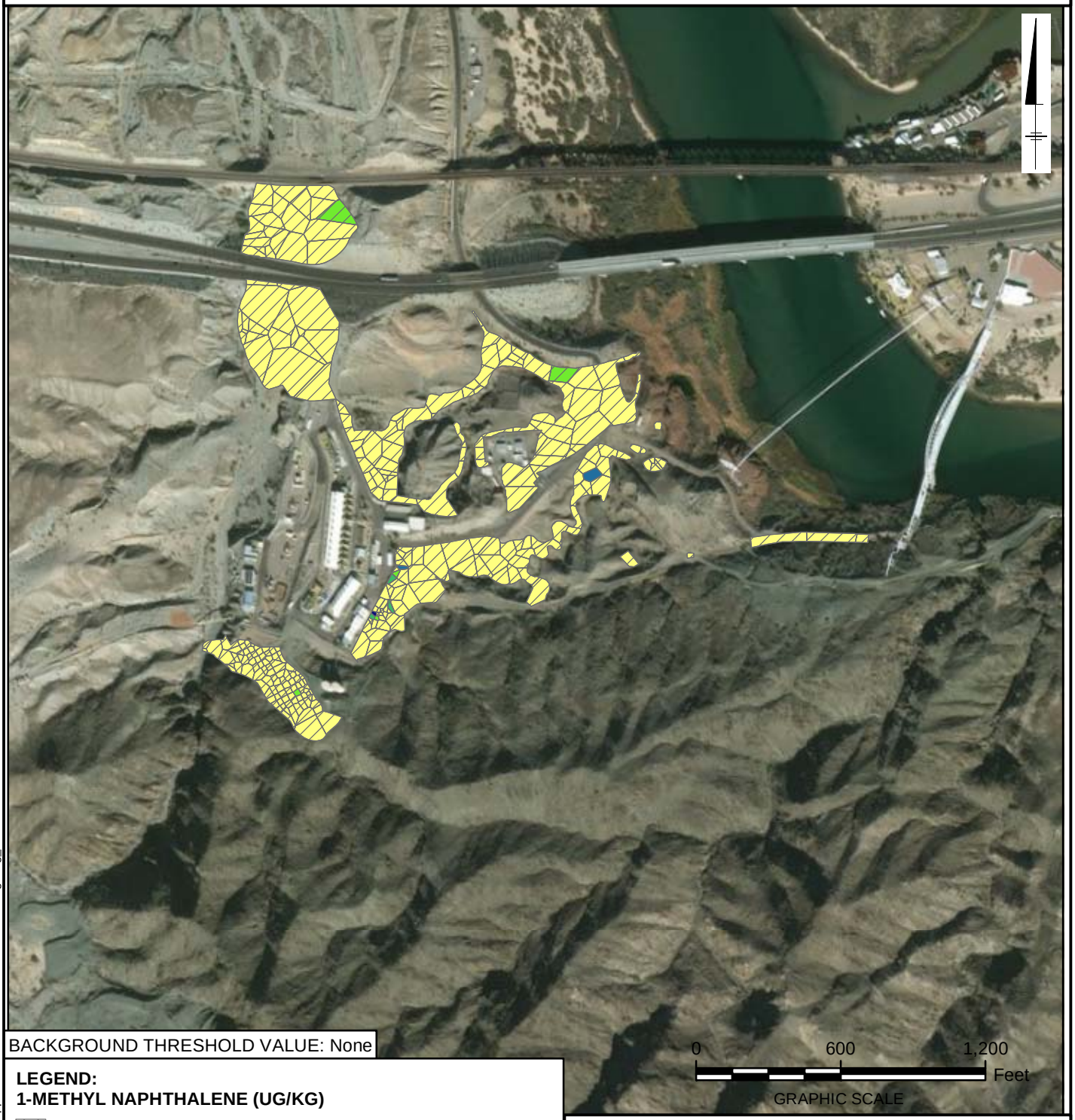
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.68

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.37
- ≥6.37 - 16.80
- ≥16.80 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 180.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

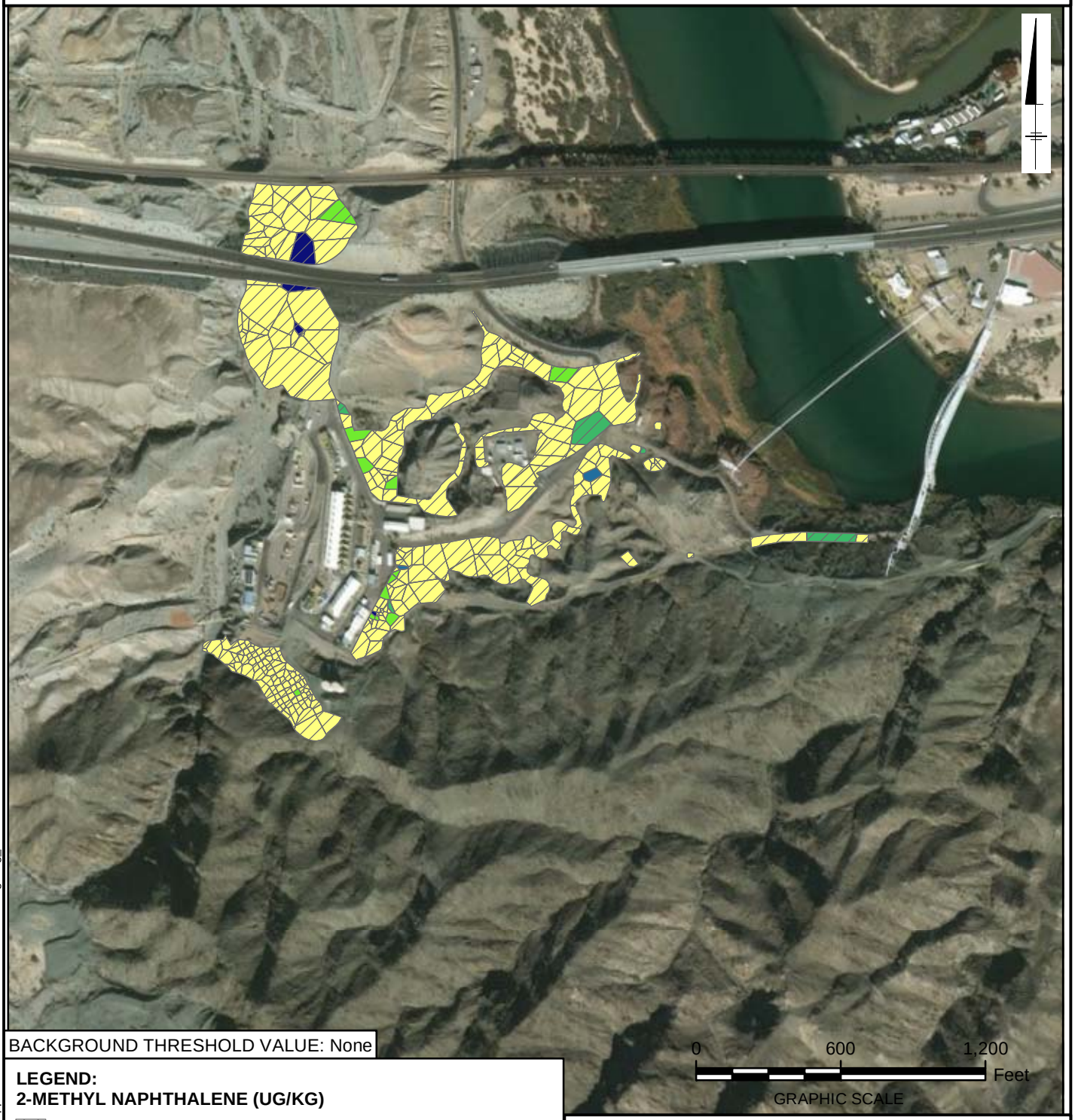
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.69

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.03
- ≥6.03 - 20.40
- ≥20.40 - 45.80
- ≥45.80 - 85.90
- ≥85.90 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

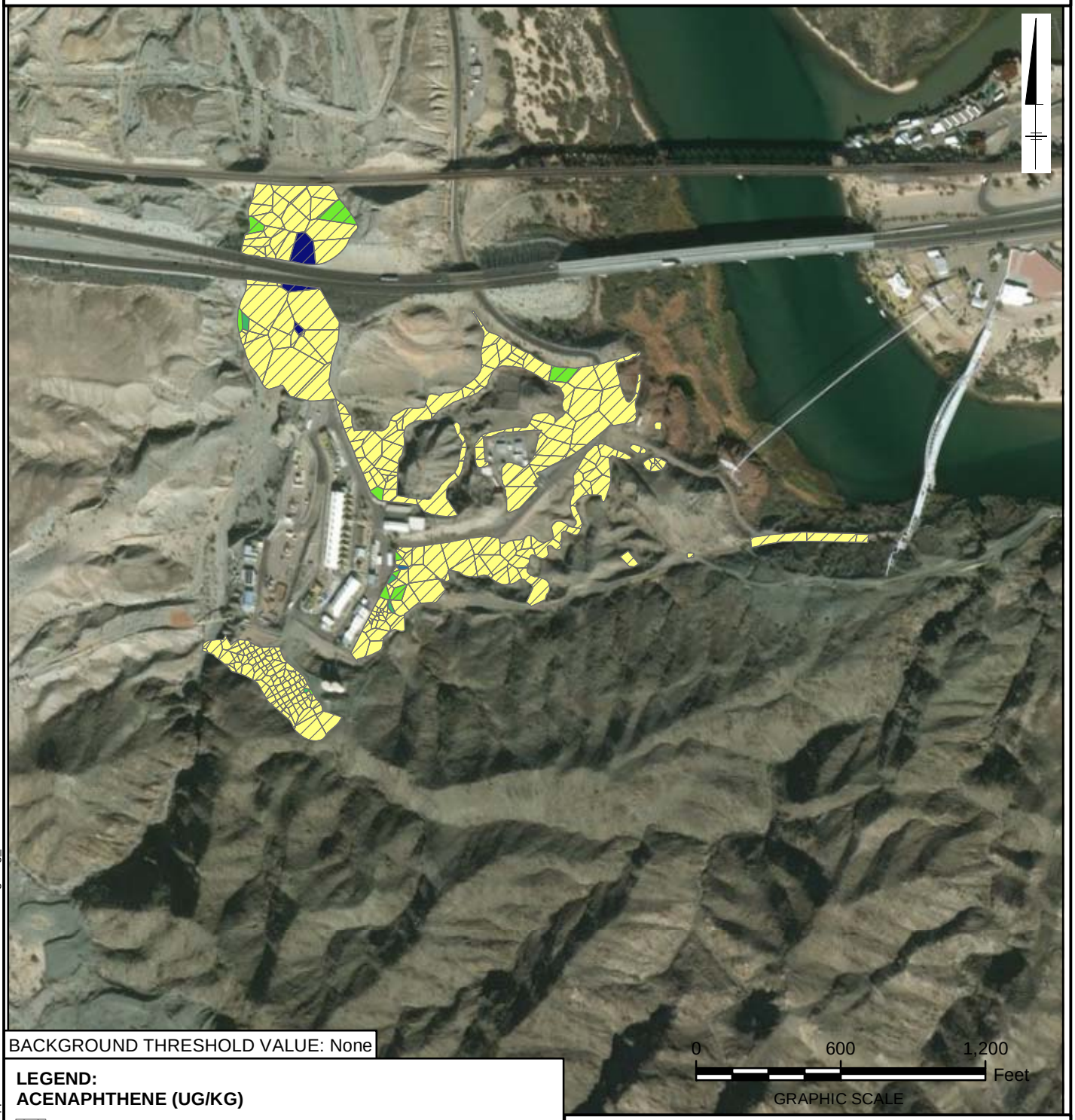
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.70

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.58
- ≥4.58 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

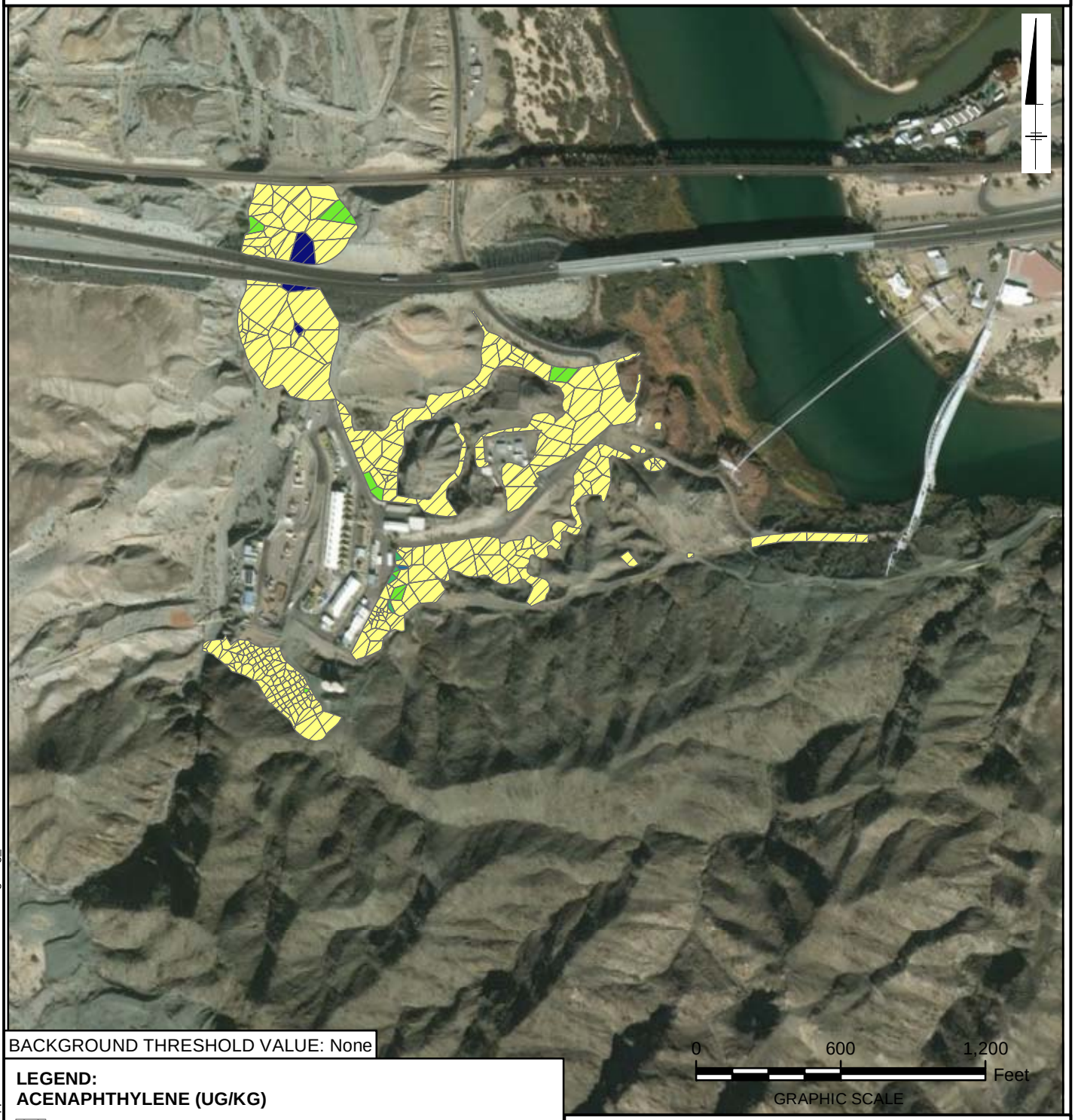
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.71

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.98
- ≥4.98 - 12.50
- ≥12.50 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

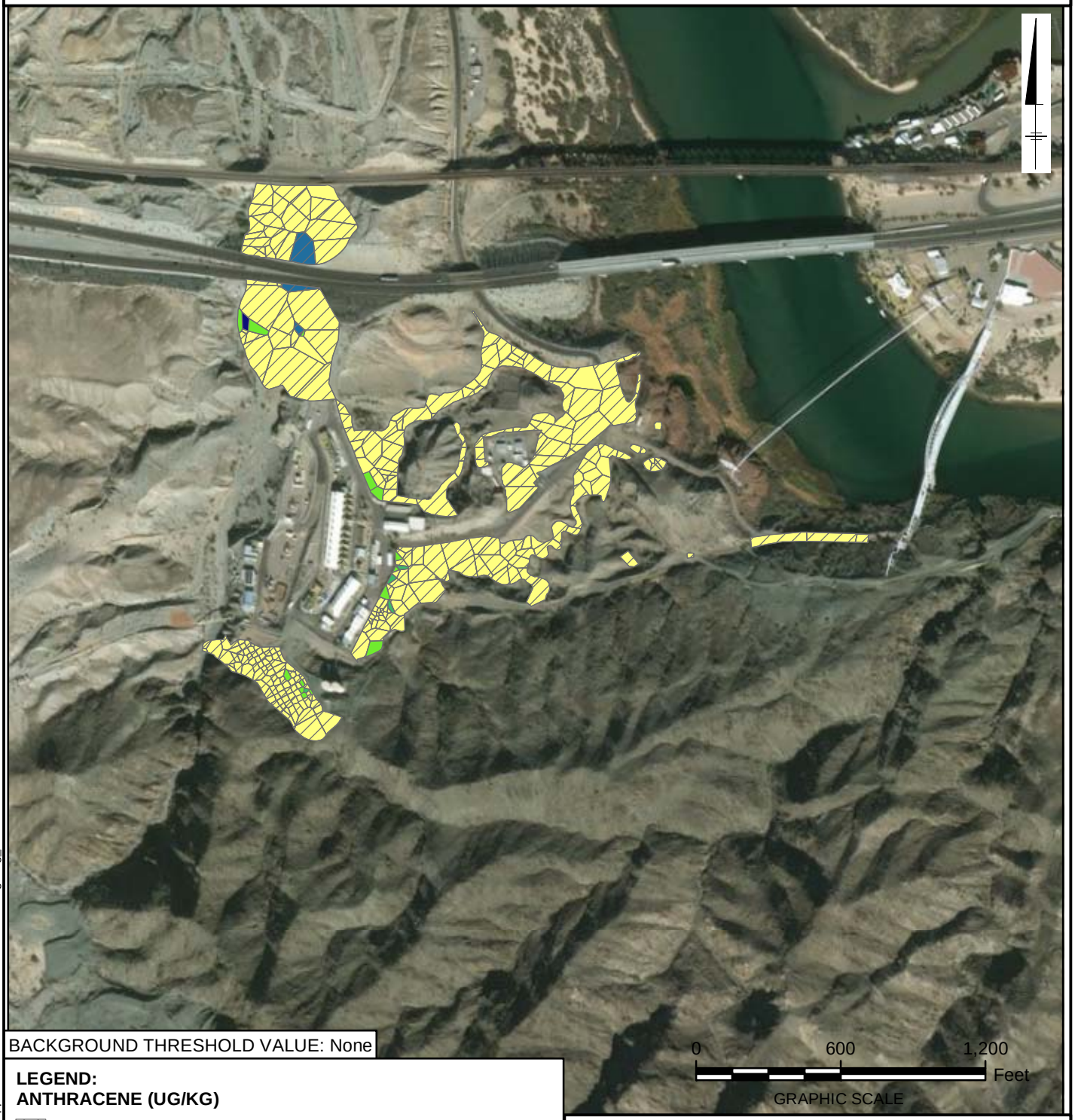
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.72

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 13.50
- ≥13.50 - 46.20
- ≥46.20 - 95.00
- ≥95.00 - 165.00
- ≥165.00 - 476.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

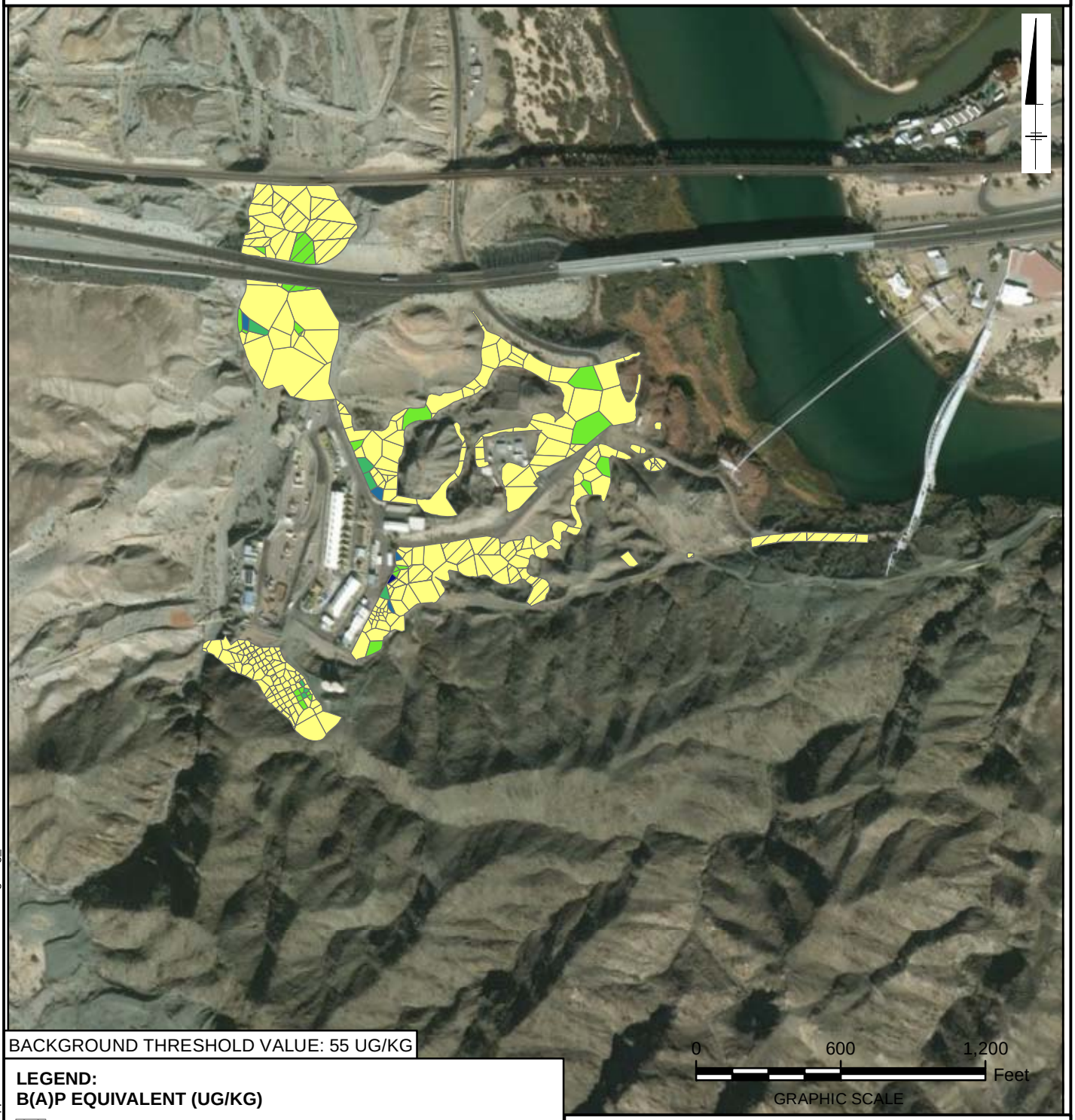
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.73

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 155.00
- ≥155.00 - 565.00
- ≥565.00 - 1160.00
- ≥1160.00 - 2600.00
- ≥2600.00 - 5470.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

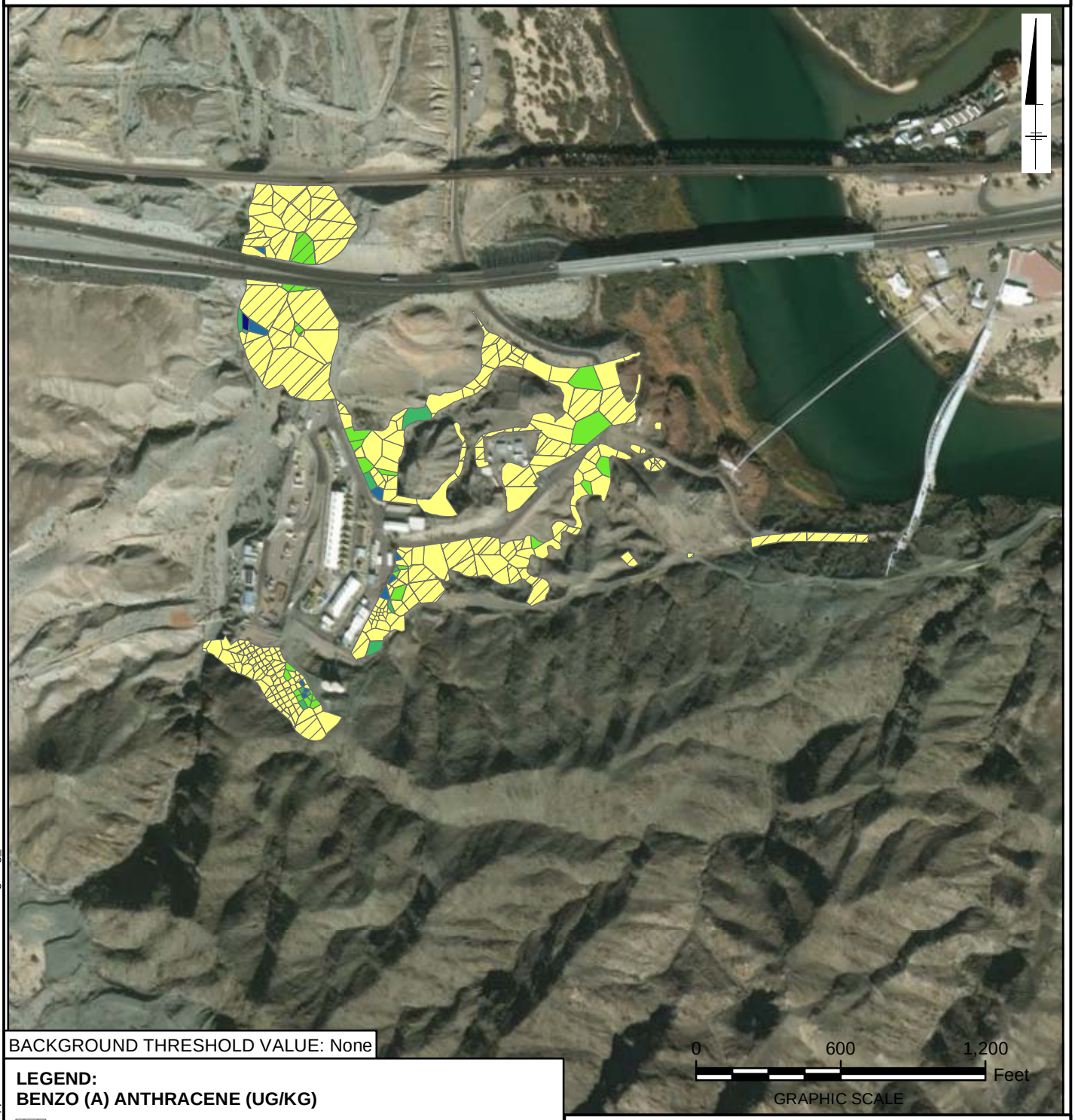
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.74

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 66.00
- ≥66.00 - 250.00
- ≥250.00 - 560.00
- ≥560.00 - 1270.00
- ≥1270.00 - 2450.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

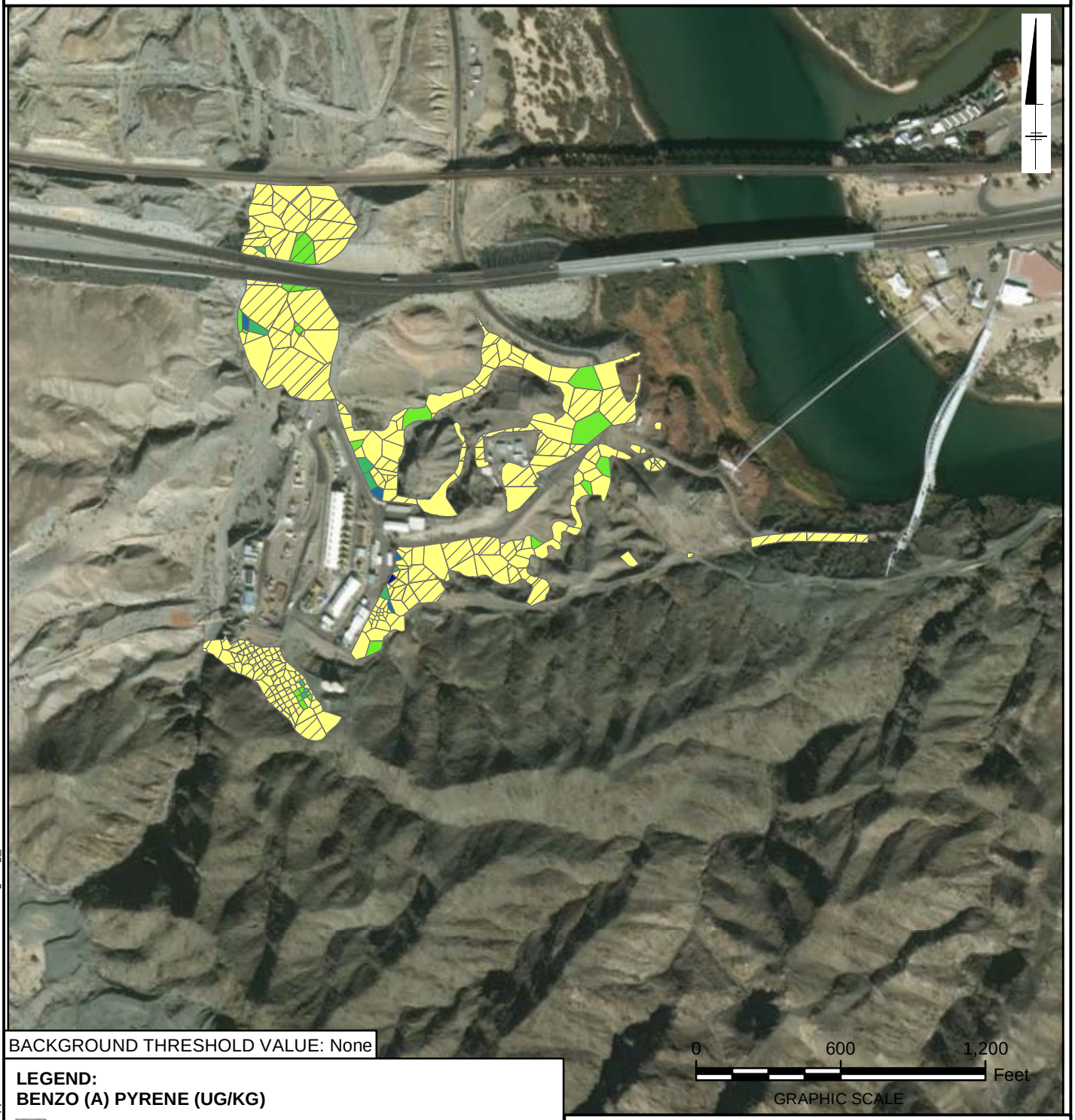
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.75

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 93.80
- ≥93.80 - 330.00
- ≥330.00 - 755.00
- ≥755.00 - 1640.00
- ≥1640.00 - 2930.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

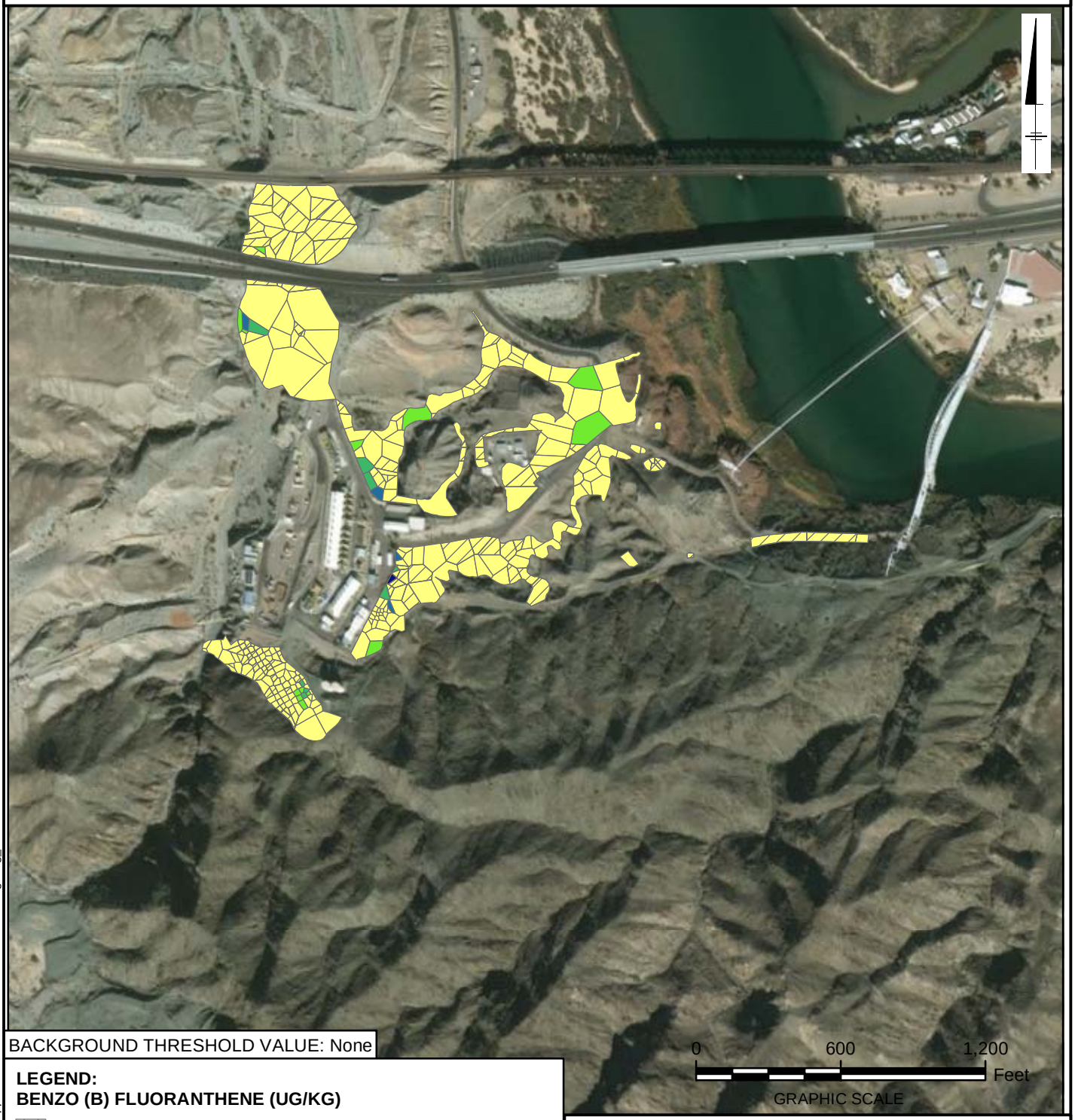
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.76

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 220.00
- ≥220.00 - 640.00
- ≥640.00 - 1400.00
- ≥1400.00 - 2870.00
- ≥2870.00 - 10000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

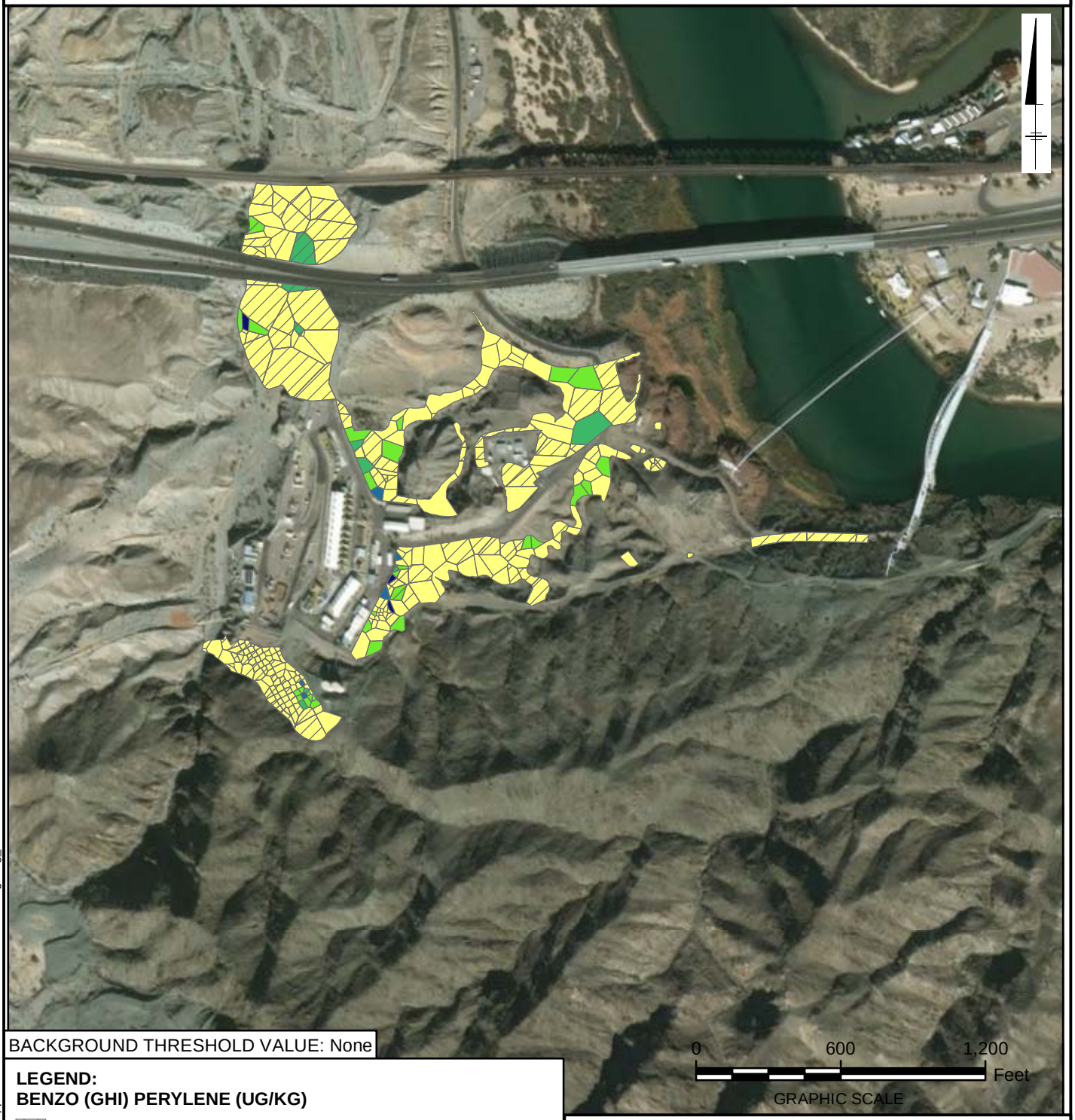
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.77

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 41.30
- ≥41.30 - 121.00
- ≥121.00 - 303.00
- ≥303.00 - 561.00
- ≥561.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

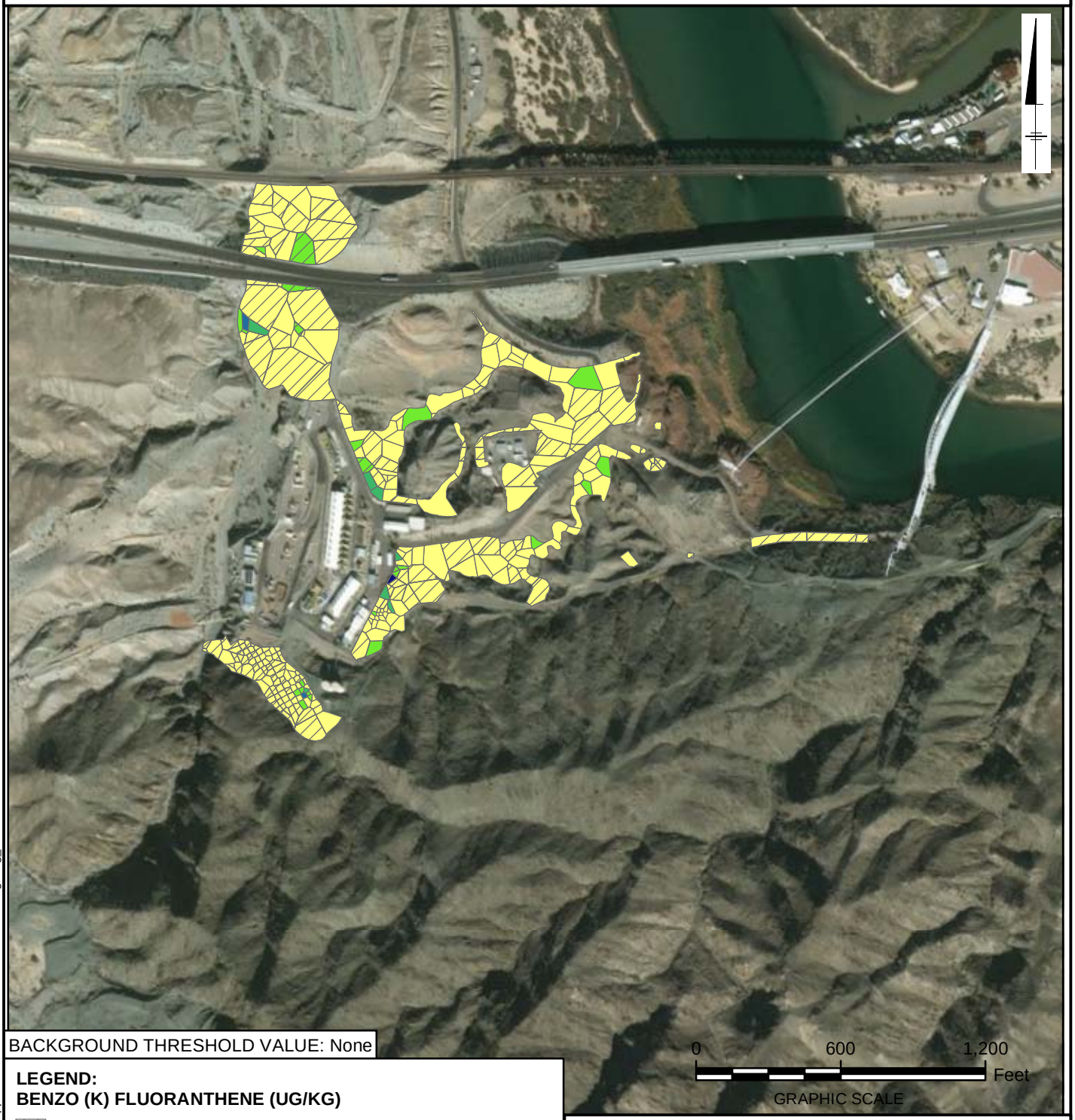
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.78

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 74.50
- ≥74.50 - 305.00
- ≥305.00 - 734.00
- ≥734.00 - 1400.00
- ≥1400.00 - 3870.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

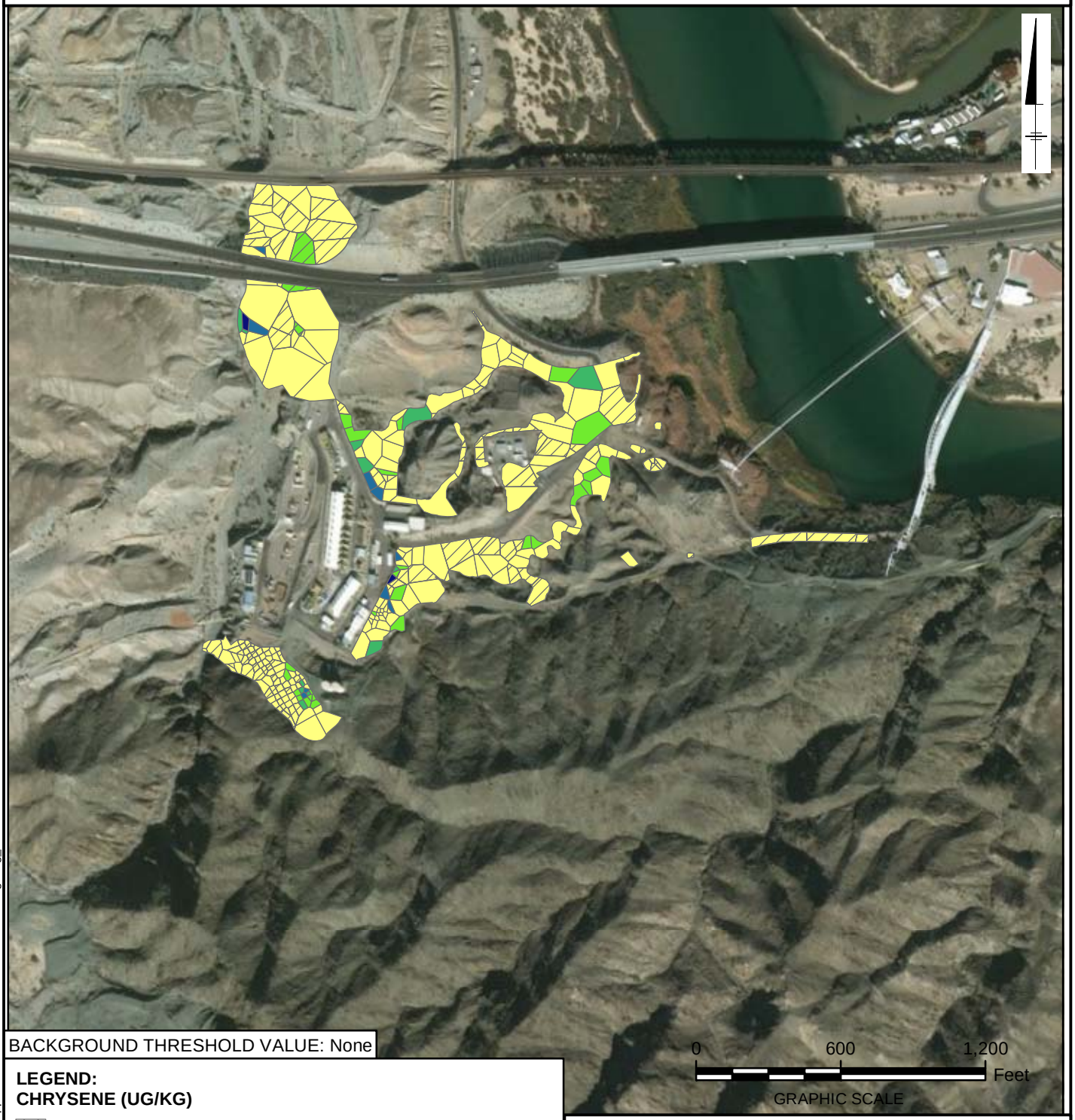
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.79

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 68.00
- ≥68.00 - 237.00
- ≥237.00 - 630.00
- ≥630.00 - 1730.00
- ≥1730.00 - 3470.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

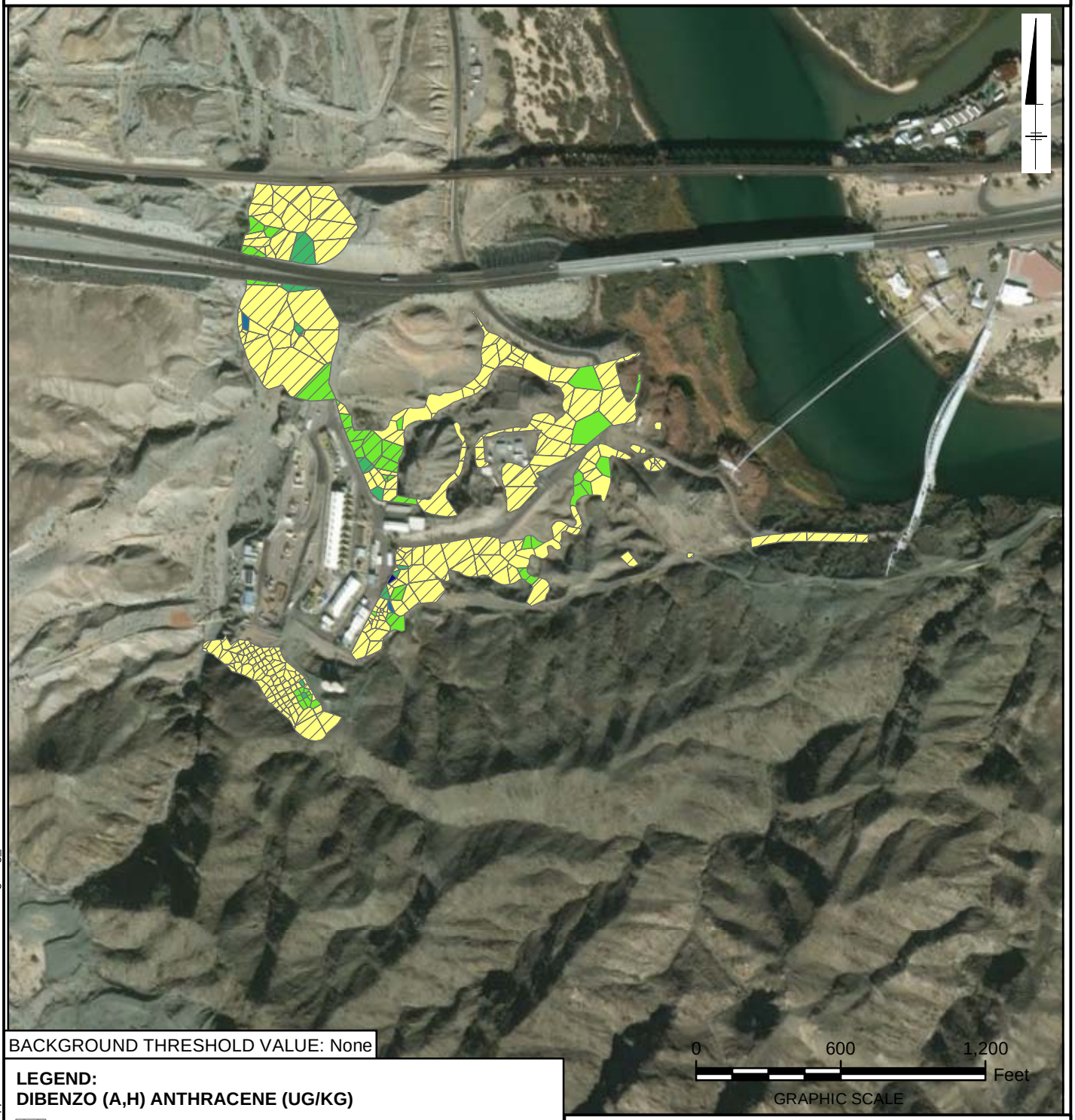
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.80

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 14.20
- ≥14.20 - 68.00
- ≥68.00 - 174.00
- ≥174.00 - 356.00
- ≥356.00 - 1270.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

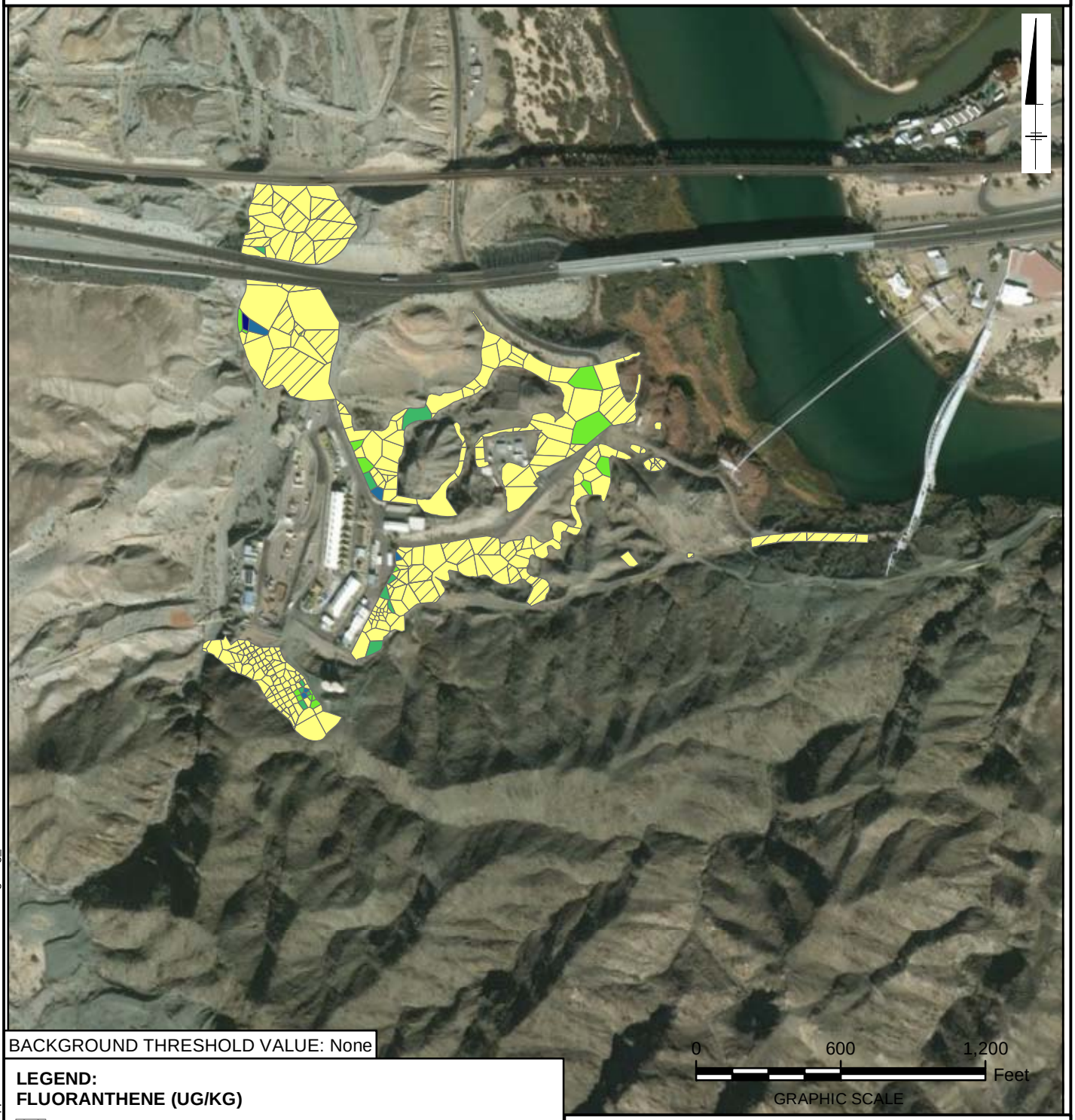
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.81

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 207.00
- ≥207.00 - 614.00
- ≥614.00 - 1400.00
- ≥1400.00 - 2470.00
- ≥2470.00 - 5950.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

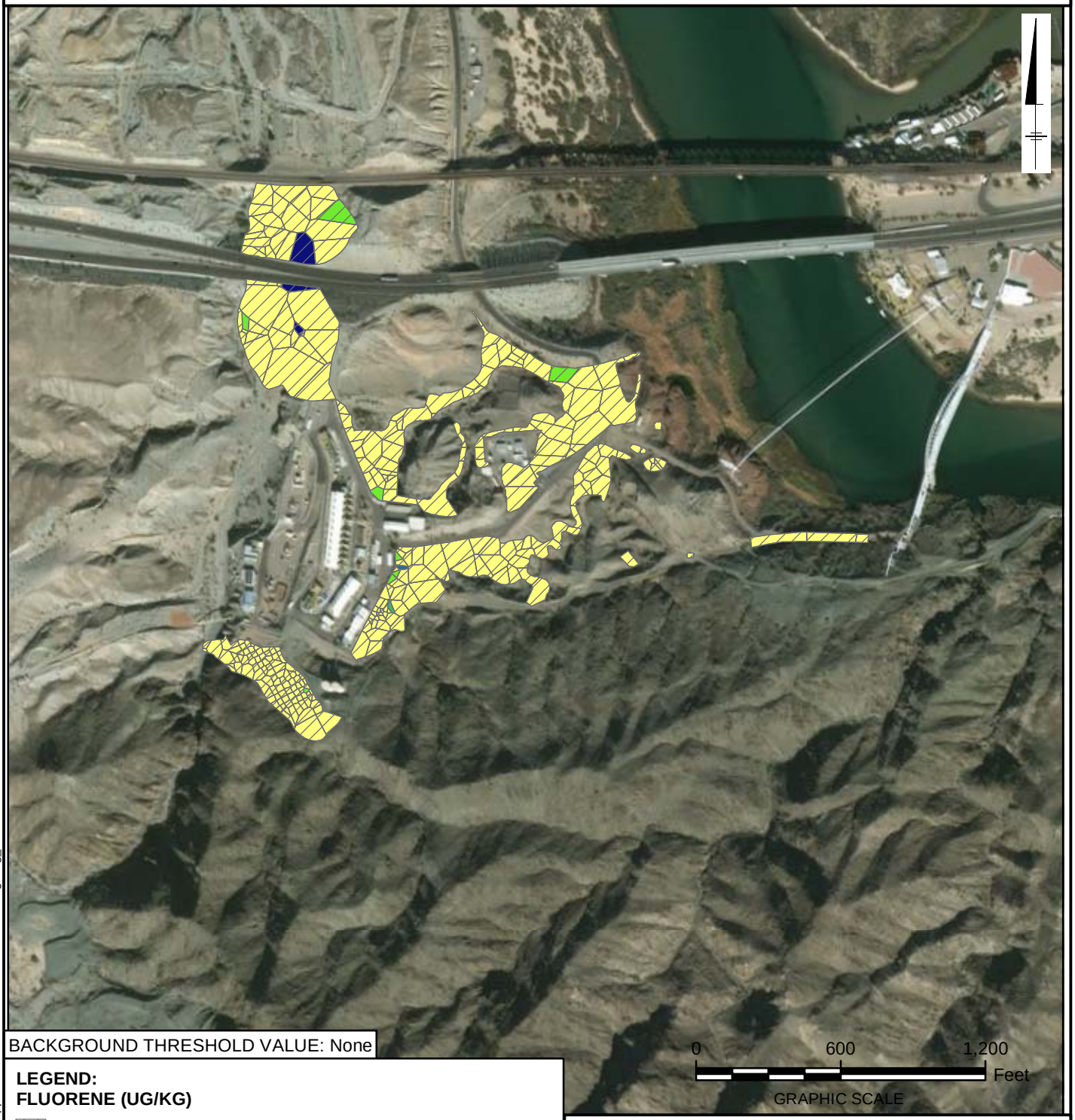
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.82

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.03
- ≥6.03 - 19.90
- ≥19.90 - 40.00
- ≥40.00 - 85.90
- ≥85.90 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

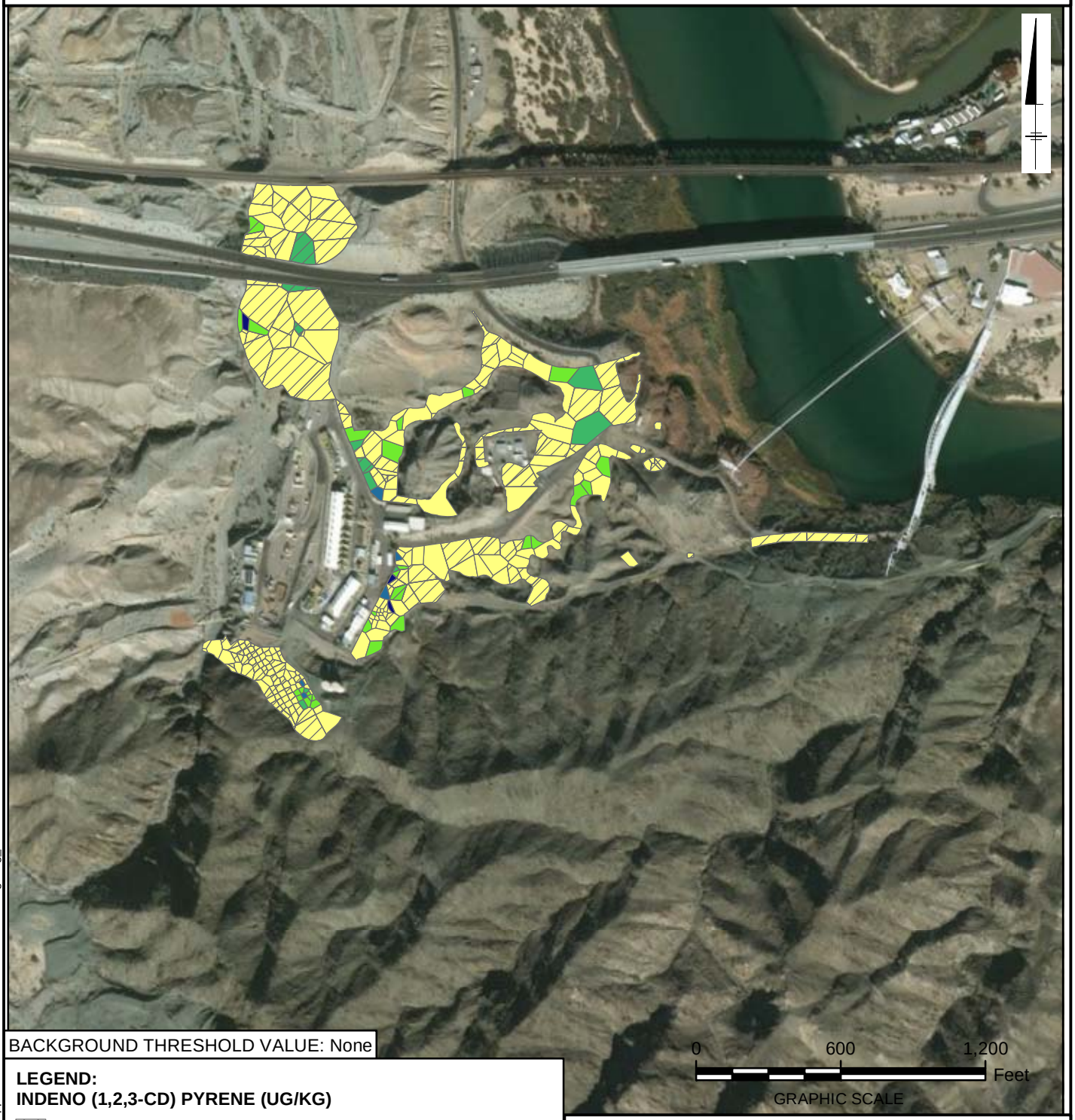
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.83

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 33.30
- ≥33.30 - 115.00
- ≥115.00 - 276.00
- ≥276.00 - 561.00
- ≥561.00 - 1270.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

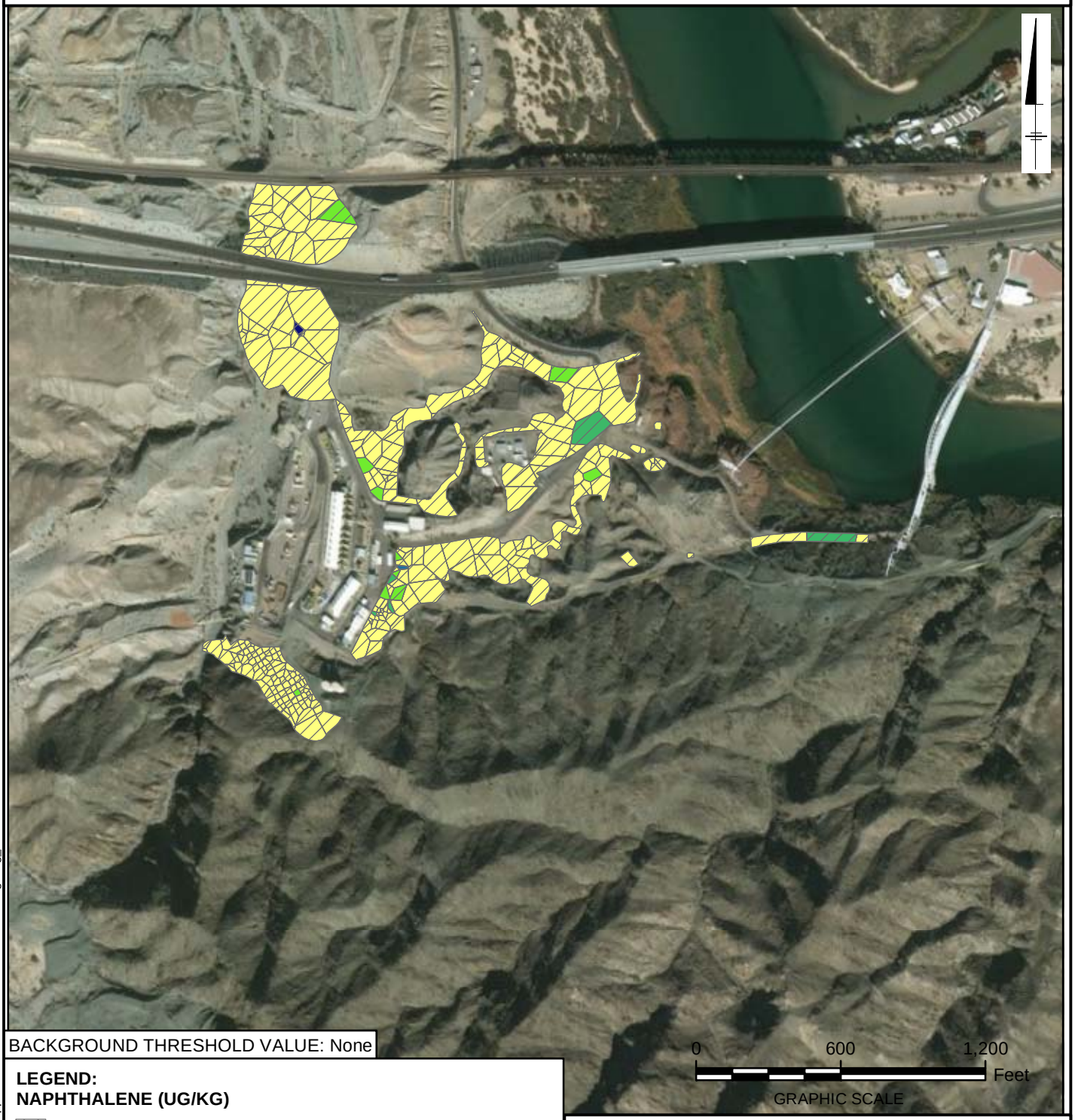
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.84

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.33 - 5.30
- ≥5.30 - 12.90
- ≥12.90 - 42.50
- ≥42.50 - 85.90
- ≥85.90 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

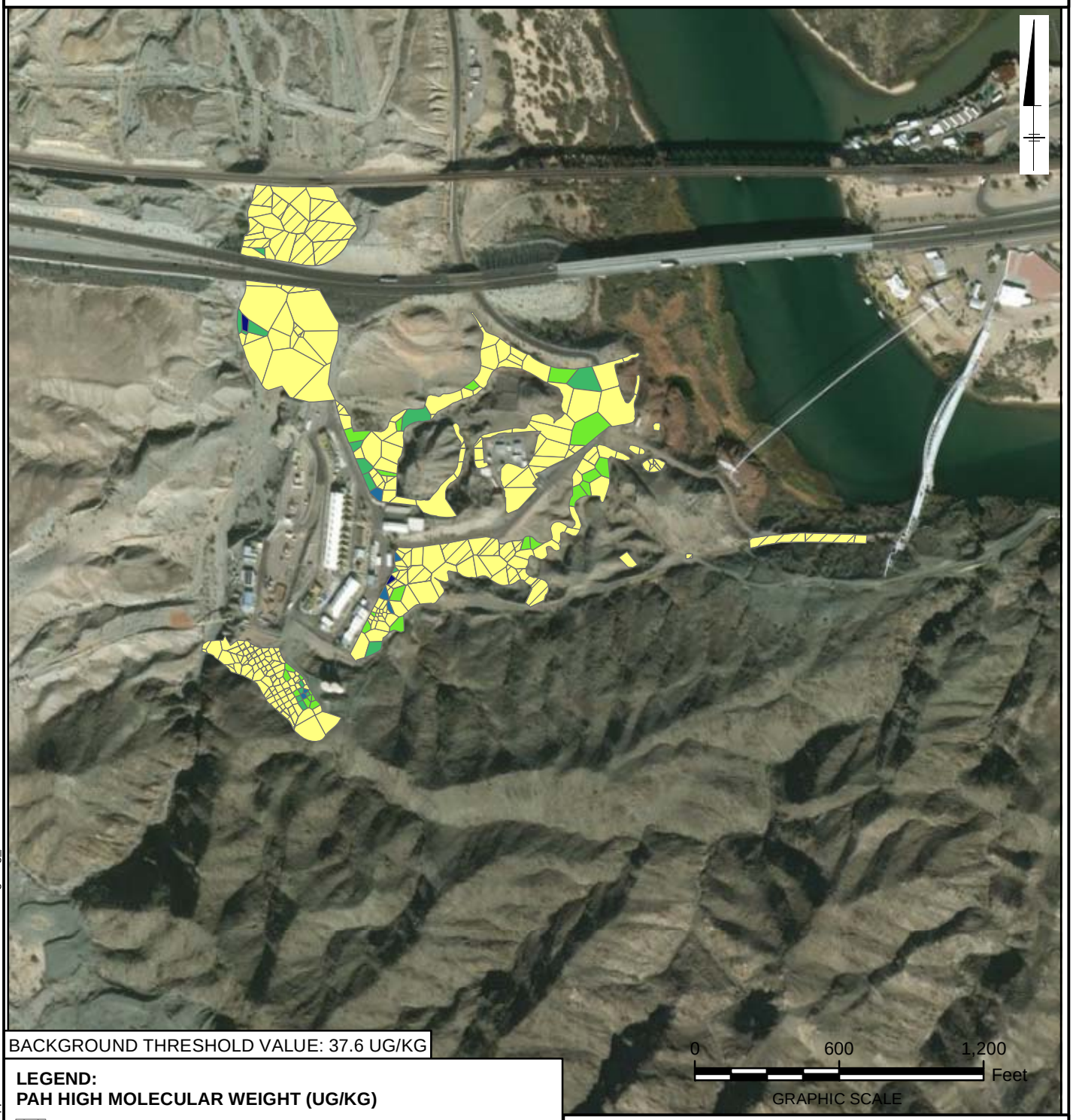
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.85

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 560.00
- ≥560.00 - 1990.00
- ≥1990.00 - 6590.00
- ≥6590.00 - 12100.00
- ≥12100.00 - 22900.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

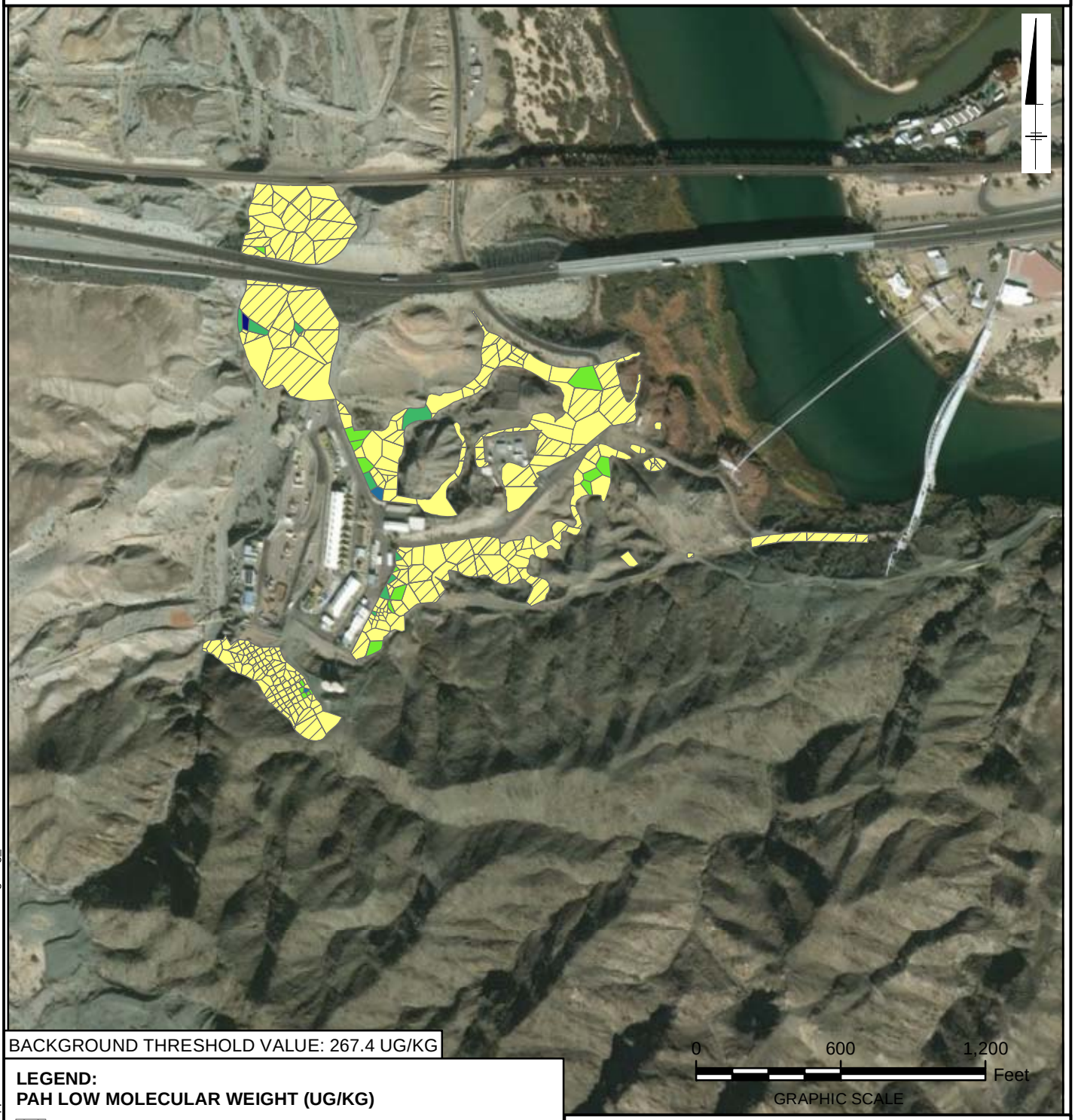
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.86

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 84.00
- ≥84.00 - 286.00
- ≥286.00 - 584.00
- ≥584.00 - 1340.00
- ≥1340.00 - 2600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

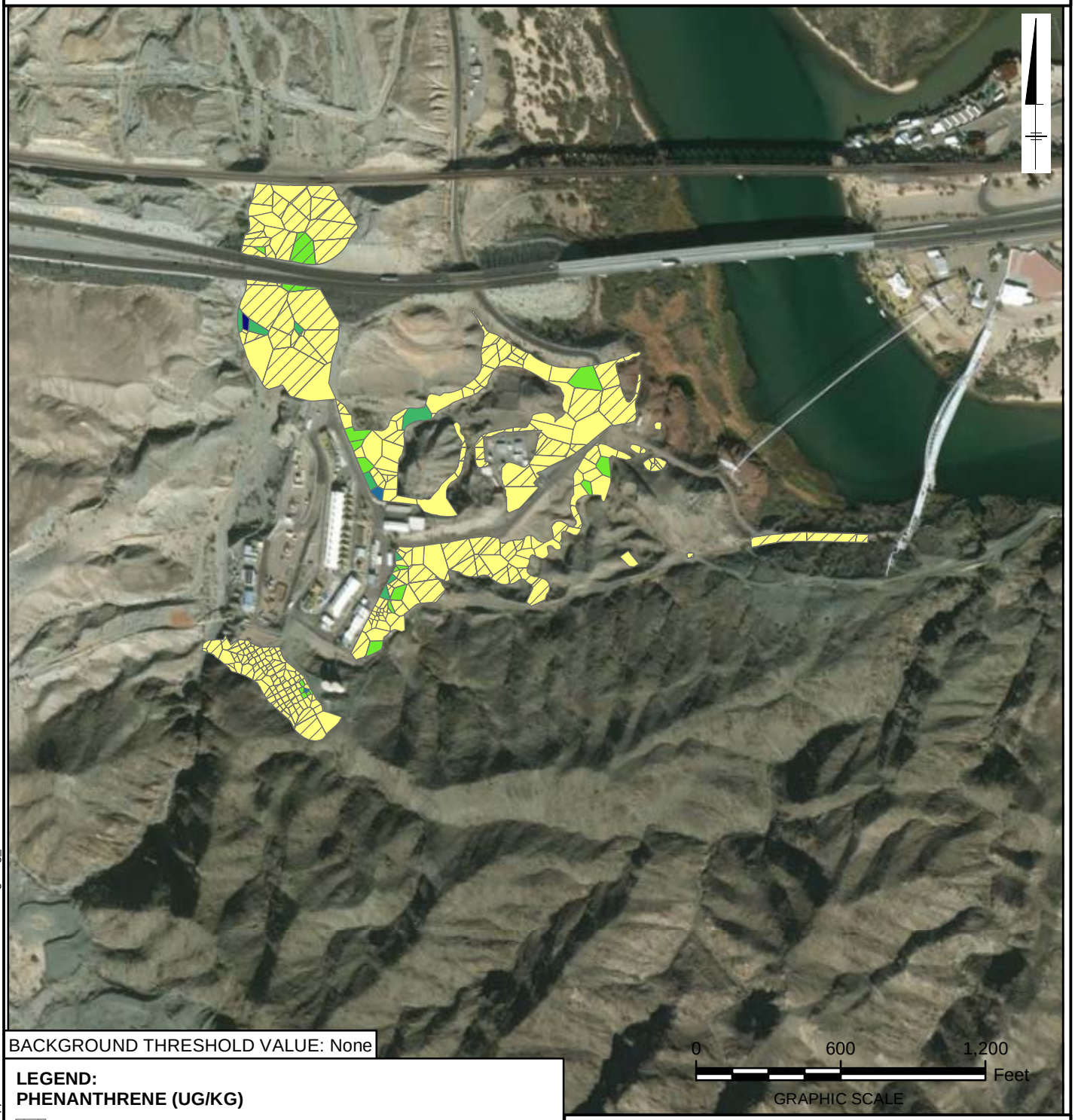
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.87

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 76.00
- ≥76.00 - 254.00
- ≥254.00 - 537.00
- ≥537.00 - 1200.00
- ≥1200.00 - 2080.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

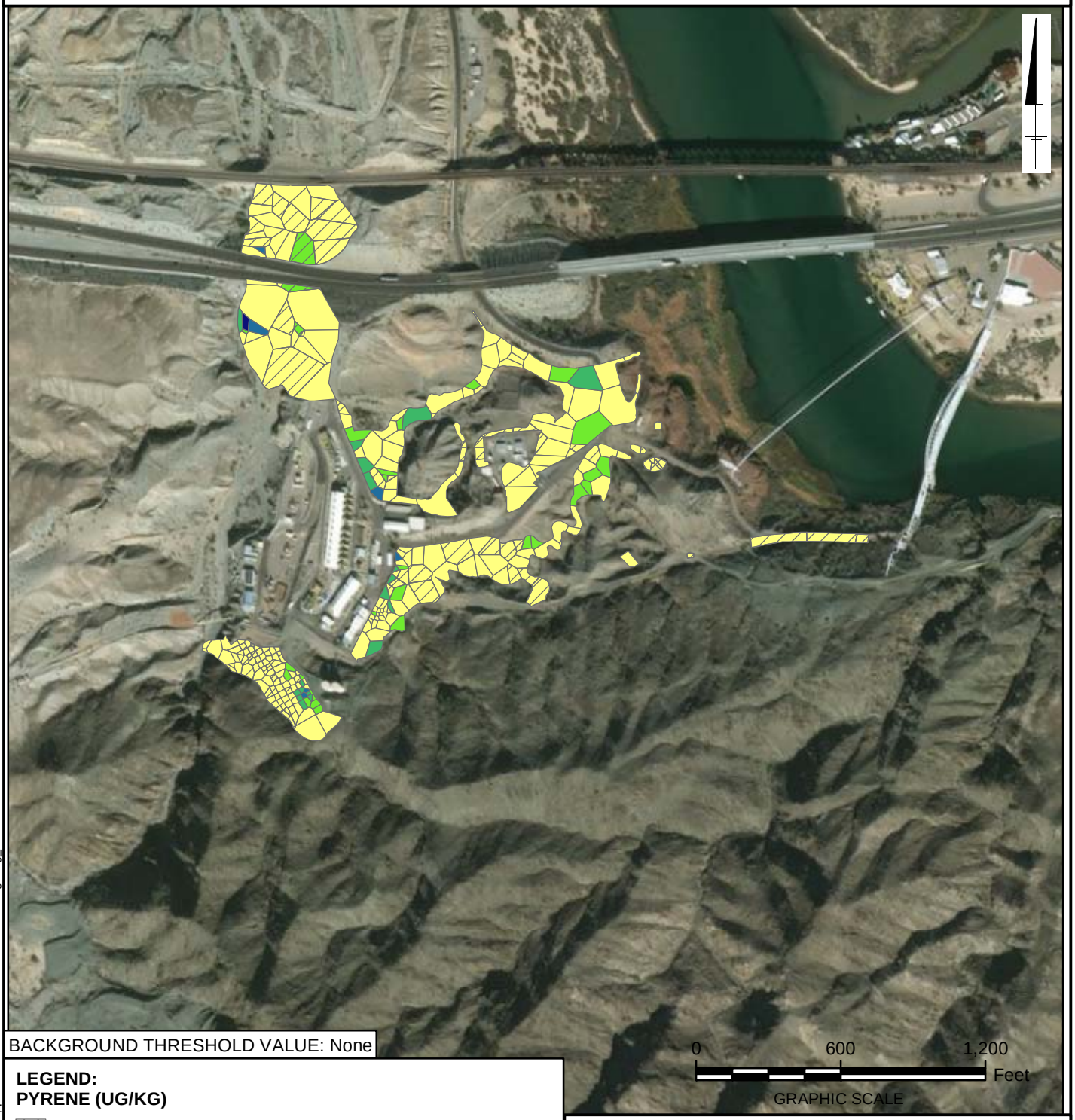
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.88

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PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 92.00
- ≥92.00 - 360.00
- ≥360.00 - 1100.00
- ≥1100.00 - 2270.00
- ≥2270.00 - 4600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

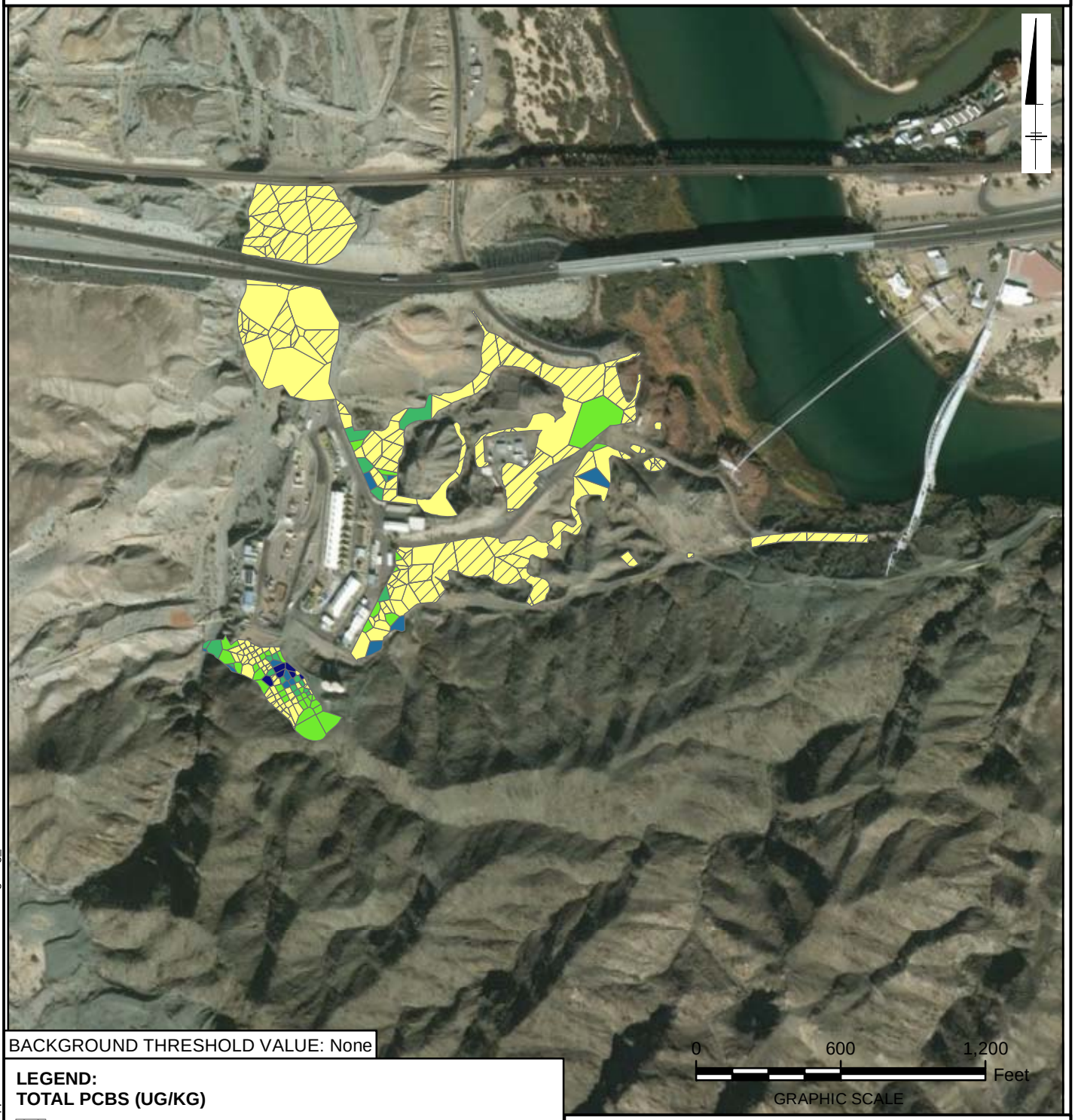
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.89

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 93.00
- ≥93.00 - 276.00
- ≥276.00 - 737.00
- ≥737.00 - 1960.00
- ≥1960.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

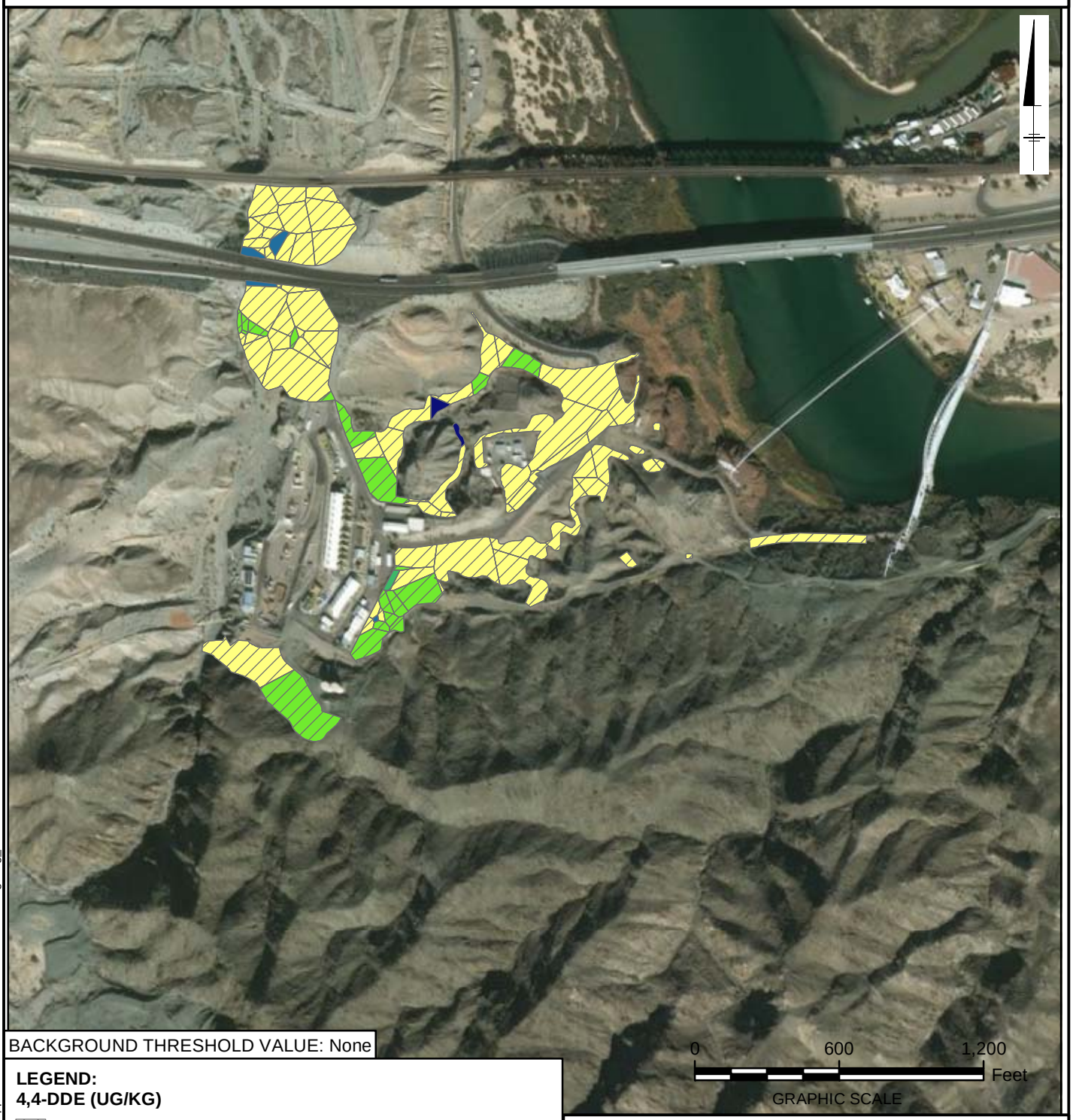
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.90

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
4,4-DDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
4,4-DDE (UG/KG)

- NOT DETECTED
- 1.00 - 1.02
- ≥1.02 - 1.08
- ≥1.08 - 1.67
- ≥1.67 - 4.40
- ≥4.40 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

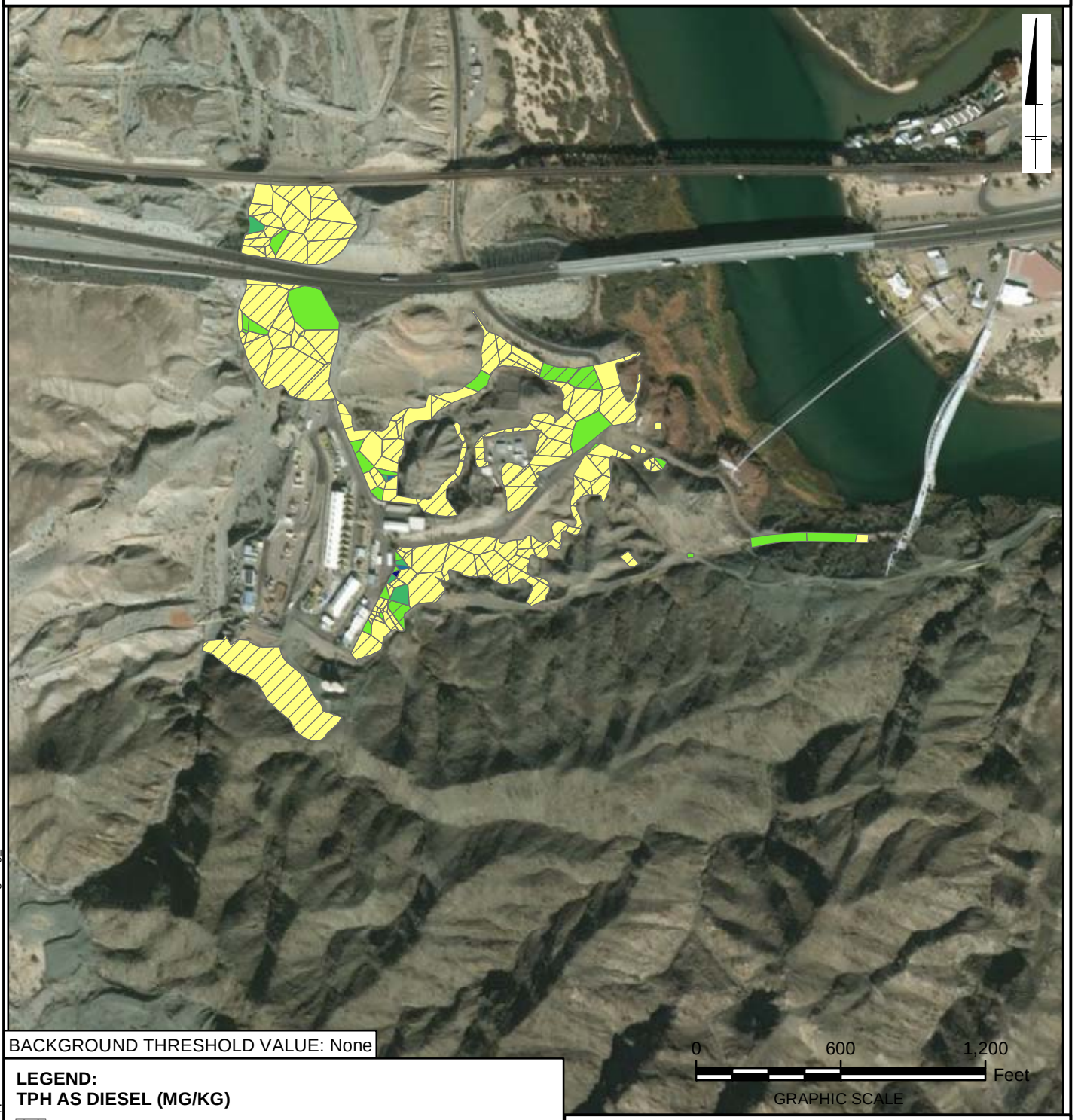
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.91

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 23.60
- ≥23.60 - 107.00
- ≥107.00 - 233.00
- ≥233.00 - 1260.00
- ≥1260.00 - 2670.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

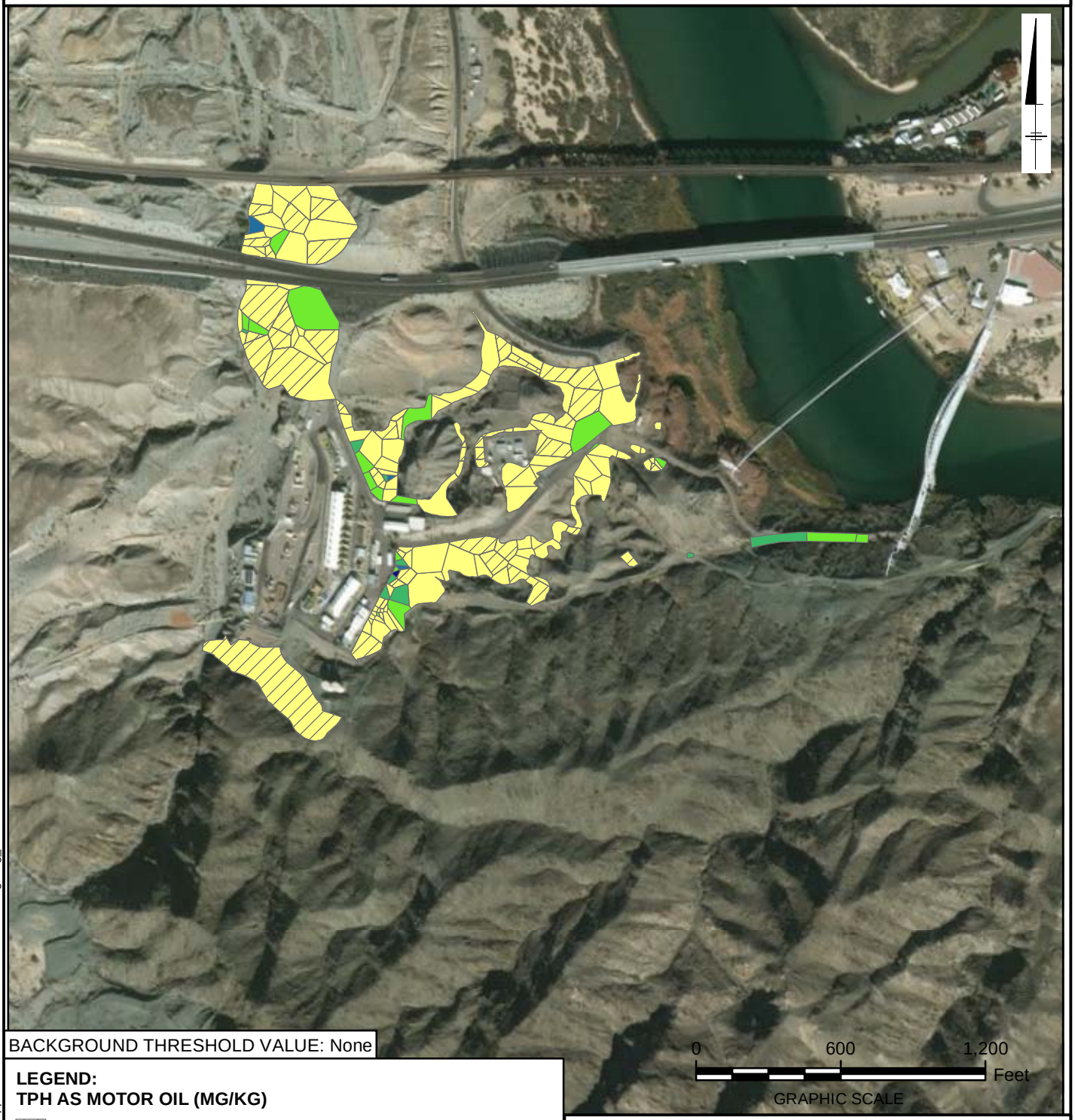
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.92

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 3 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 120.00
- ≥120.00 - 300.00
- ≥300.00 - 580.00
- ≥580.00 - 2830.00
- ≥2830.00 - 5940.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

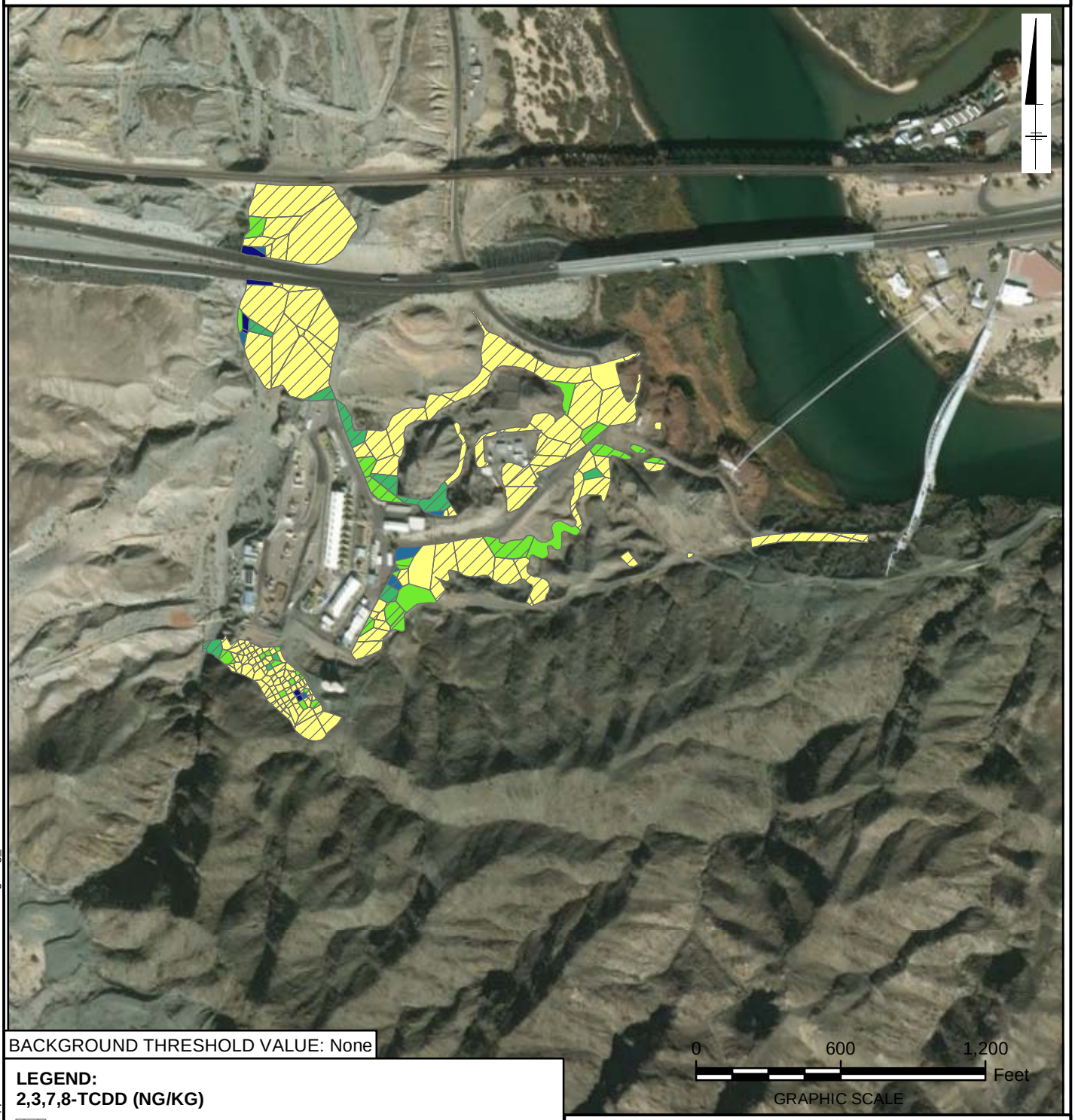
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.93

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.36
- ≥0.36 - 1.20
- ≥1.20 - 2.53
- ≥2.53 - 5.00
- ≥5.00 - 16.70

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

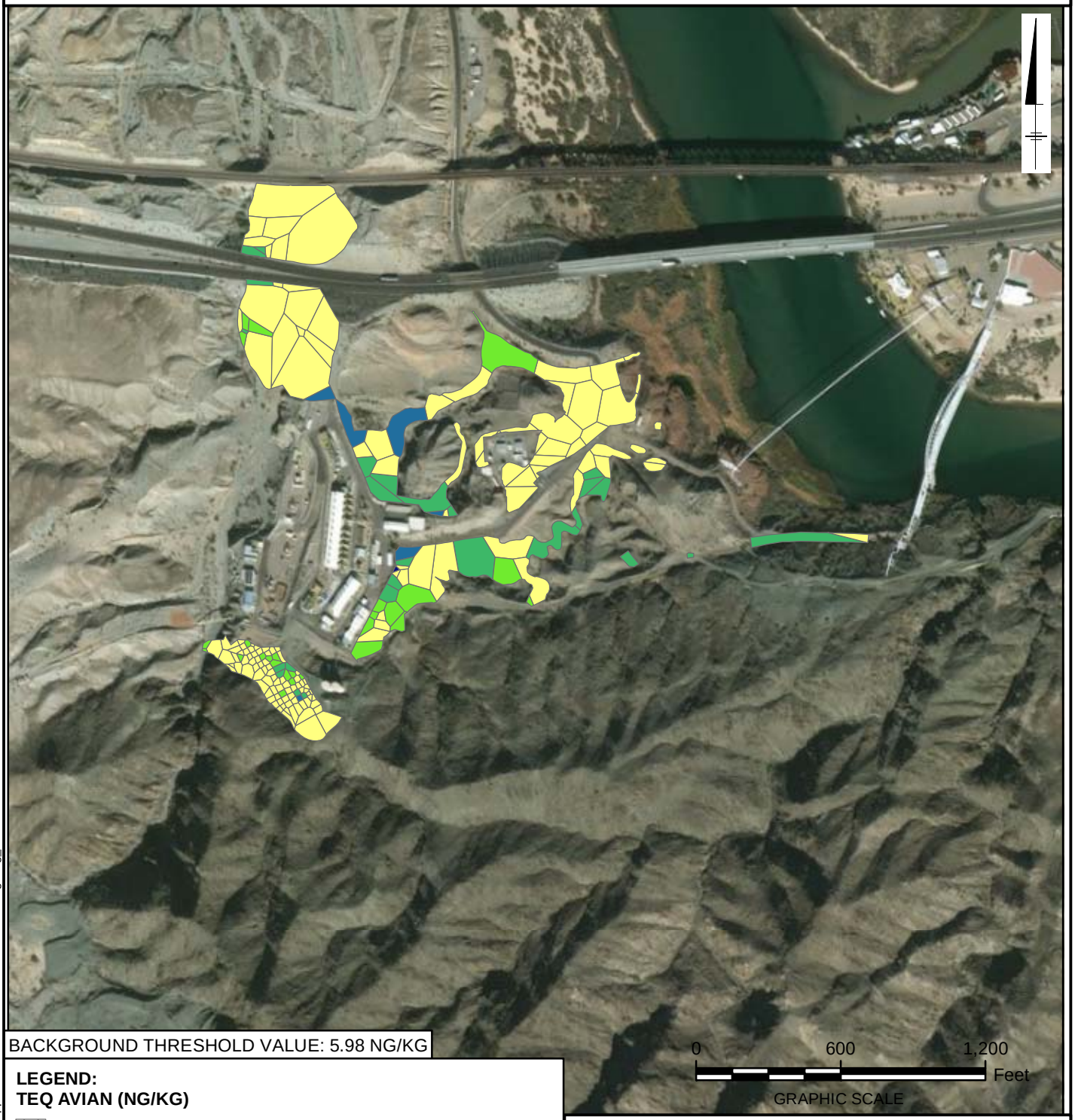
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.94

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 23.00
- ≥23.00 - 77.00
- ≥77.00 - 167.00
- ≥167.00 - 369.00
- ≥369.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

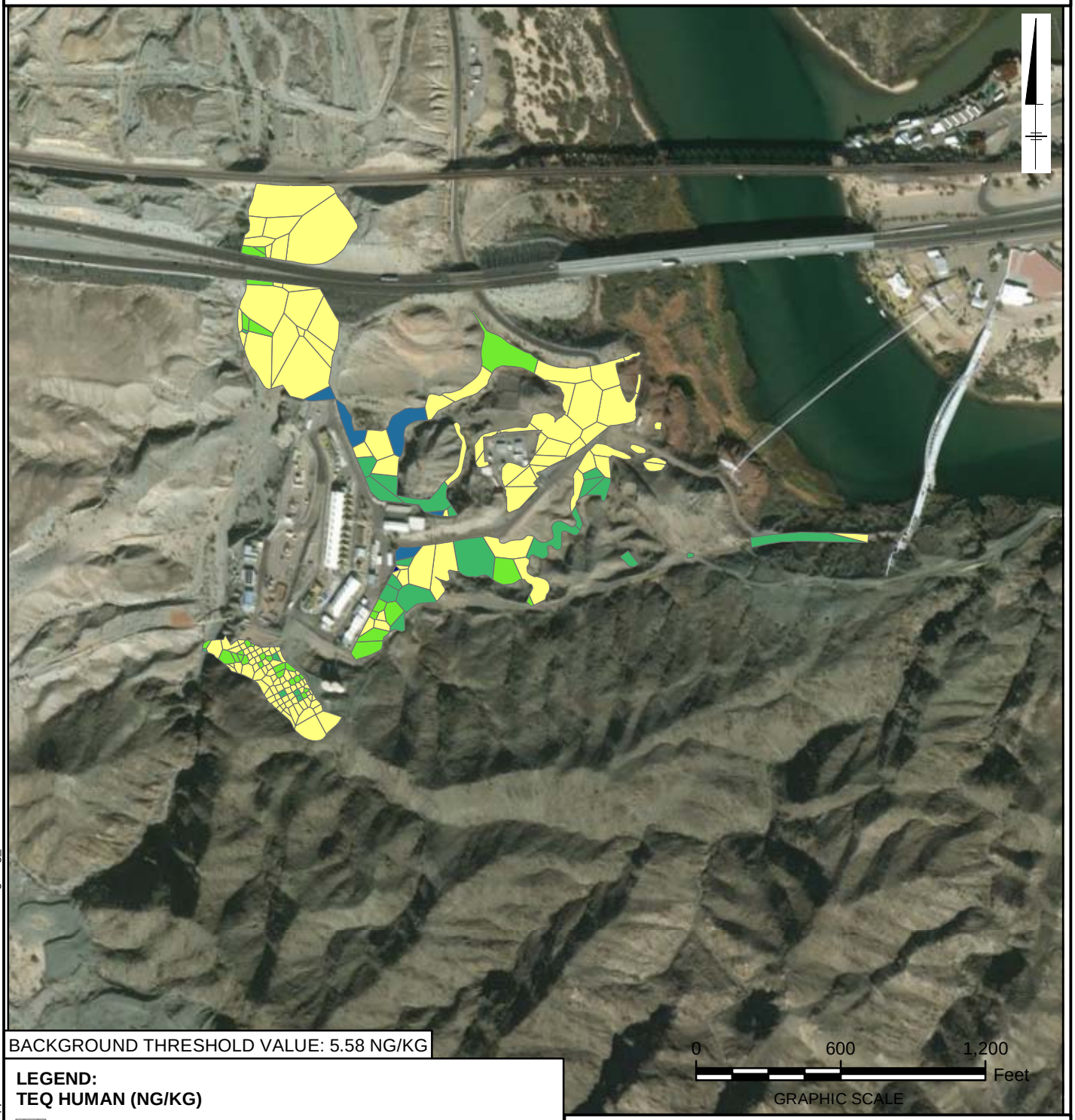
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.95

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 29.00
- ≥29.00 - 98.00
- ≥98.00 - 280.00
- ≥280.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

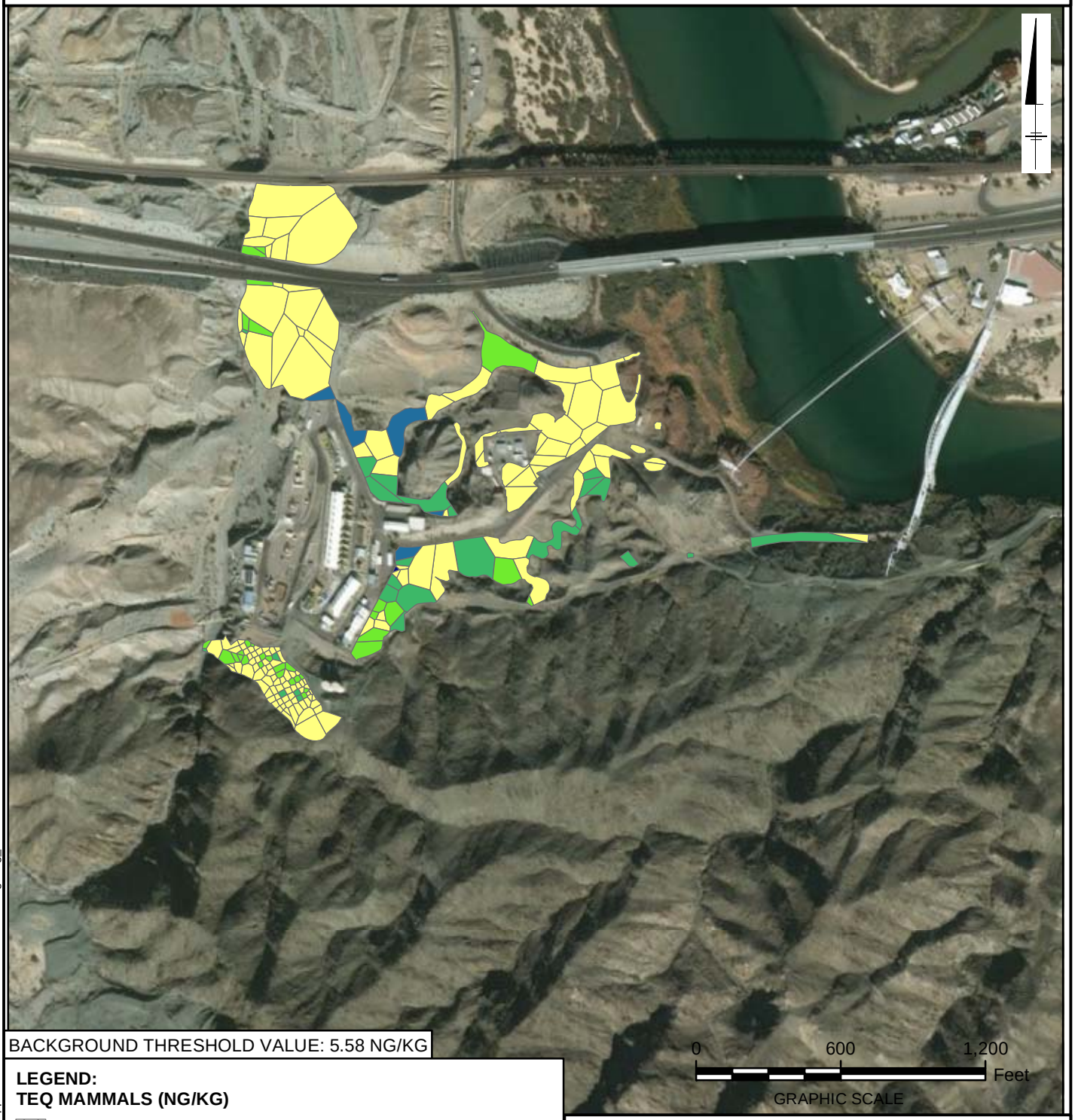
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.96

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 29.00
- ≥29.00 - 98.00
- ≥98.00 - 280.00
- ≥280.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

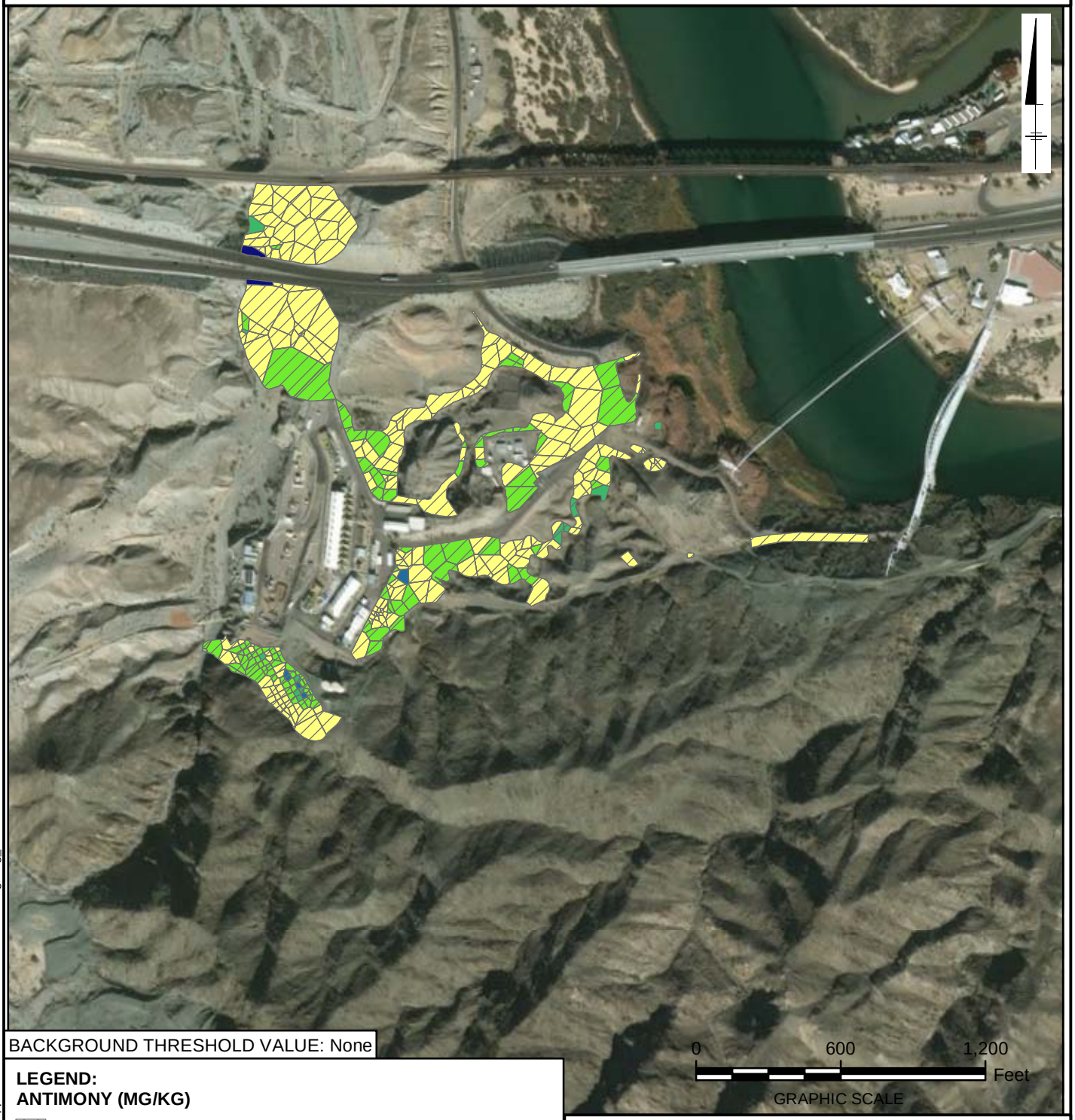
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.97

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 0.20 - 1.03
- ≥1.03 - 1.20
- ≥1.20 - 3.50
- ≥3.50 - 5.67
- ≥5.67 - 10.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

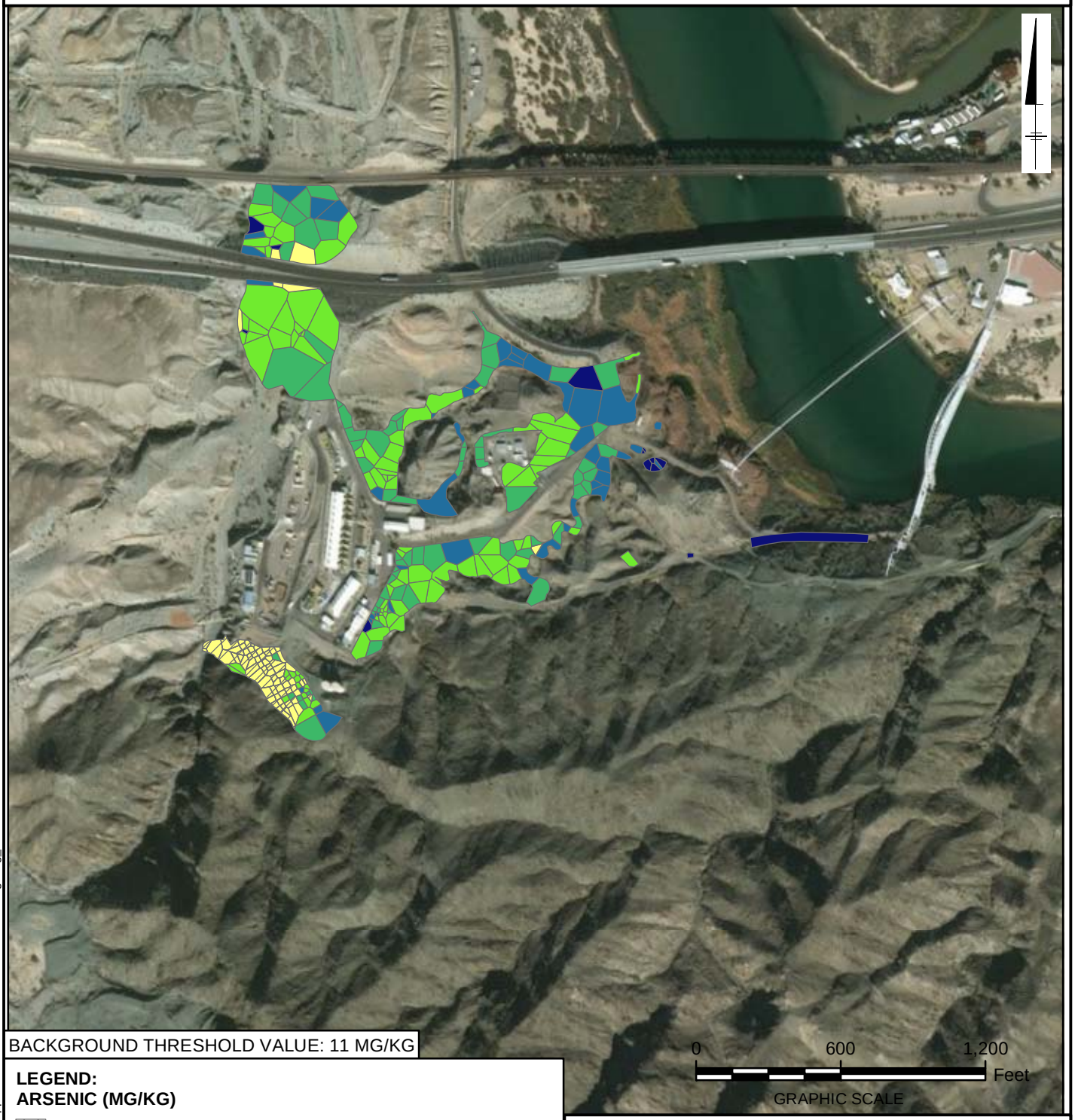
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.98

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.80
- ≥1.80 - 3.98
- ≥3.98 - 5.97
- ≥5.97 - 9.47
- ≥9.47 - 18.20

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

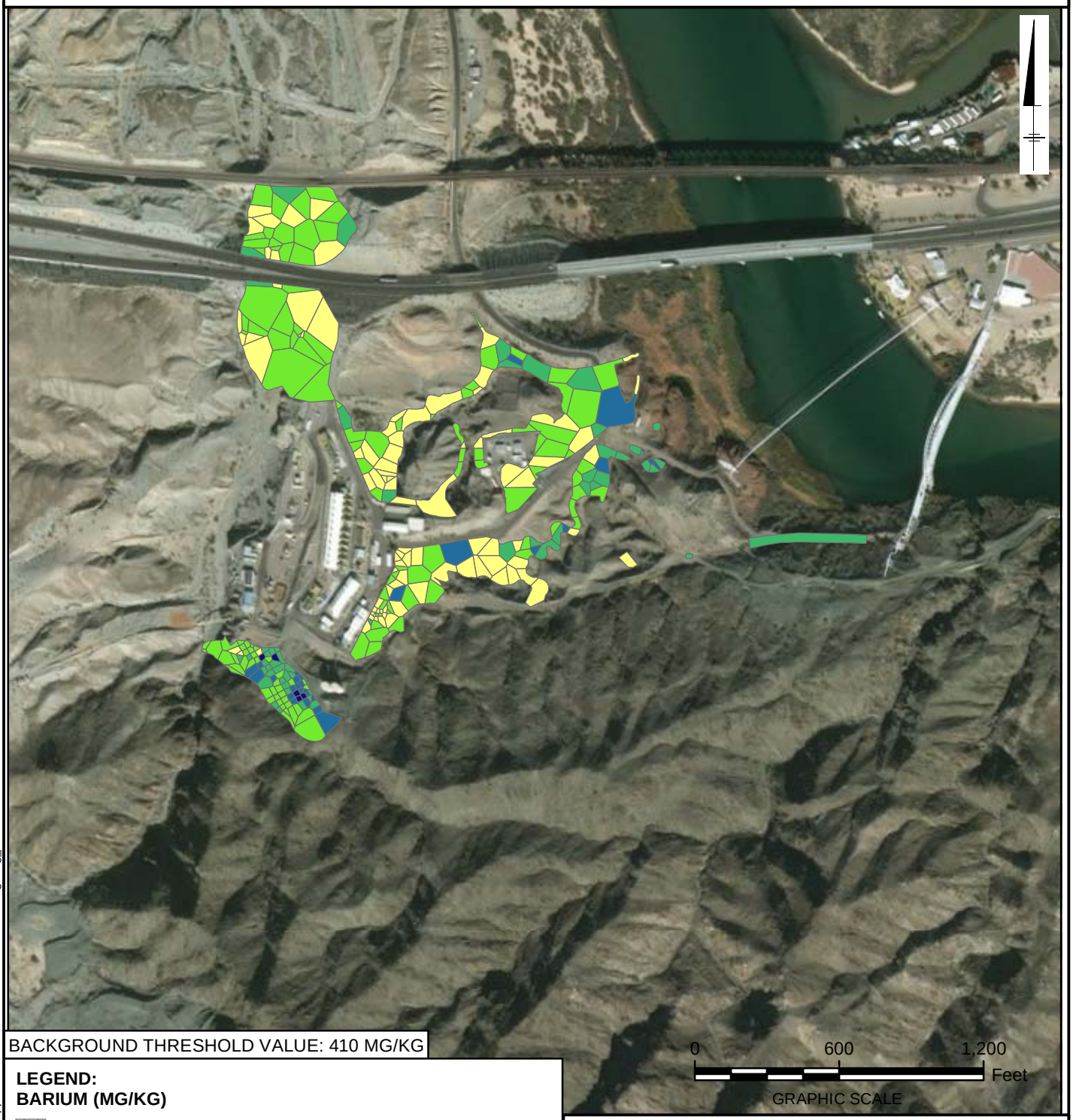
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.99

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 35.70 - 125.00
- ≥125.00 - 203.00
- ≥203.00 - 330.00
- ≥330.00 - 595.00
- ≥595.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

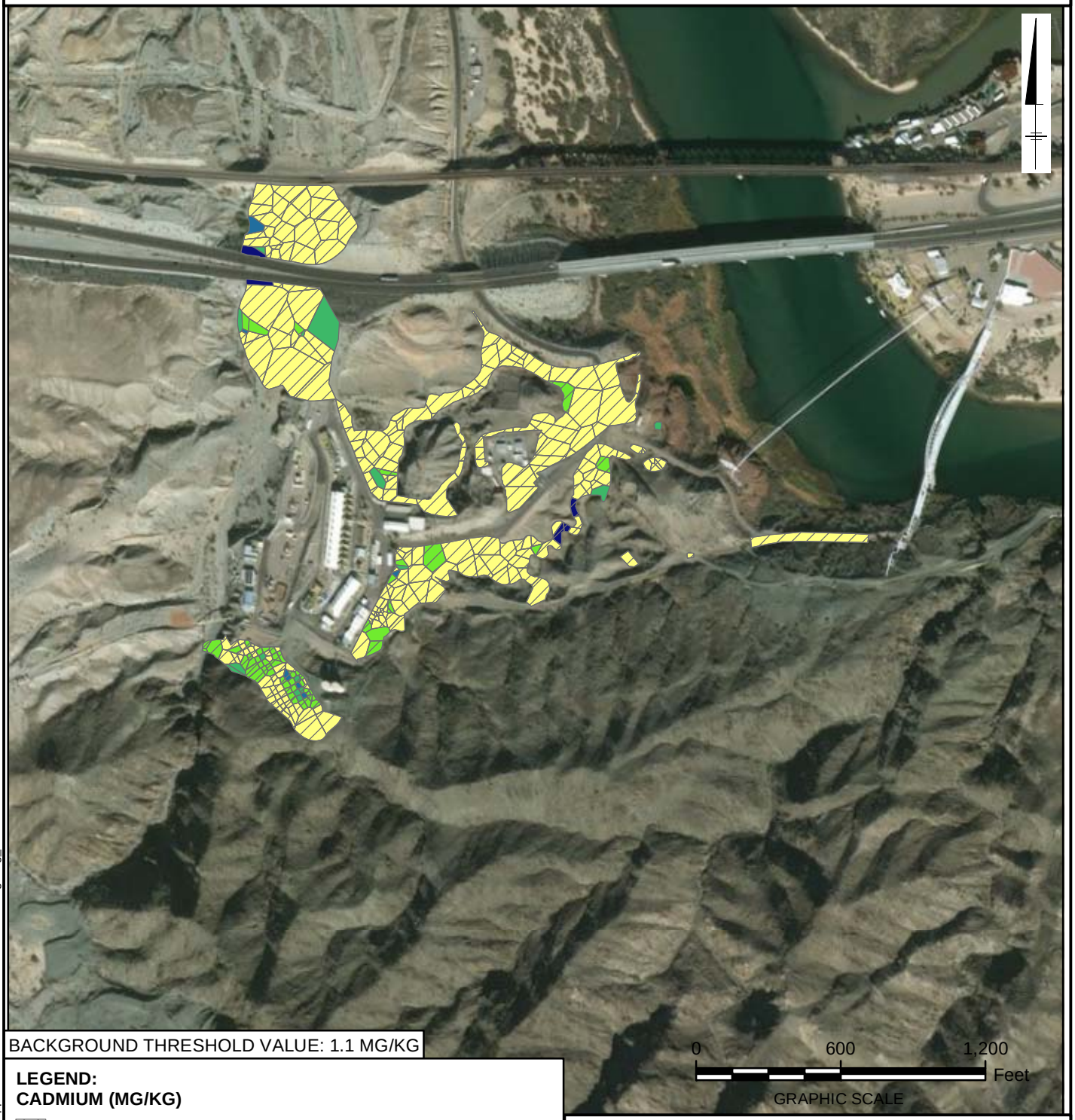
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.100

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.30 - 0.53
- ≥0.53 - 0.90
- ≥0.90 - 1.80
- ≥1.80 - 2.90
- ≥2.90 - 4.90

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

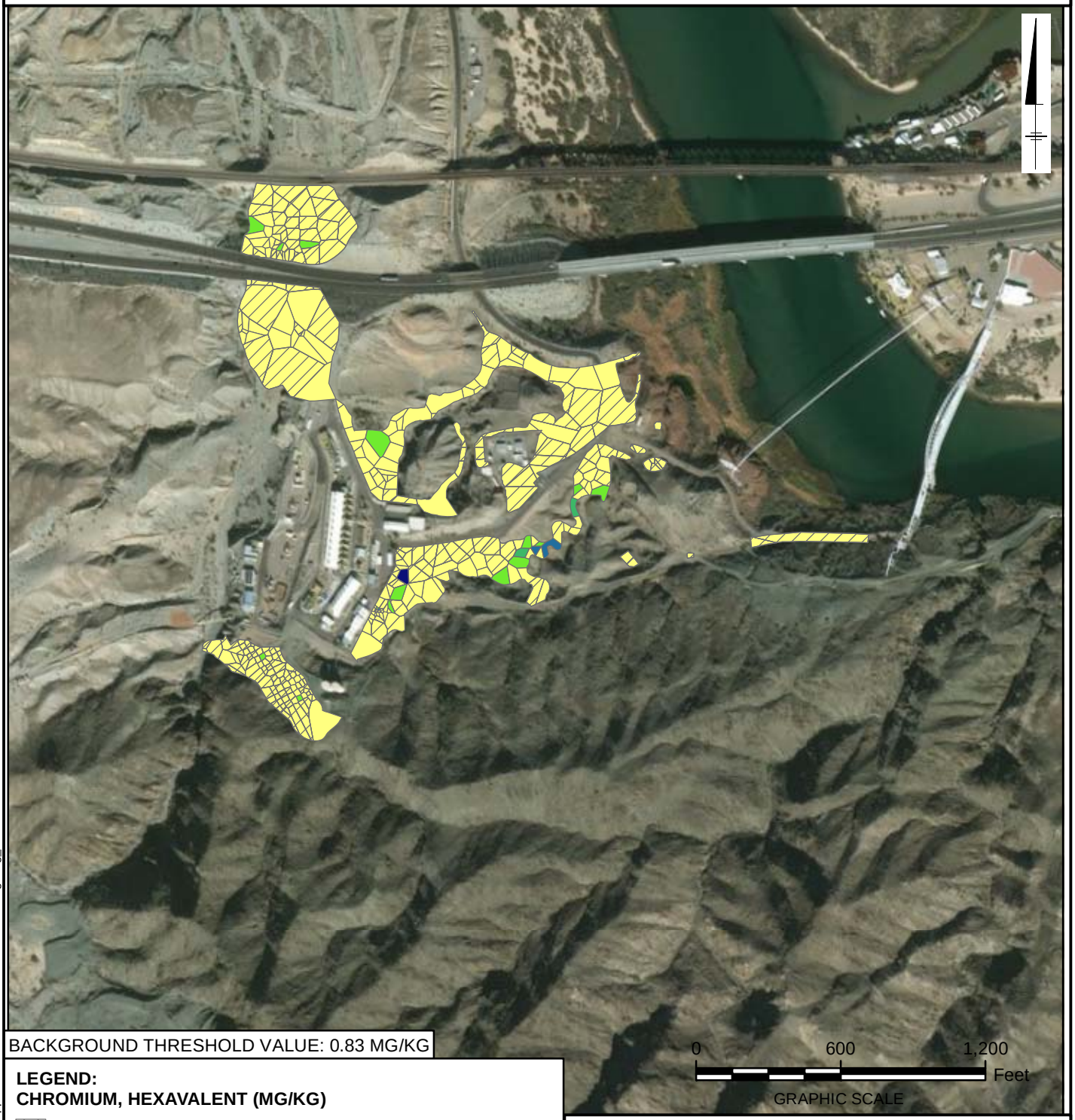
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.101

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.08 - 6.00
- ≥6.00 - 21.60
- ≥21.60 - 41.00
- ≥41.00 - 150.00
- ≥150.00 - 908.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

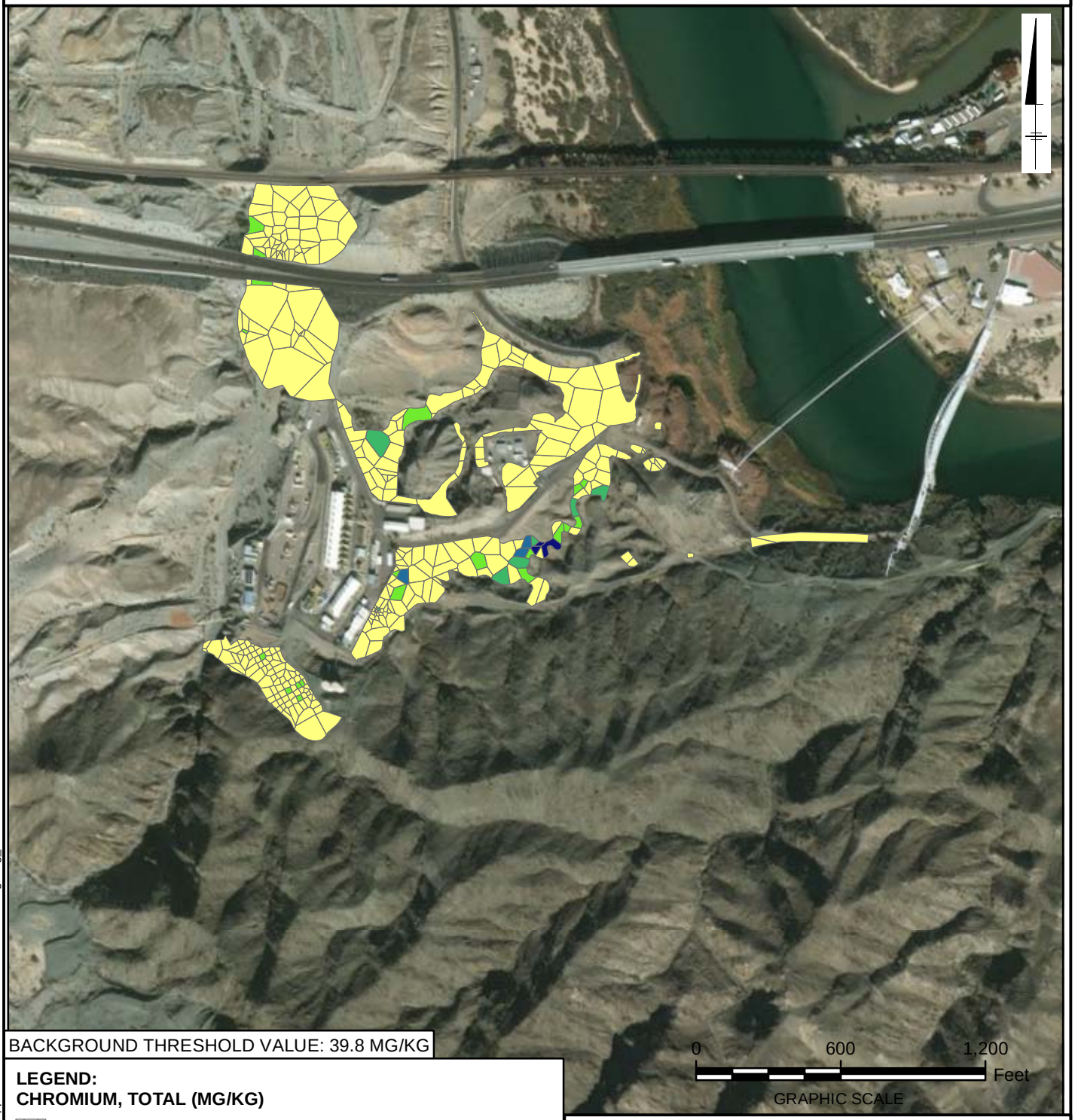
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.102

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 5.67 - 89.50
- ≥89.50 - 243.00
- ≥243.00 - 652.00
- ≥652.00 - 1610.00
- ≥1610.00 - 4000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

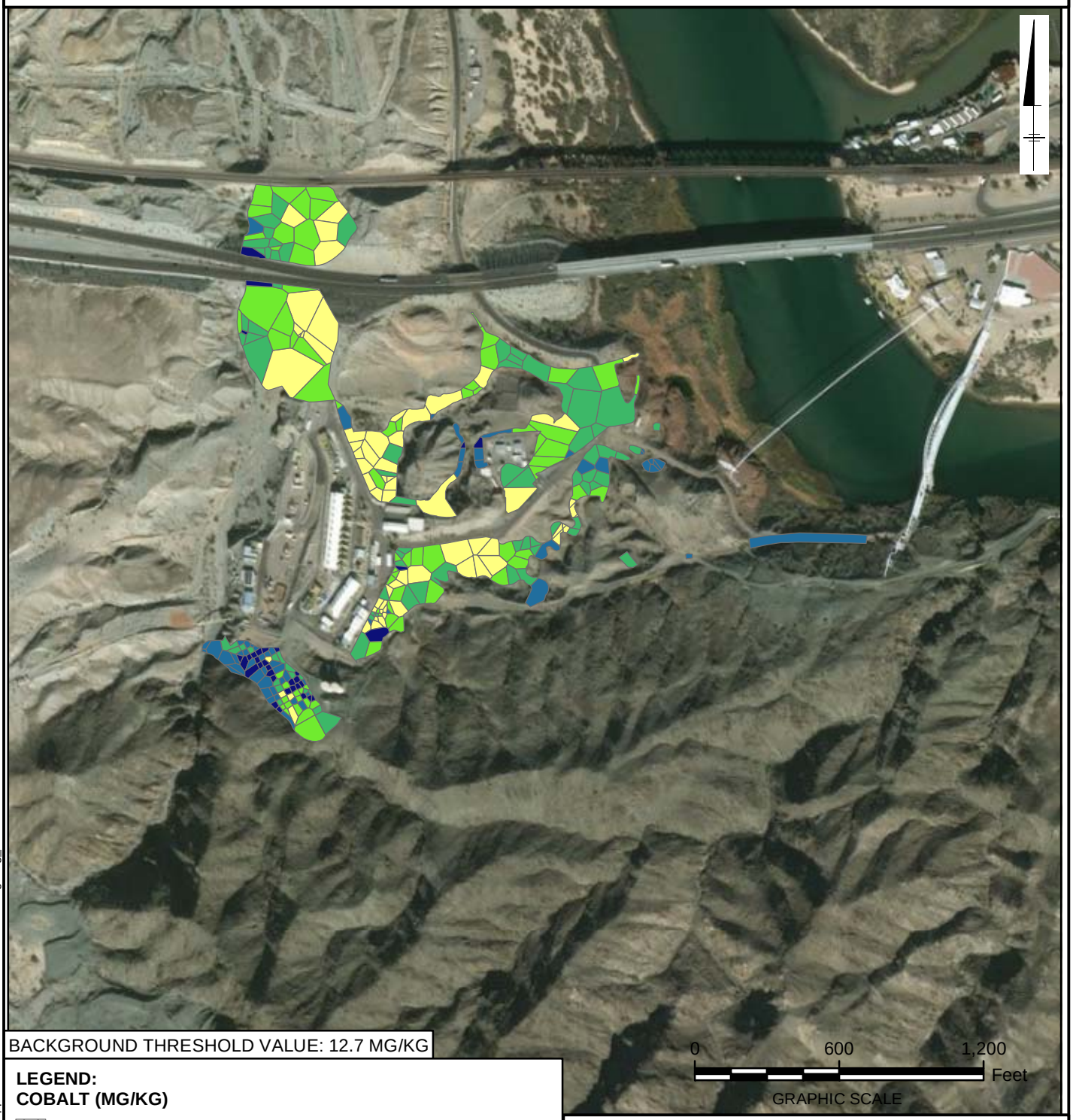
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.103

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 2.20 - 4.90
- ≥4.90 - 6.60
- ≥6.60 - 8.40
- ≥8.40 - 11.00
- ≥11.00 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

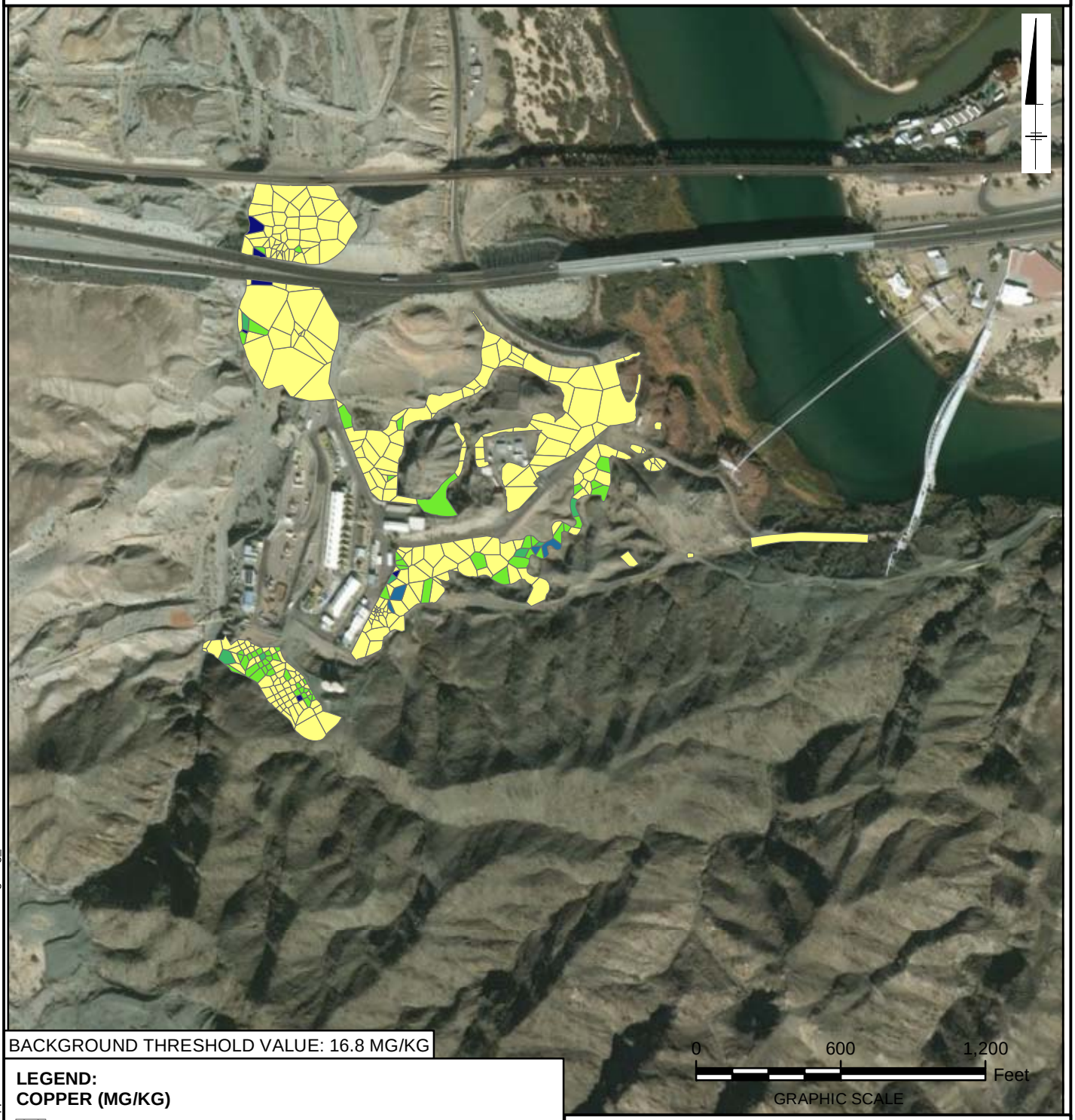
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.104

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 2.20 - 24.00
- ≥24.00 - 90.00
- ≥90.00 - 210.00
- ≥210.00 - 399.00
- ≥399.00 - 1040.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

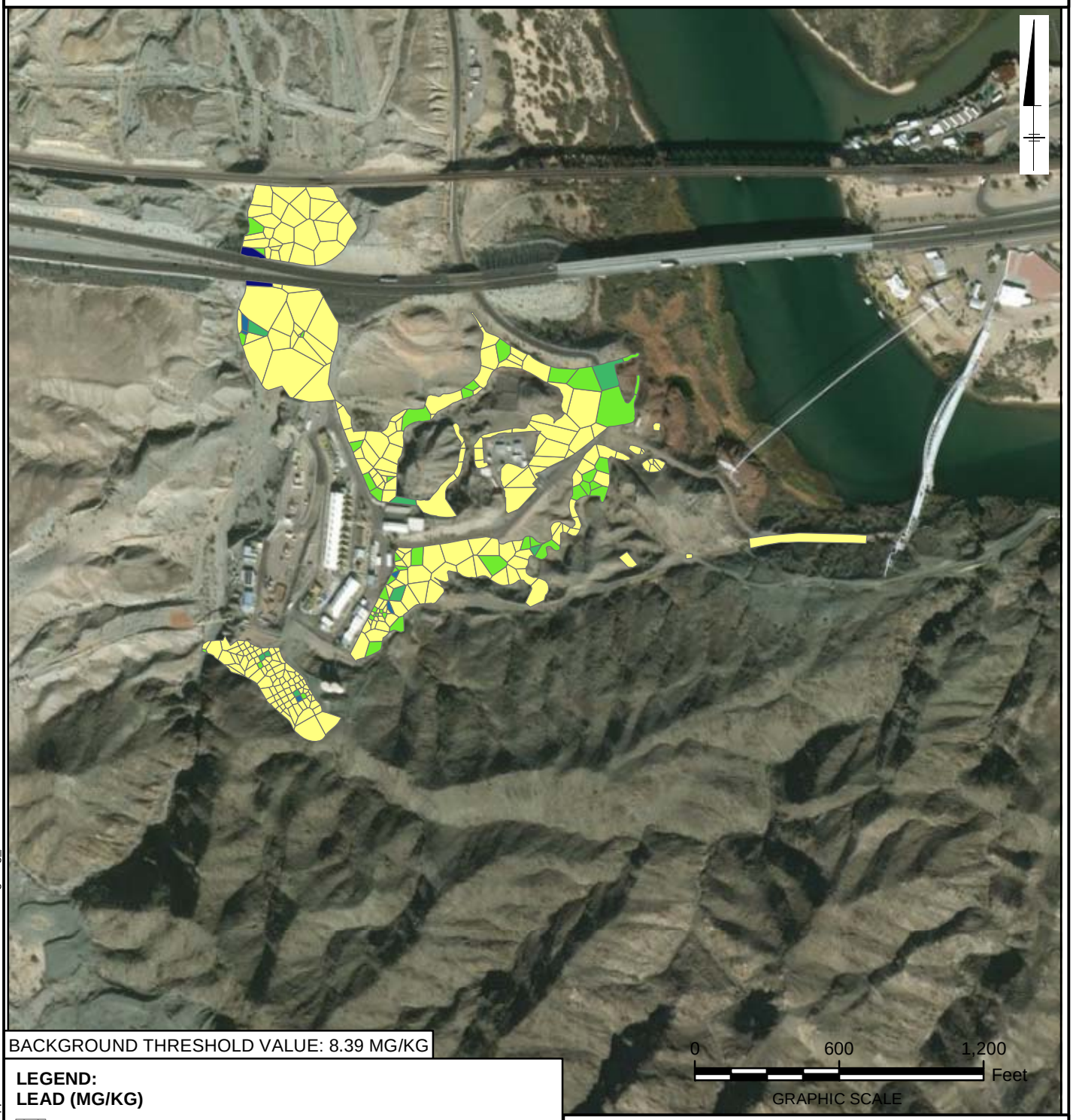
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.105

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.50 - 15.00
- ≥15.00 - 60.60
- ≥60.60 - 160.00
- ≥160.00 - 342.00
- ≥342.00 - 803.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

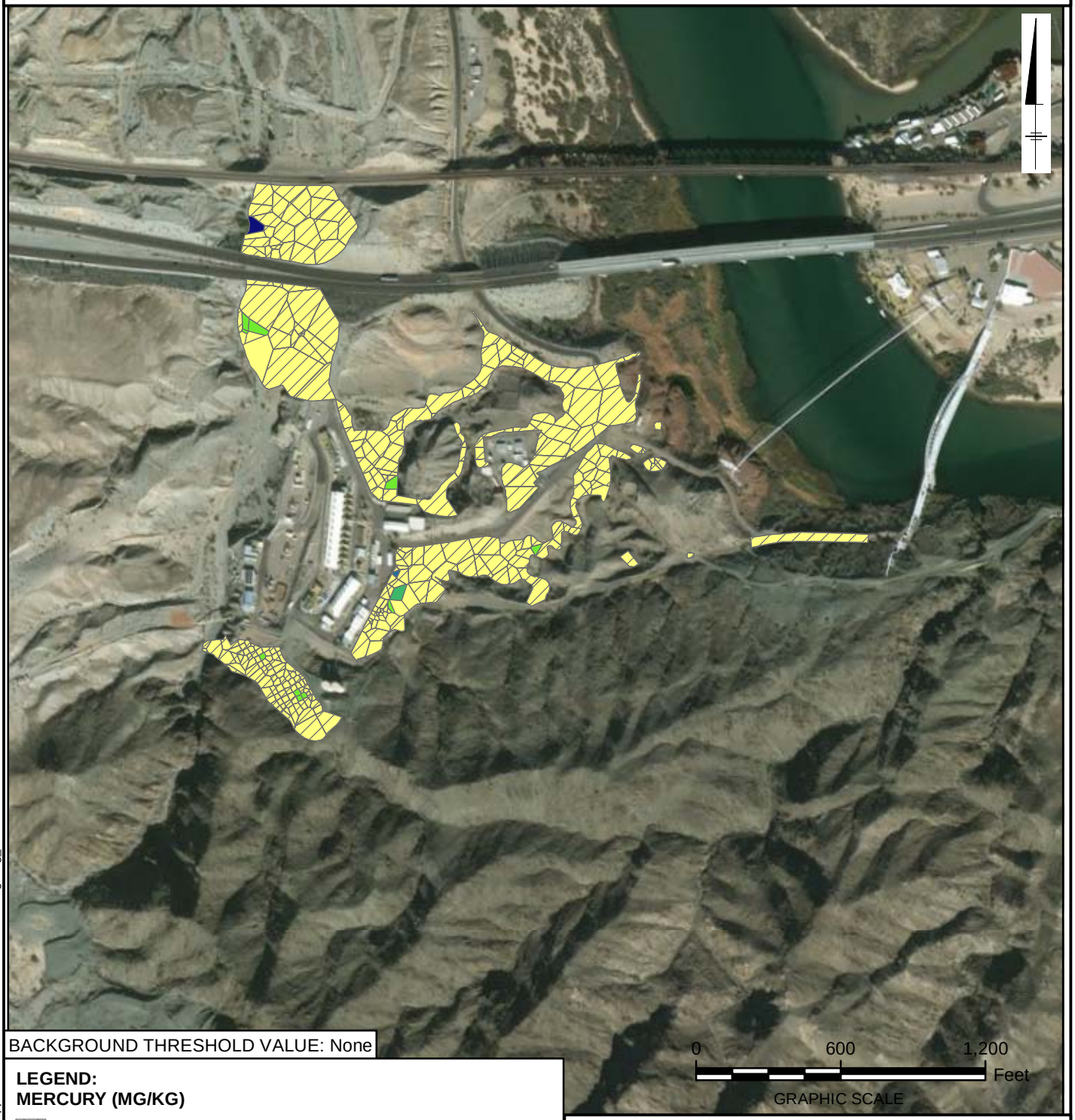
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.106

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.22
- ≥0.22 - 0.64
- ≥0.64 - 2.19
- ≥2.19 - 11.70
- ≥11.70 - 102.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

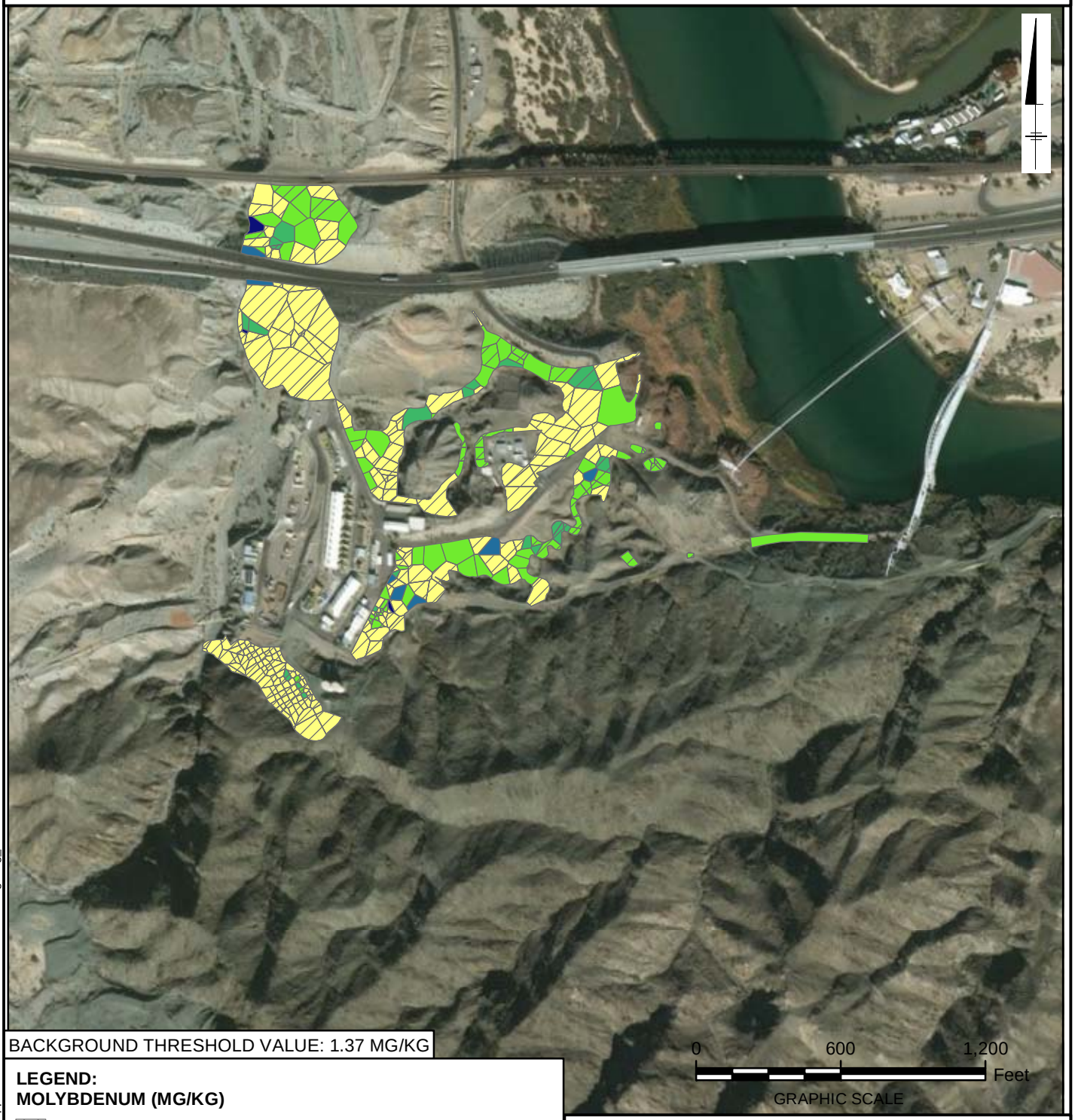
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.107

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.77
- ≥0.77 - 1.75
- ≥1.75 - 3.52
- ≥3.52 - 9.80
- ≥9.80 - 34.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

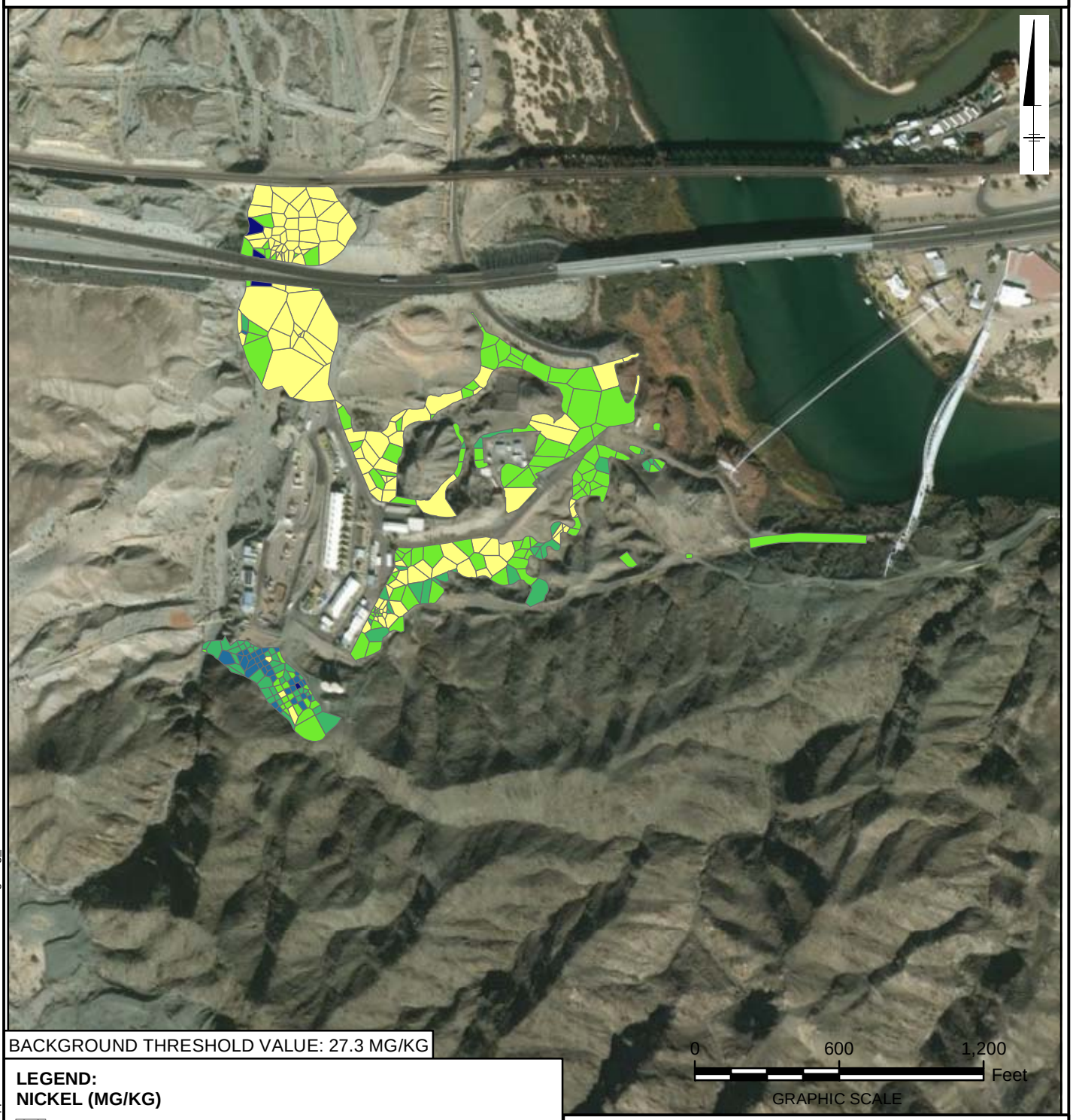
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.108

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 11.50
- ≥11.50 - 19.20
- ≥19.20 - 31.30
- ≥31.30 - 65.00
- ≥65.00 - 140.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

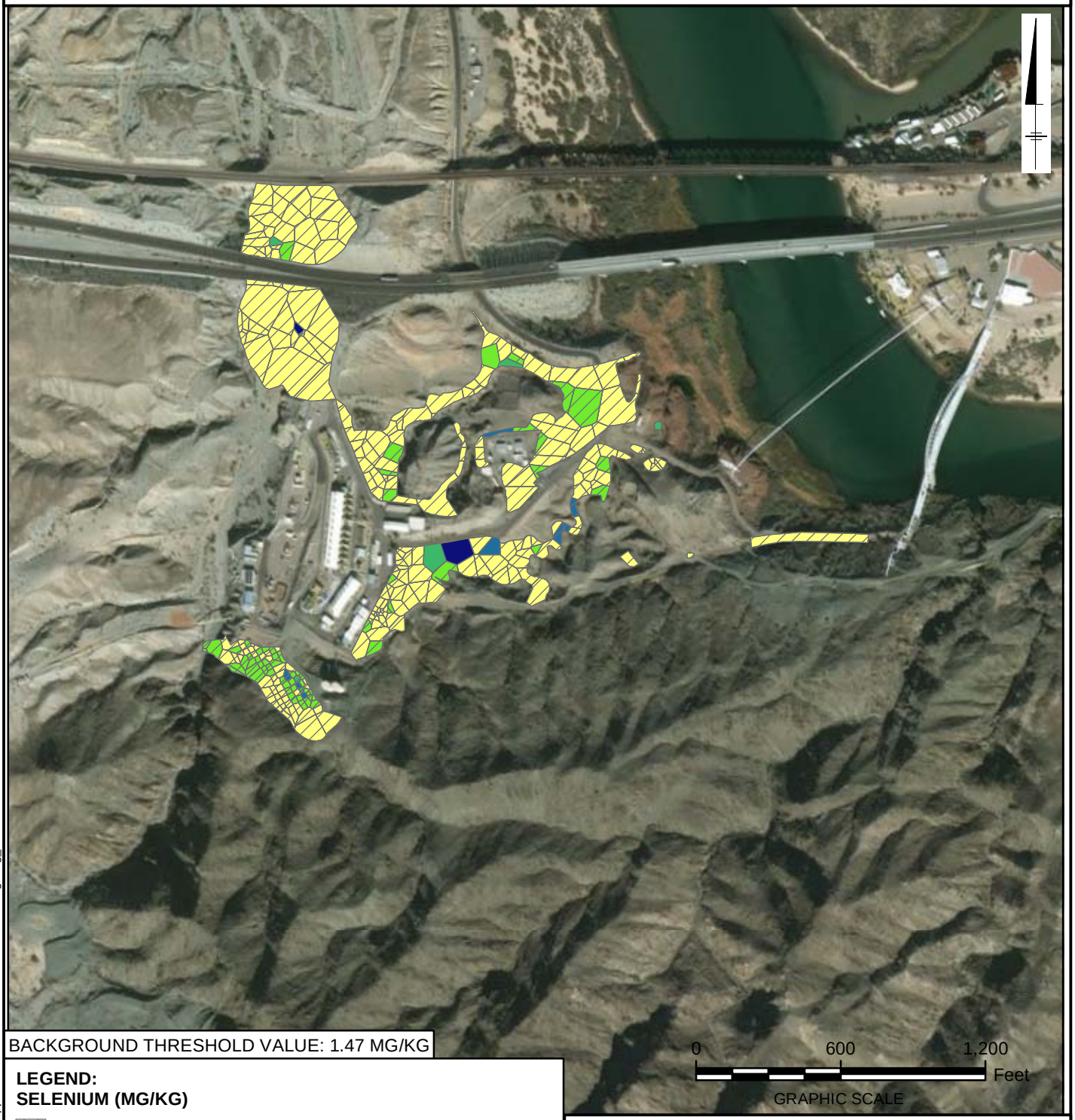
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.109

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
SELENIUM



BACKGROUND THRESHOLD VALUE: 1.47 MG/KG

LEGEND:
SELENIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.53
- ≥0.53 - 0.77
- ≥0.77 - 1.50
- ≥1.50 - 2.75
- ≥2.75 - 9.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

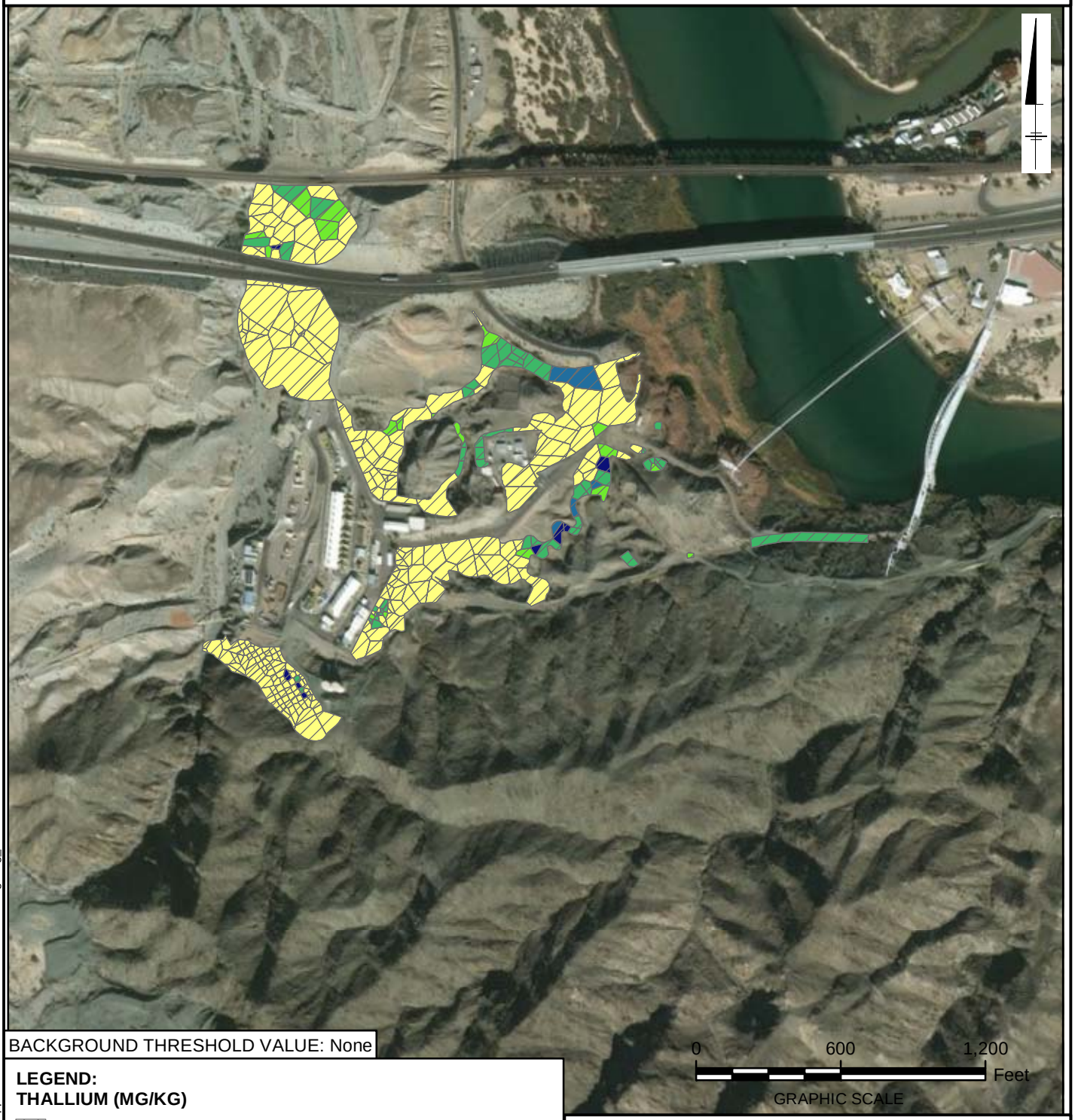
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.110

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
THALLIUM



BACKGROUND THRESHOLD VALUE: None

LEGEND:
THALLIUM (MG/KG)

- NOT DETECTED
- 0.50 - 1.20
- ≥1.20 - 1.78
- ≥1.78 - 2.55
- ≥2.55 - 4.40
- ≥4.40 - 7.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

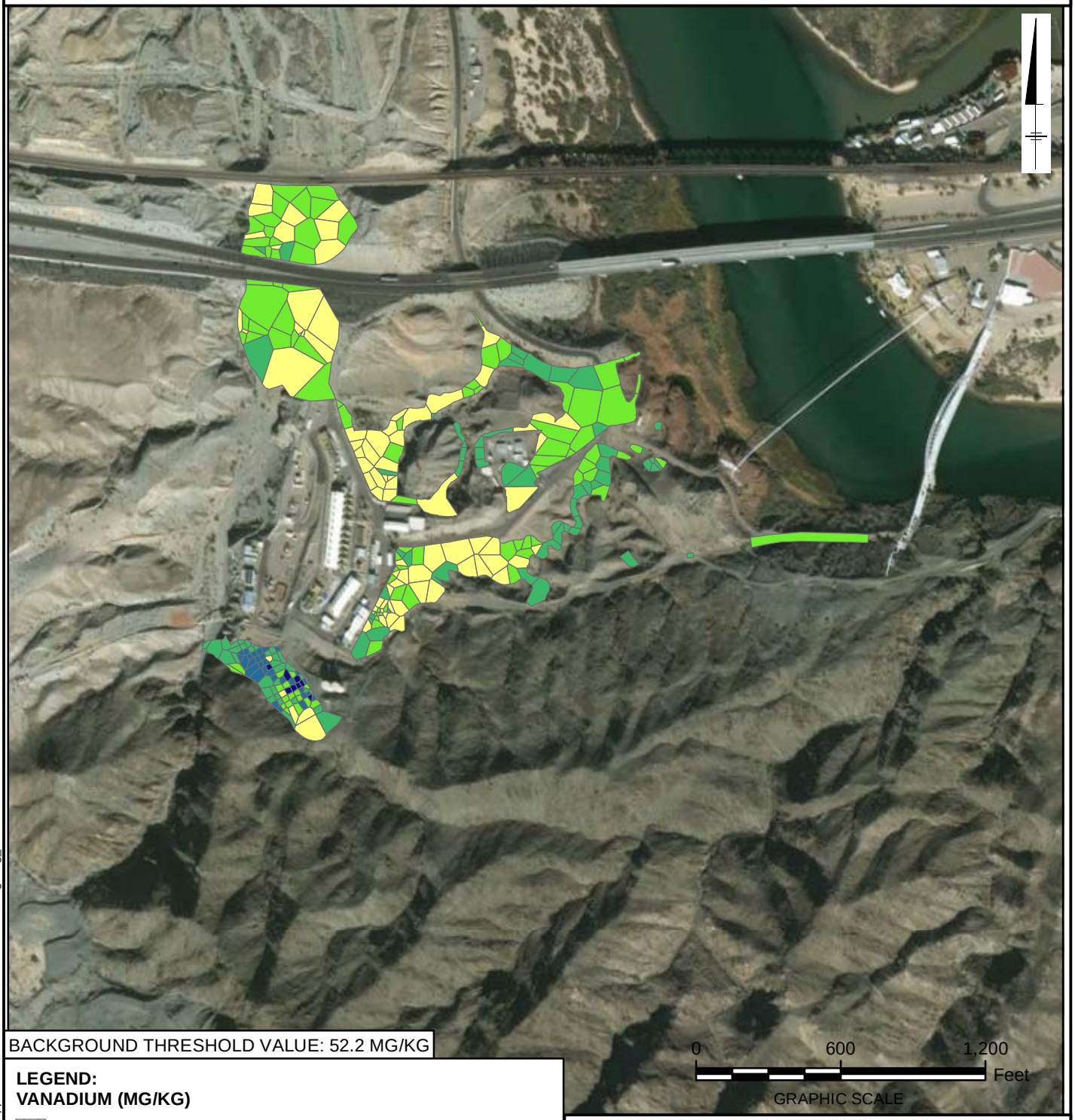
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.111

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 12.20 - 24.00
- ≥24.00 - 32.70
- ≥32.70 - 46.00
- ≥46.00 - 67.00
- ≥67.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

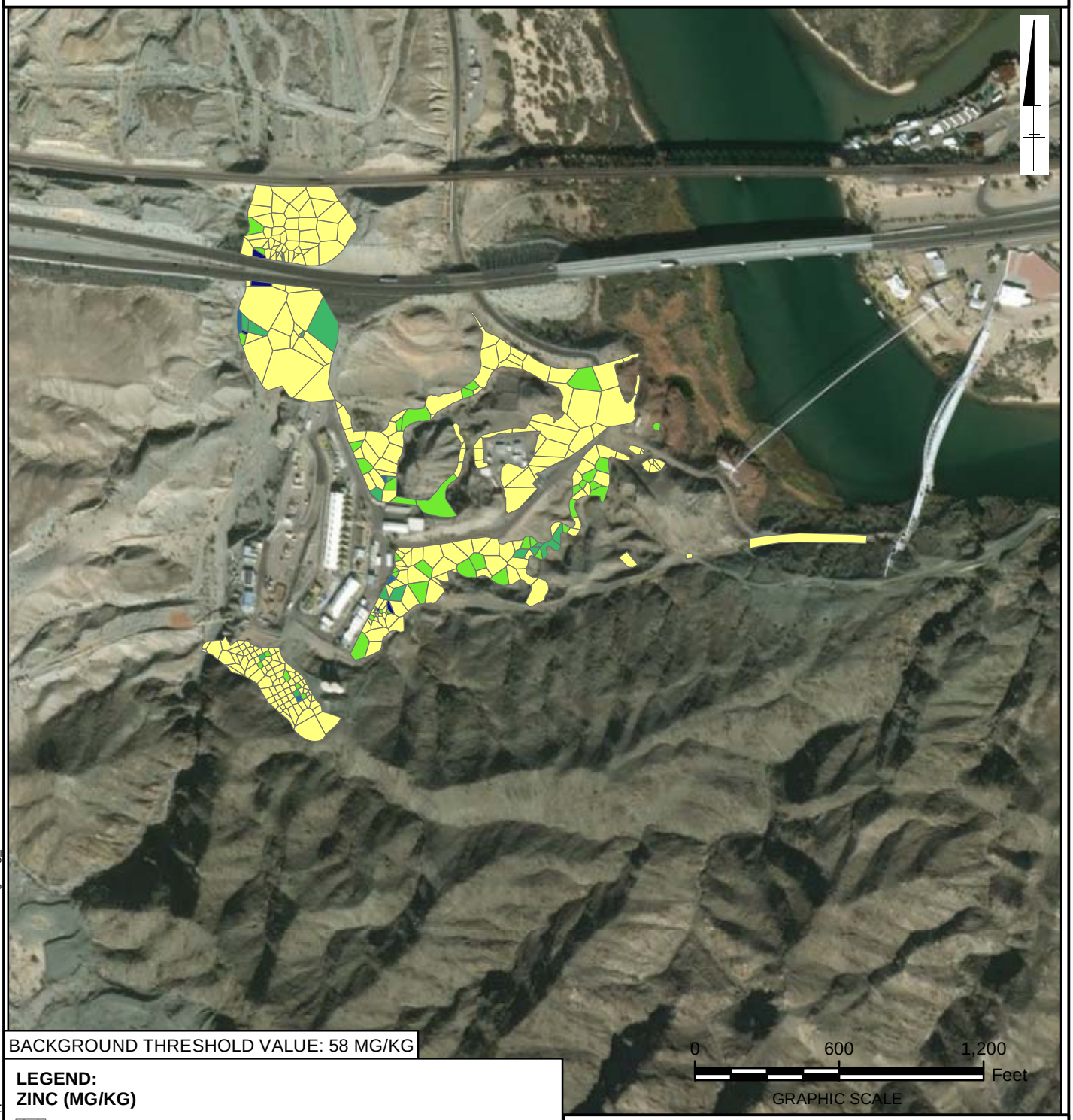
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.112

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 4.46 - 71.00
- ≥71.00 - 170.00
- ≥170.00 - 343.00
- ≥343.00 - 550.00
- ≥550.00 - 1020.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

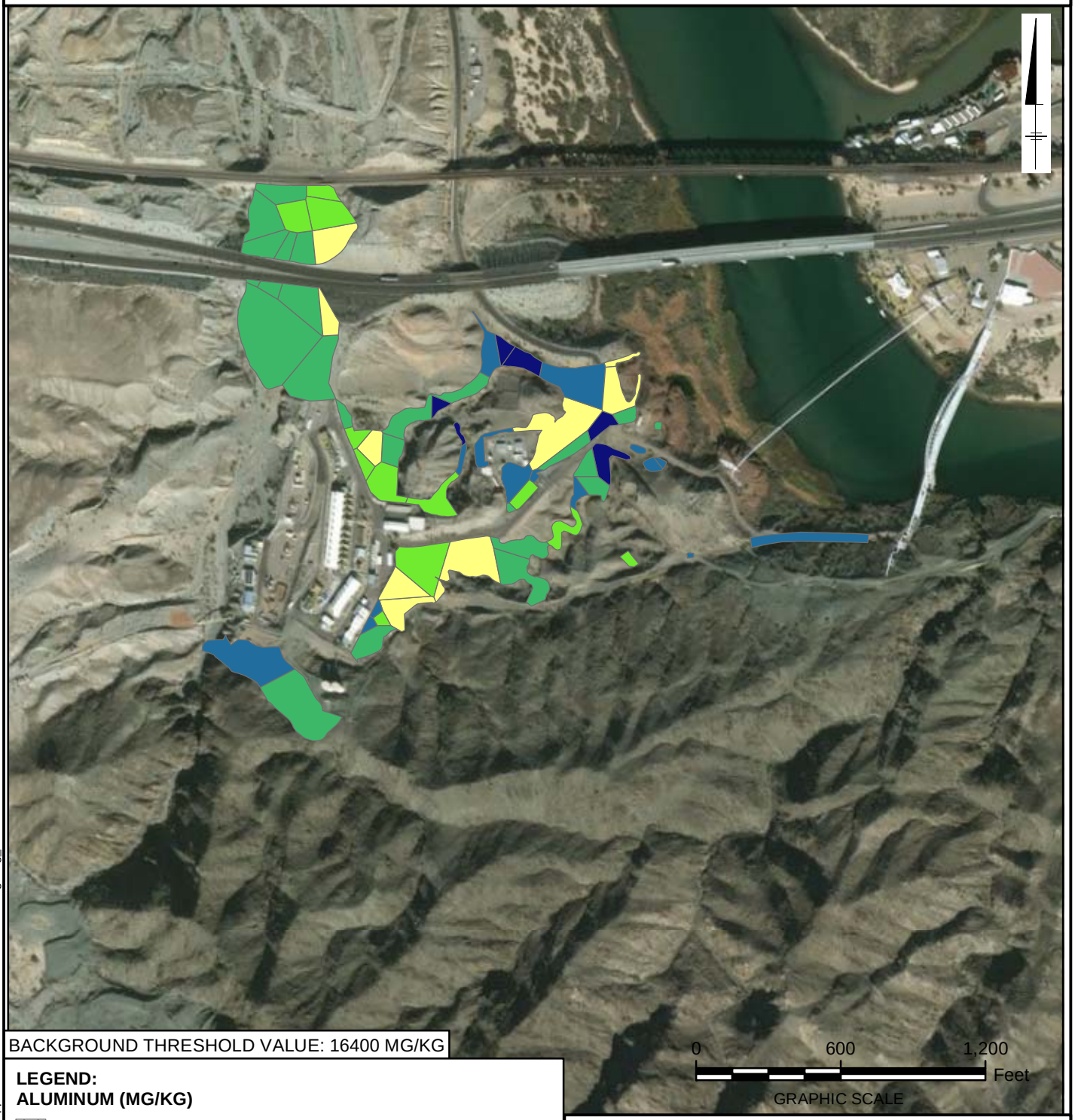
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.113

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 4930.00
- ≥4930.00 - 7200.00
- ≥7200.00 - 9530.00
- ≥9530.00 - 13000.00
- ≥13000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

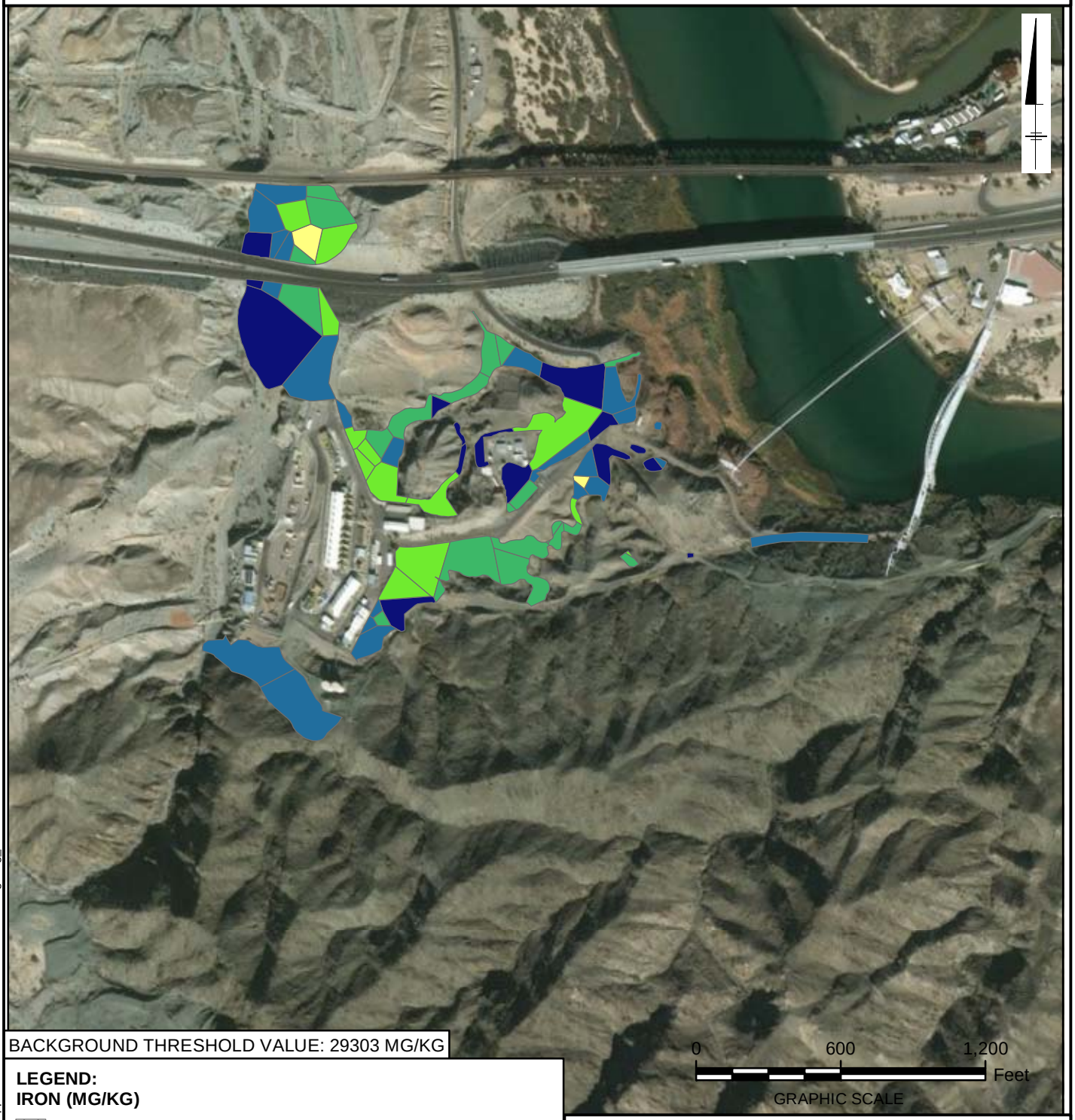
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.114

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 425.00 - 540.00
- ≥540.00 - 11000.00
- ≥11000.00 - 16000.00
- ≥16000.00 - 22000.00
- ≥22000.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

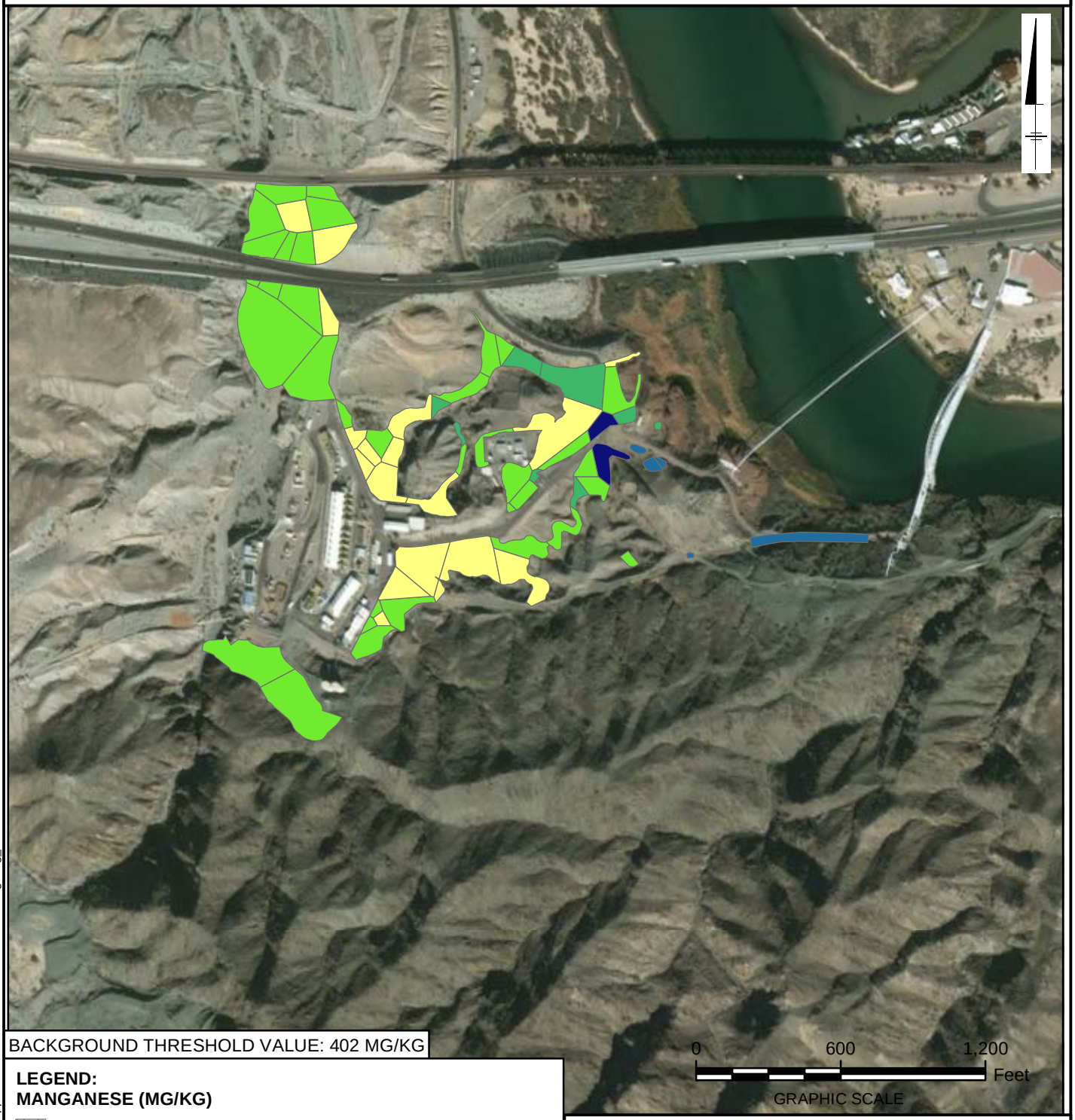
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.115

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 120.00 - 220.00
- ≥220.00 - 330.00
- ≥330.00 - 470.00
- ≥470.00 - 840.00
- ≥840.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

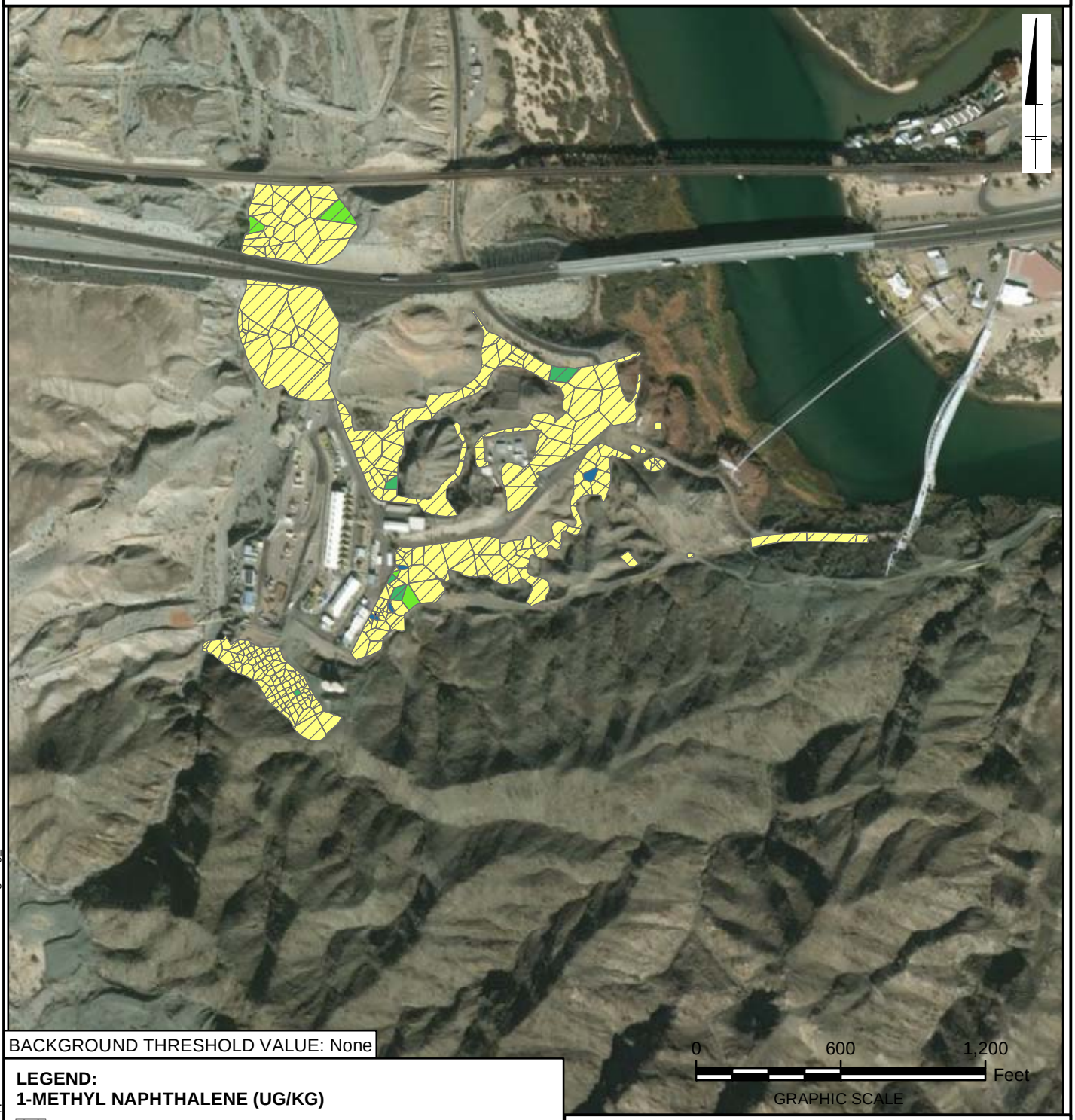
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.116

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.77
- ≥3.77 - 7.81
- ≥7.81 - 11.20
- ≥11.20 - 86.70
- ≥86.70 - 200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

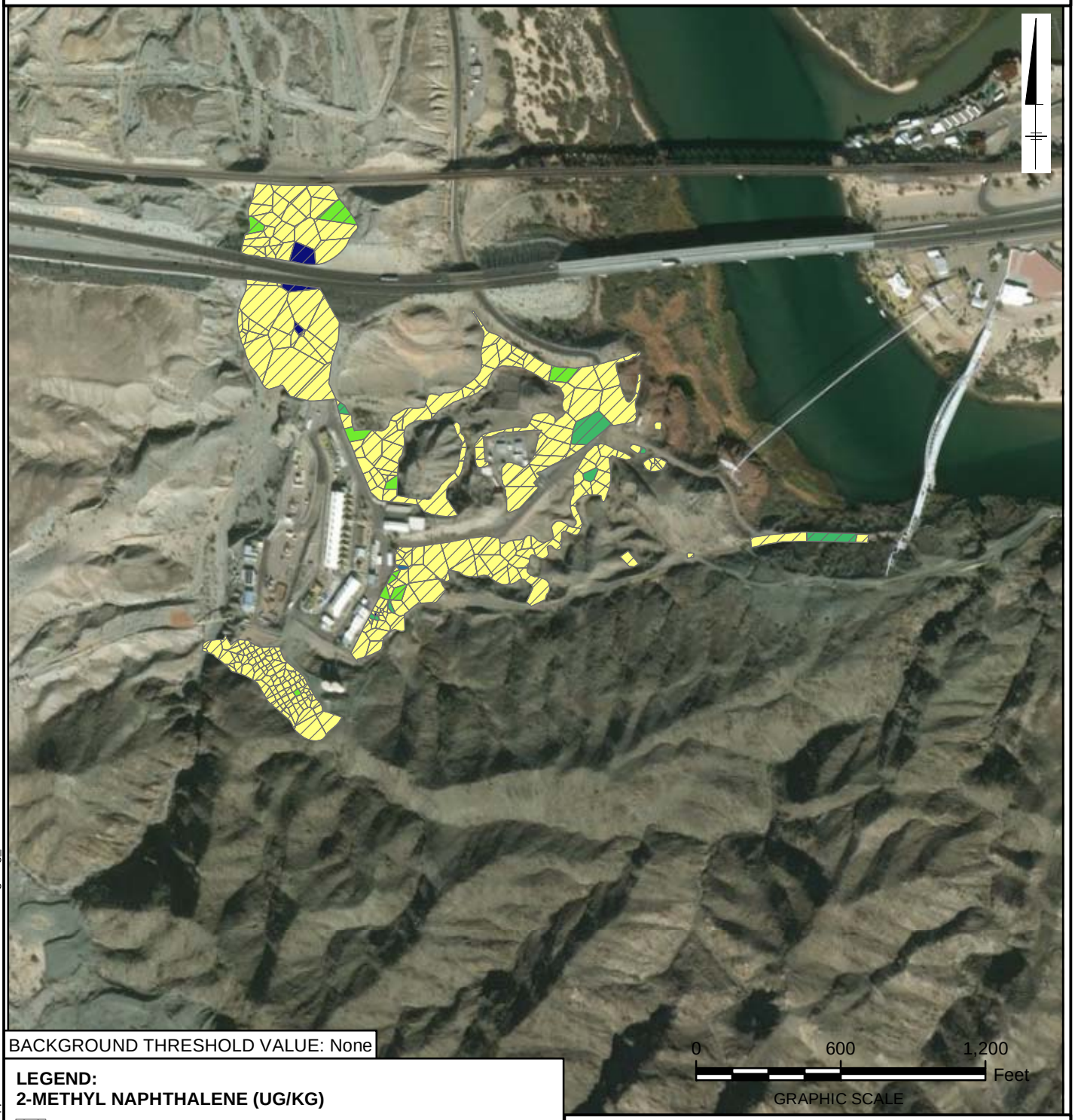
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.117

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.07
- ≥5.07 - 14.50
- ≥14.50 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

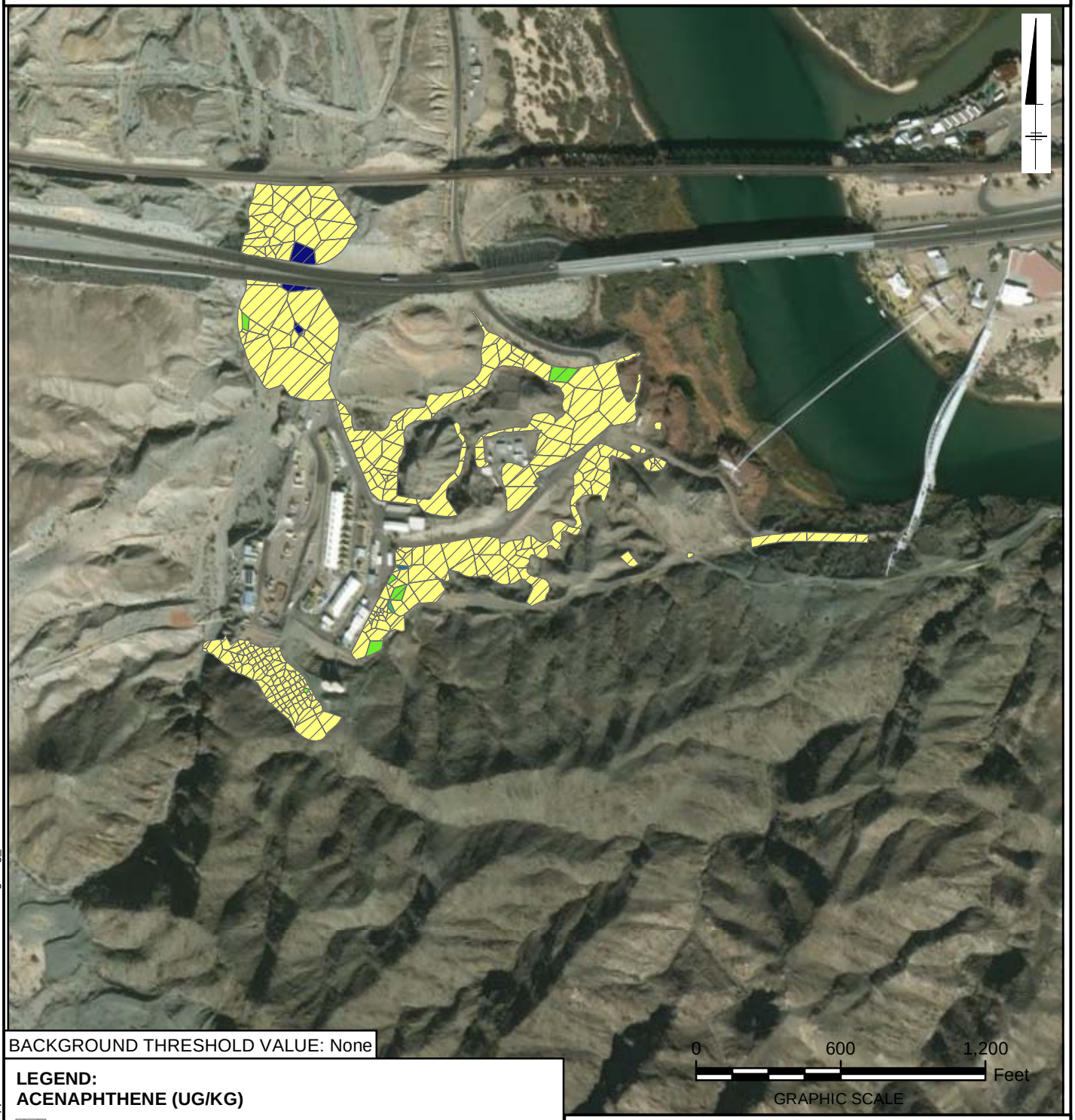
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.118

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 7.81
- ≥7.81 - 22.00
- ≥22.00 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

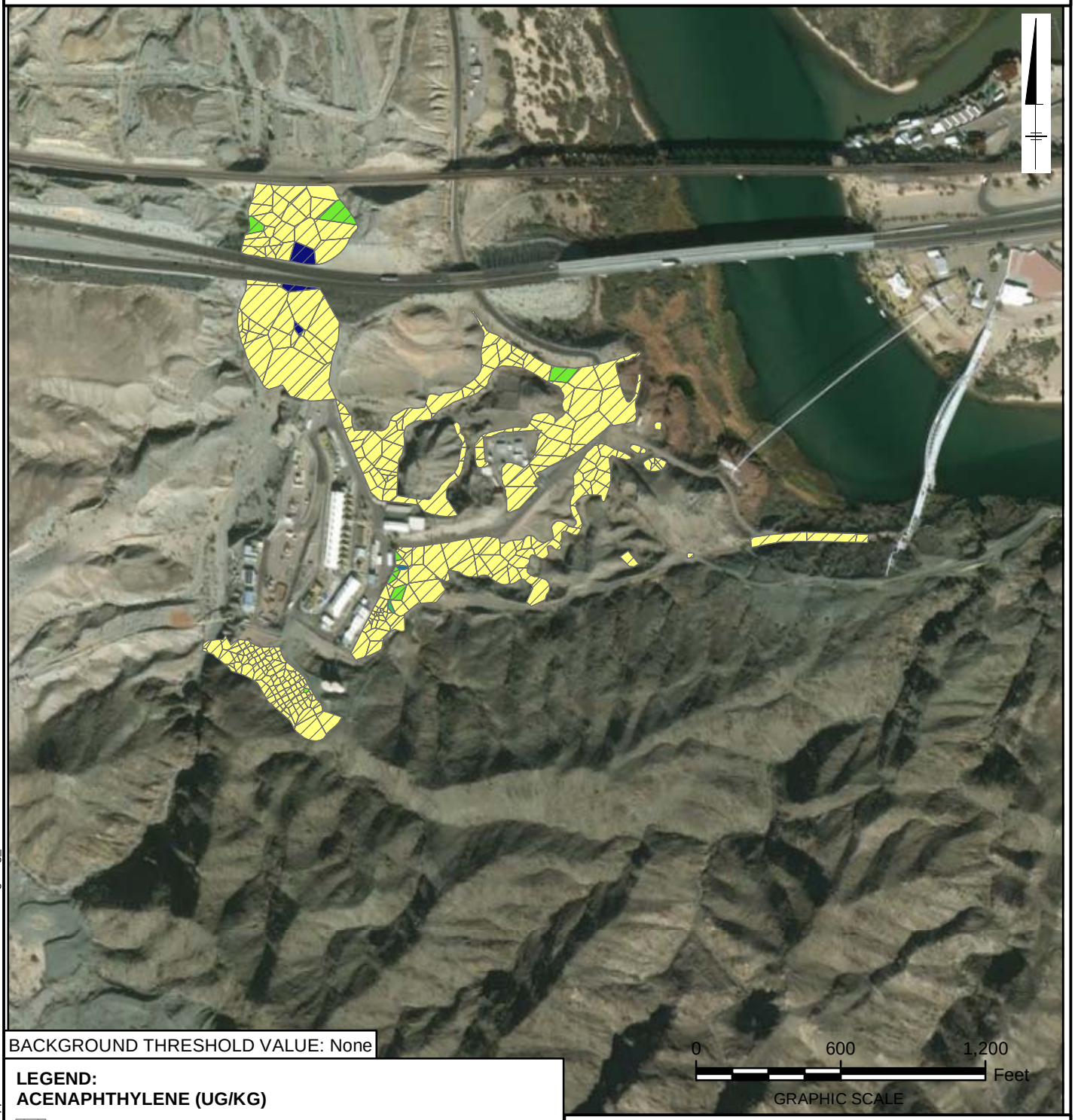
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.119

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.77
- ≥4.77 - 11.20
- ≥11.20 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

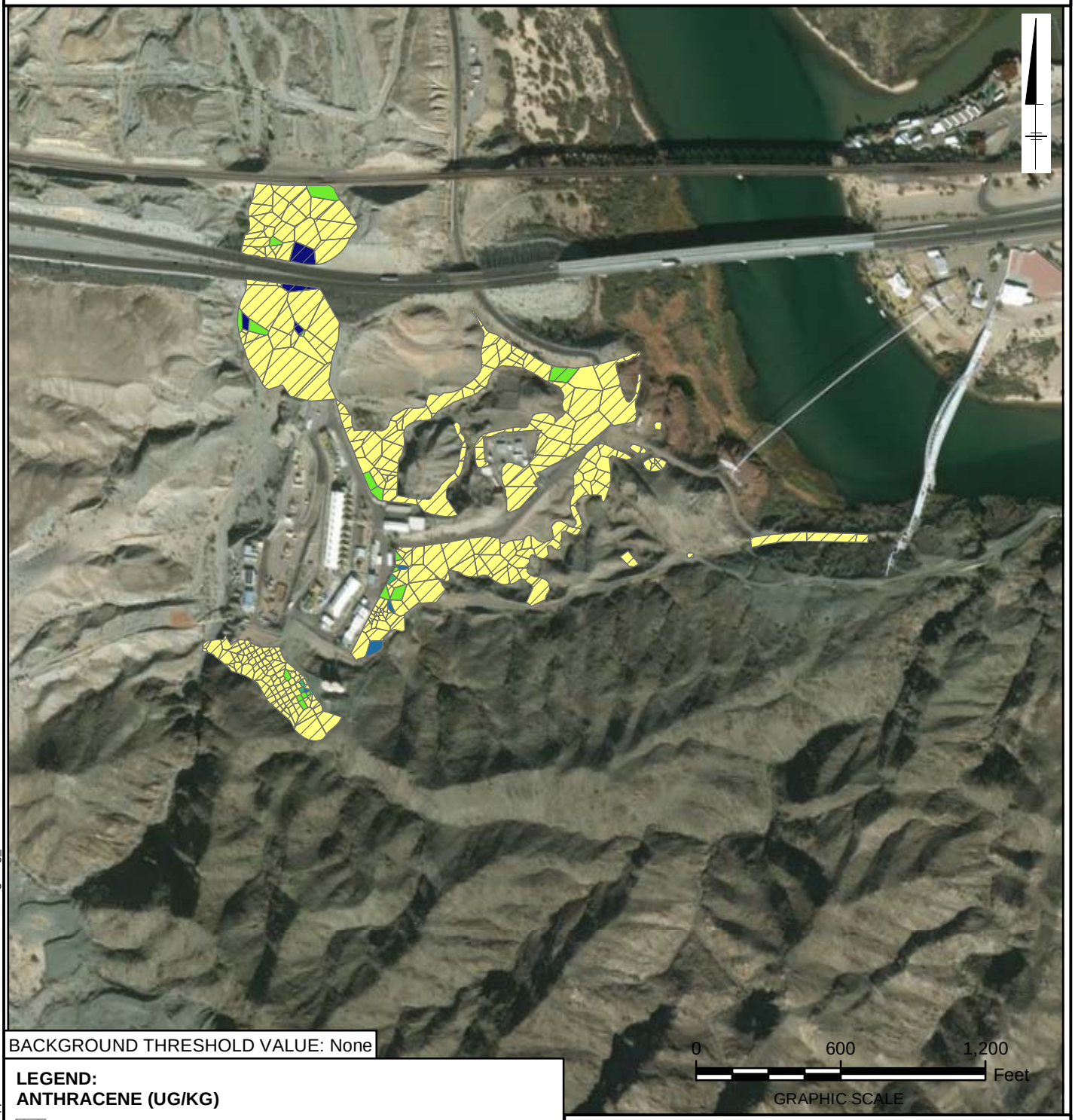
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.120

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 8.07
- ≥8.07 - 24.40
- ≥24.40 - 44.00
- ≥44.00 - 95.00
- ≥95.00 - 241.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

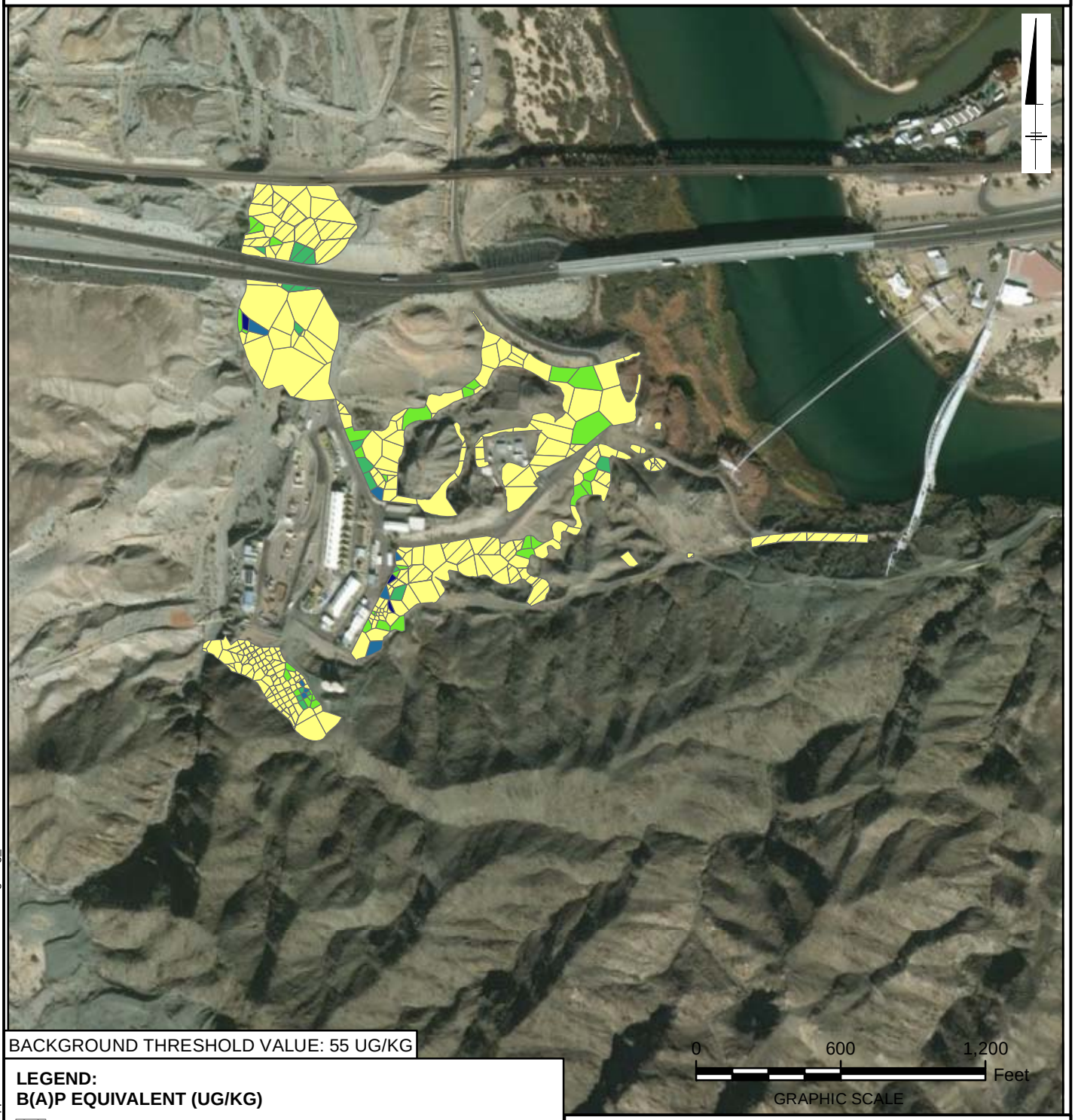
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.121

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 67.00
- ≥67.00 - 210.00
- ≥210.00 - 470.00
- ≥470.00 - 1100.00
- ≥1100.00 - 2740.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

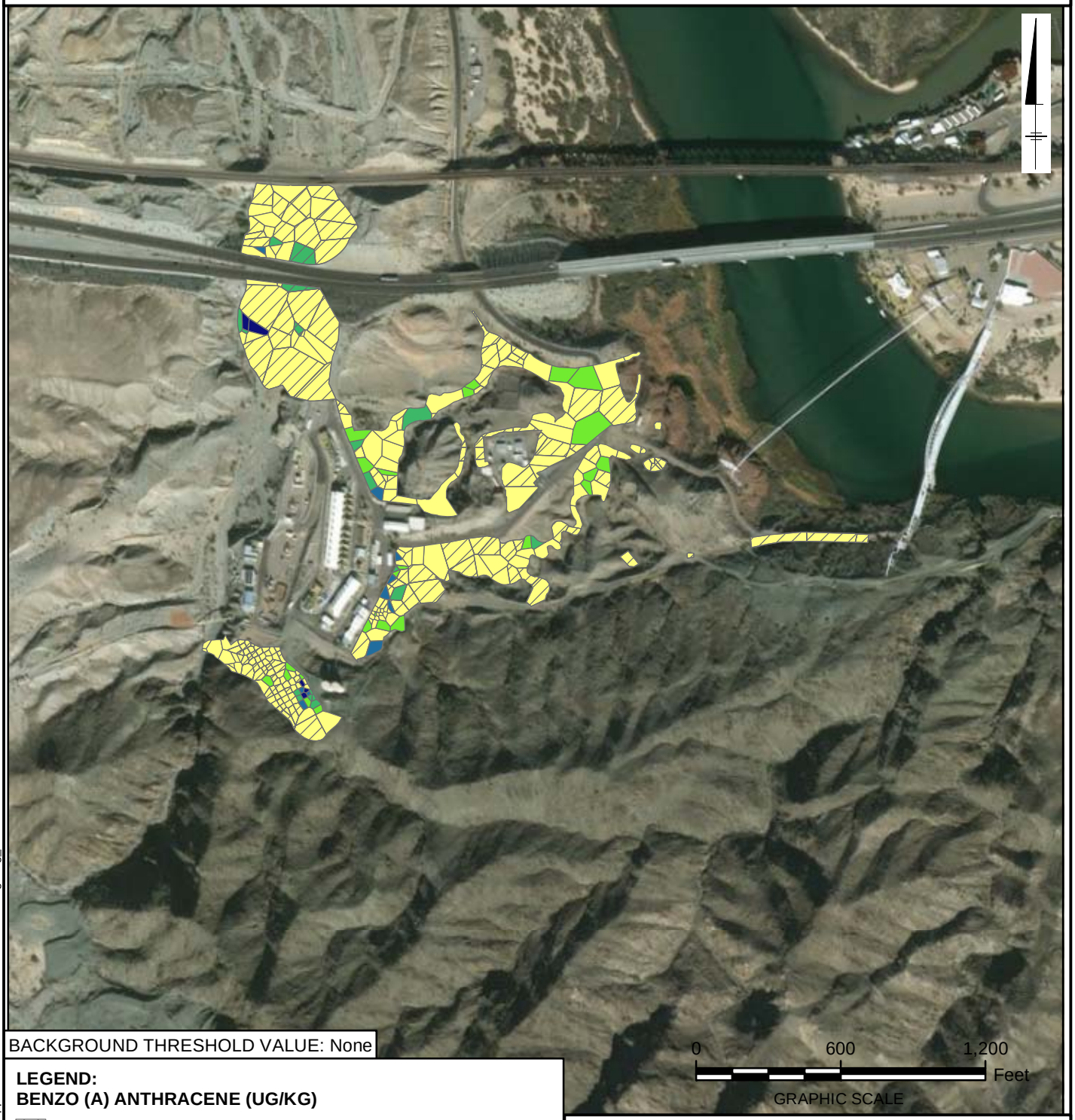
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.122

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 36.00
- ≥36.00 - 120.00
- ≥120.00 - 250.00
- ≥250.00 - 678.00
- ≥678.00 - 1410.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

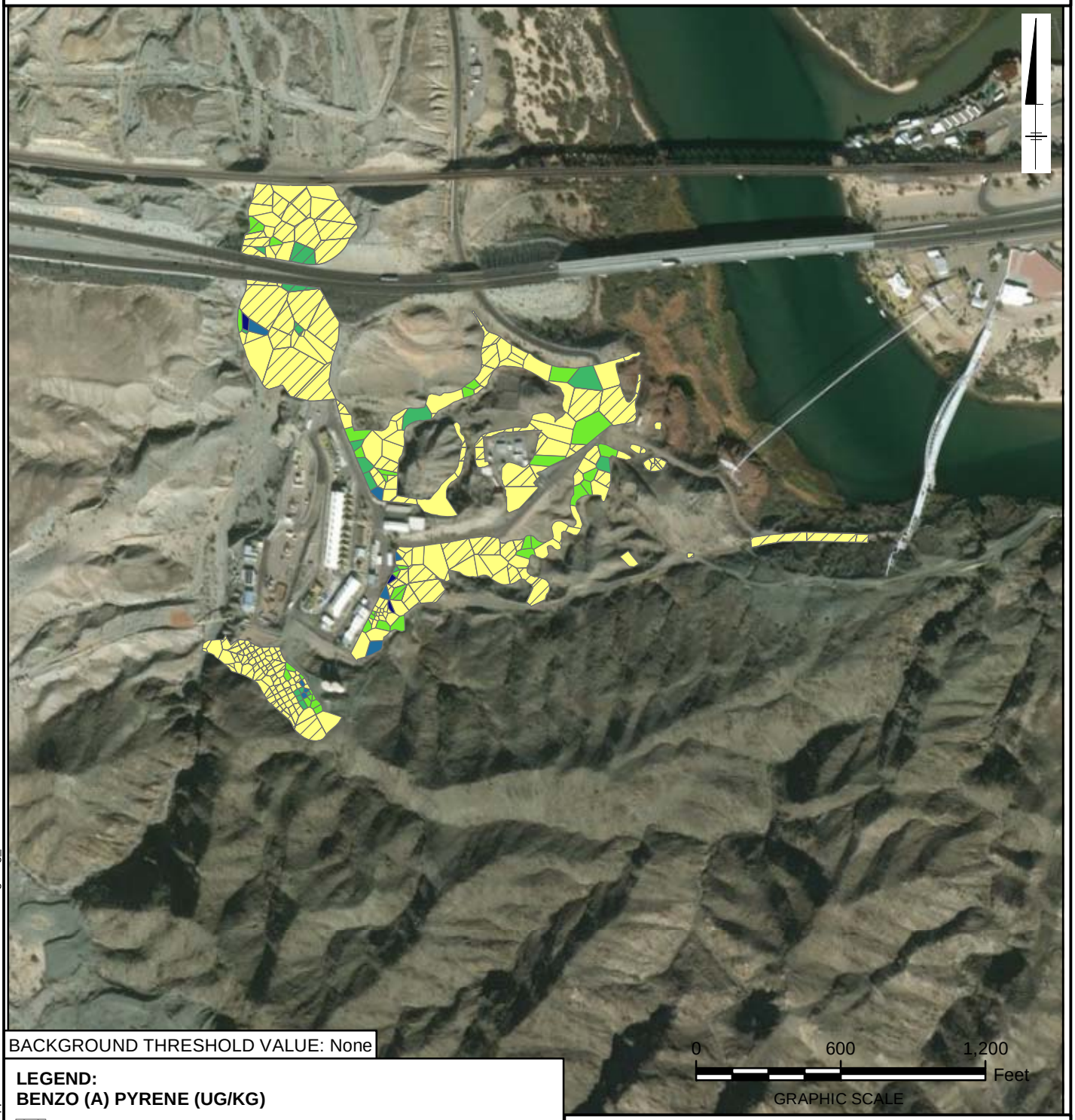
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.123

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 36.90
- ≥36.90 - 120.00
- ≥120.00 - 308.00
- ≥308.00 - 750.00
- ≥750.00 - 1470.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

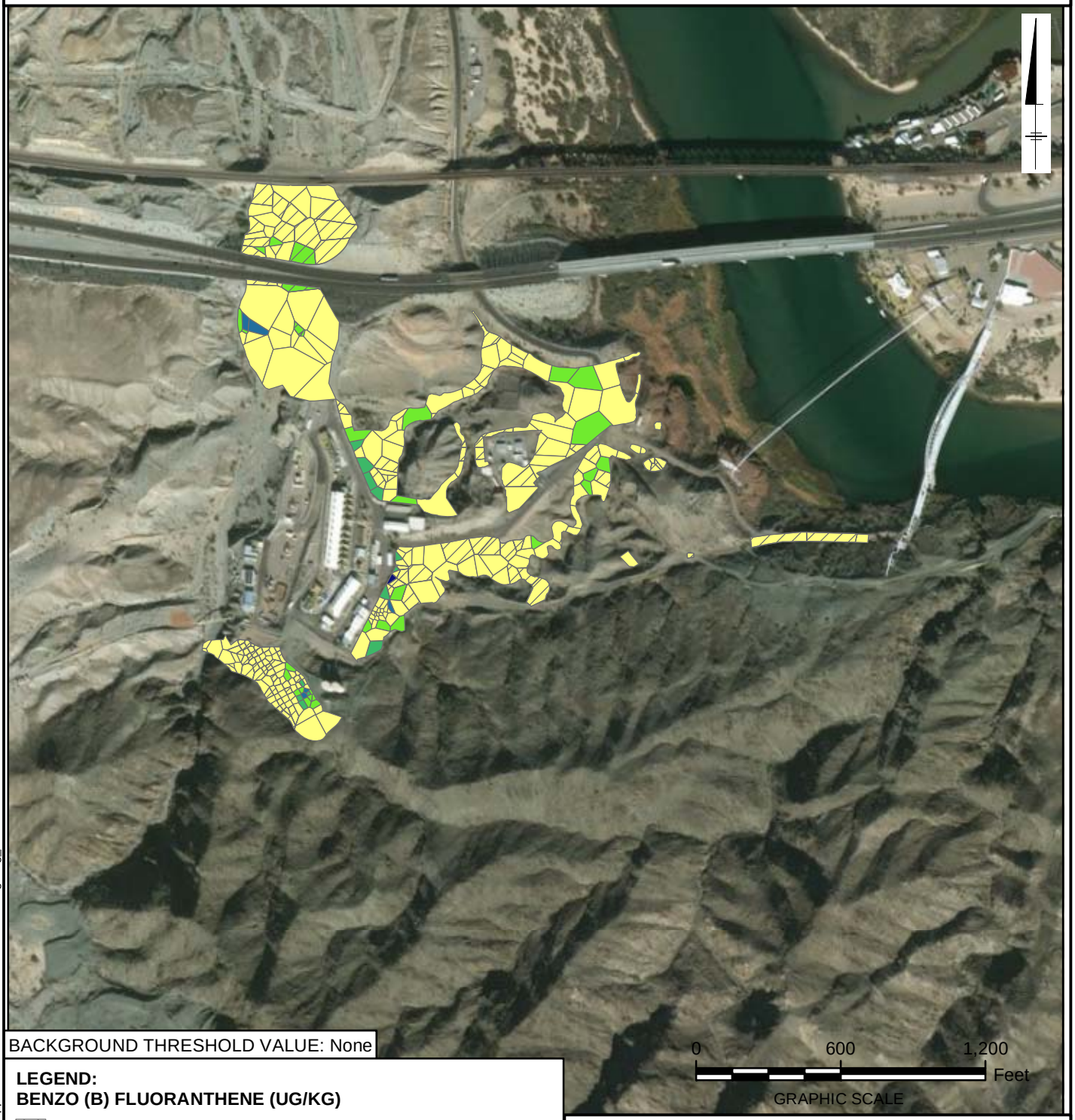
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.124

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 93.30
- ≥93.30 - 377.00
- ≥377.00 - 968.00
- ≥968.00 - 2040.00
- ≥2040.00 - 5000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

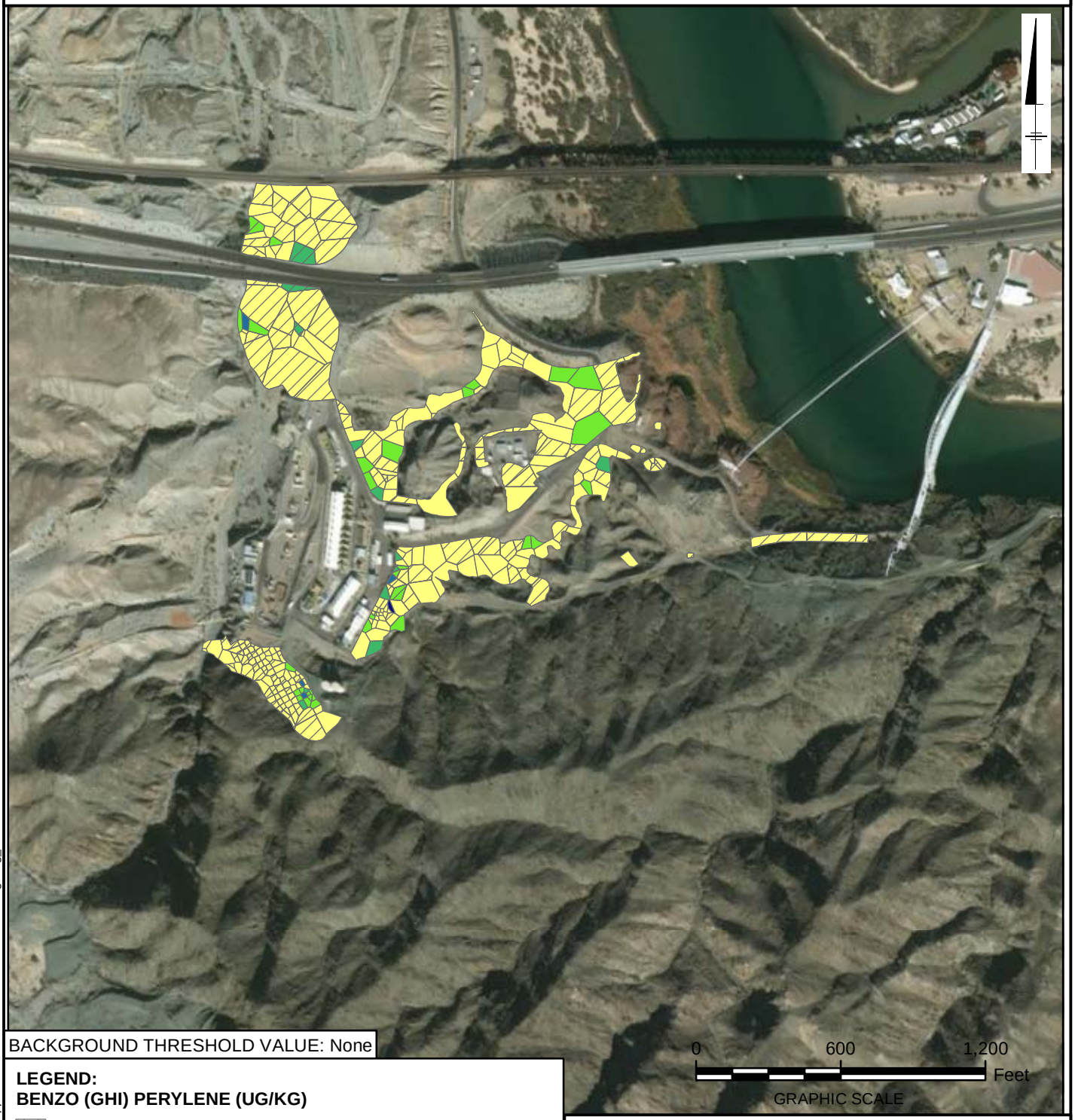
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.125

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 36.00
- ≥36.00 - 110.00
- ≥110.00 - 282.00
- ≥282.00 - 635.00
- ≥635.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

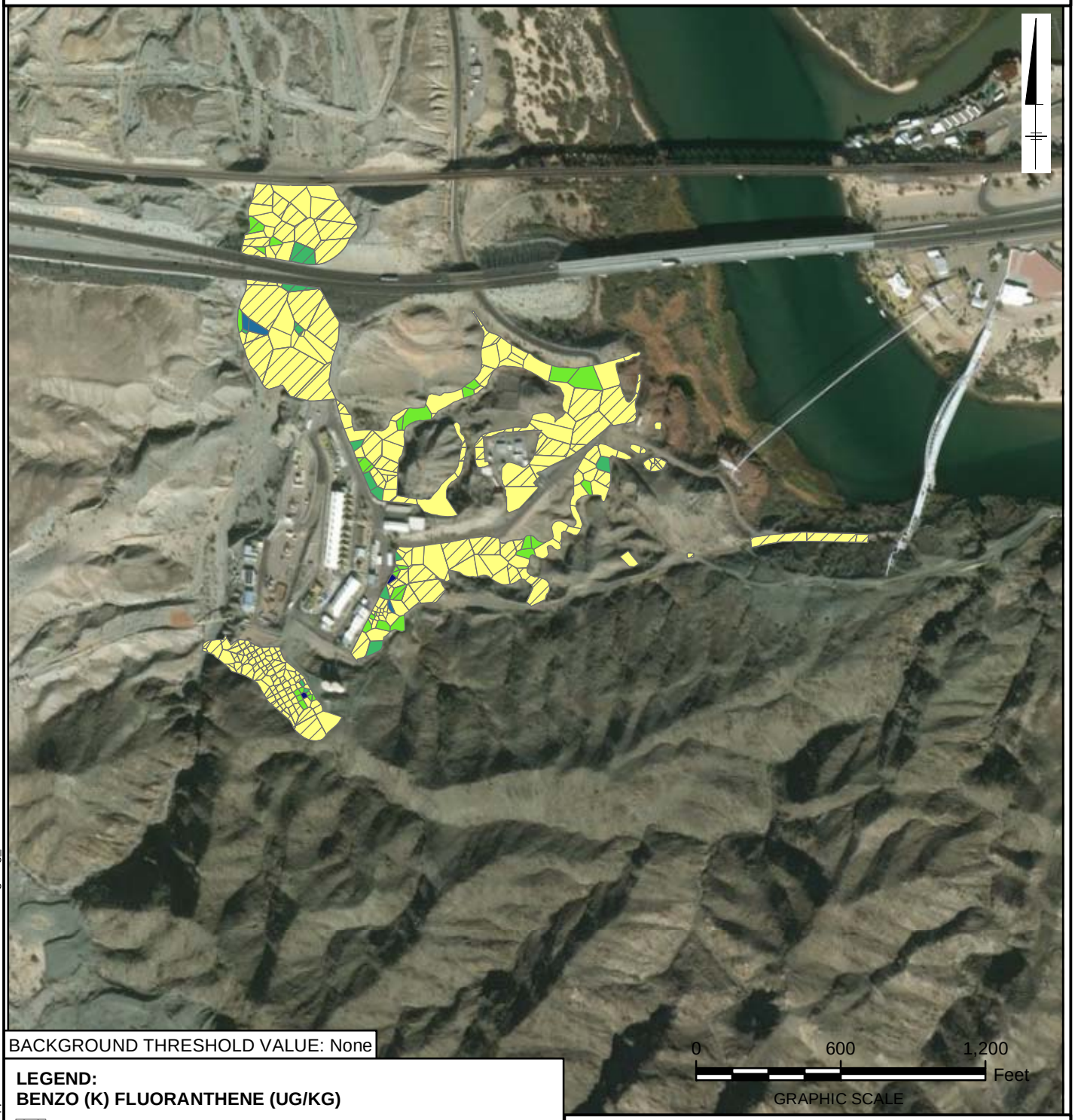
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.126

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 41.10
- ≥41.10 - 128.00
- ≥128.00 - 380.00
- ≥380.00 - 765.00
- ≥765.00 - 1940.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

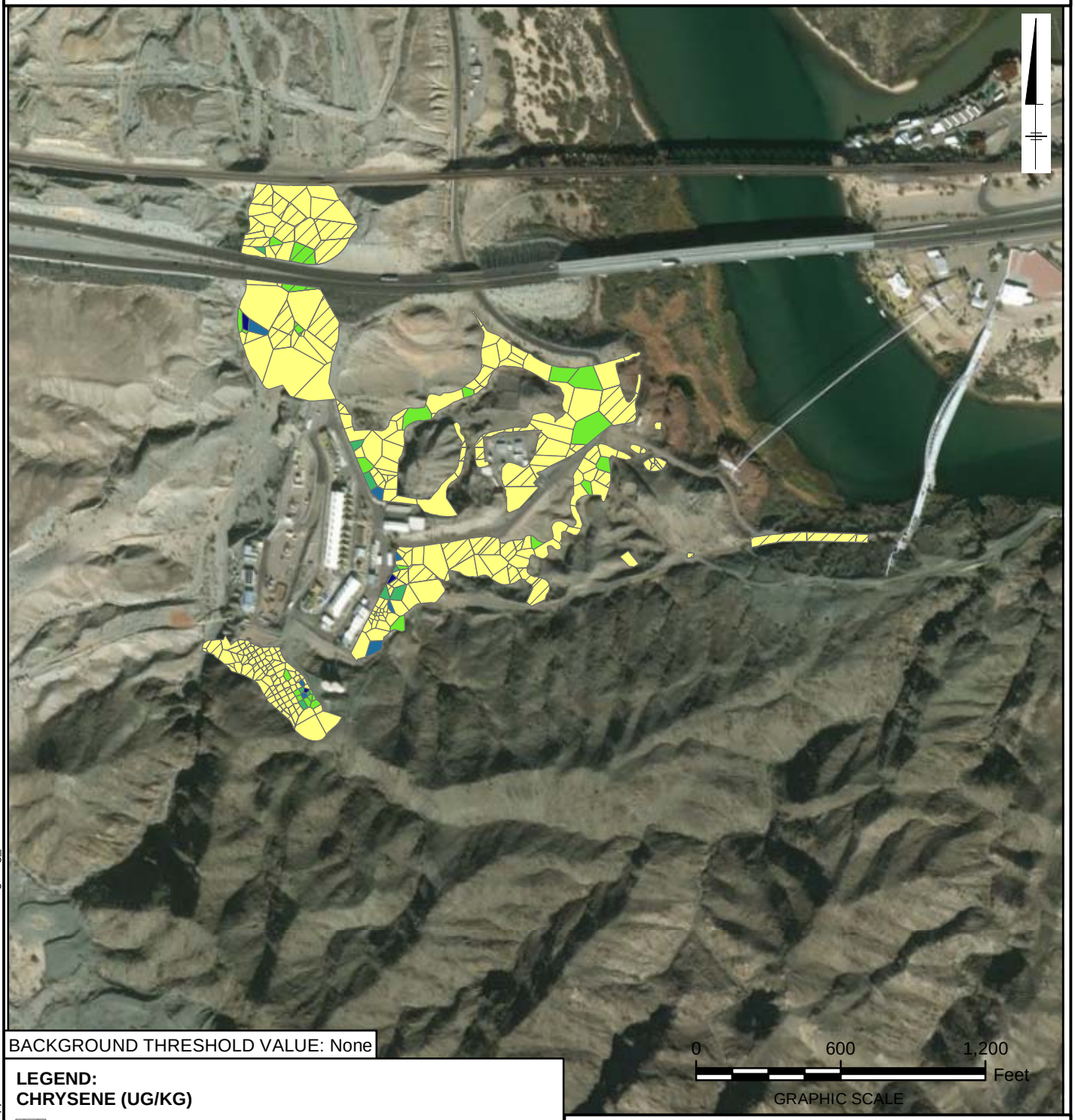
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.127

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 78.00
- ≥78.00 - 220.00
- ≥220.00 - 410.00
- ≥410.00 - 930.00
- ≥930.00 - 1740.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

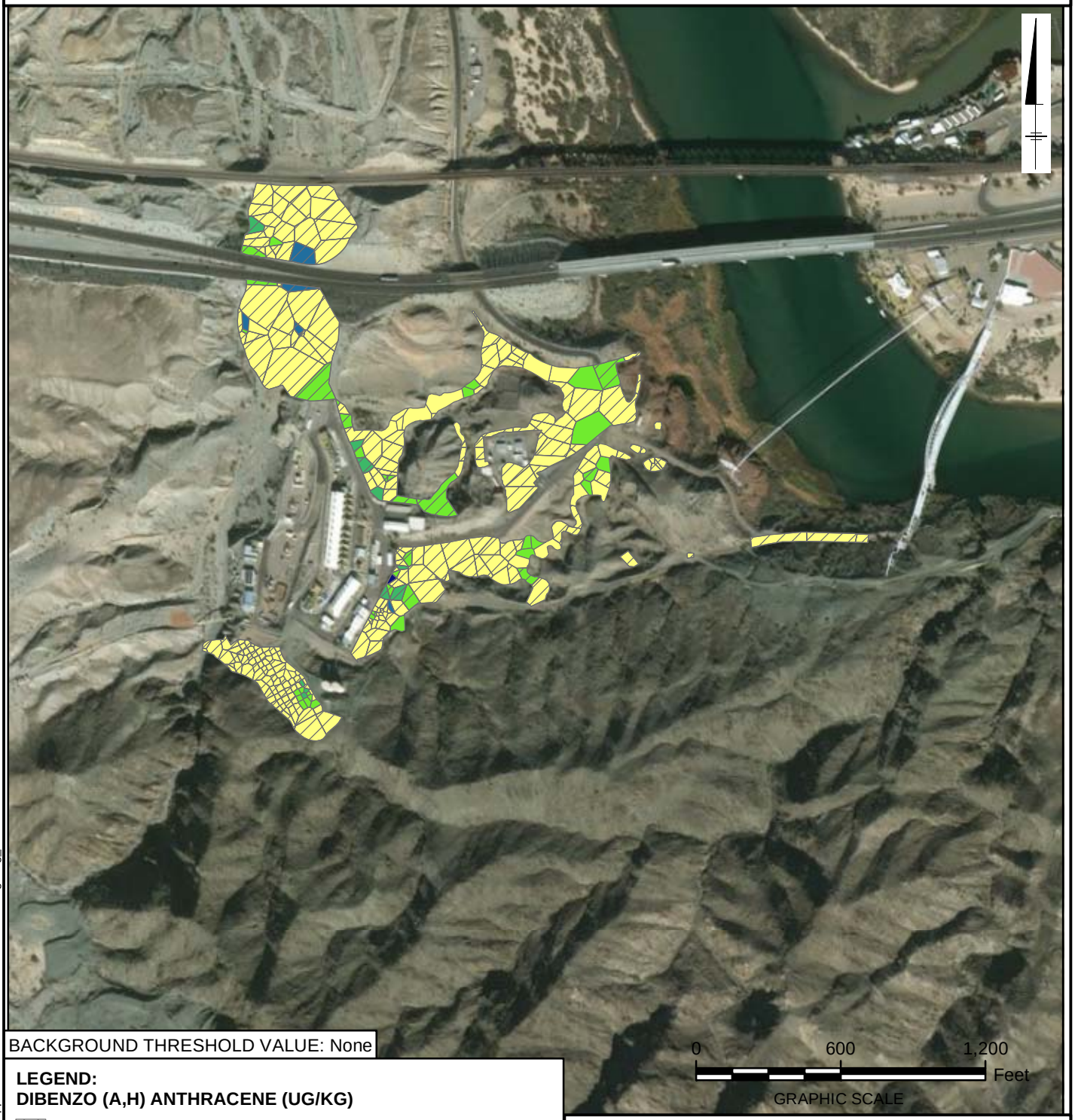
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.128

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 12.20
- ≥12.20 - 43.30
- ≥43.30 - 93.00
- ≥93.00 - 340.00
- ≥340.00 - 635.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

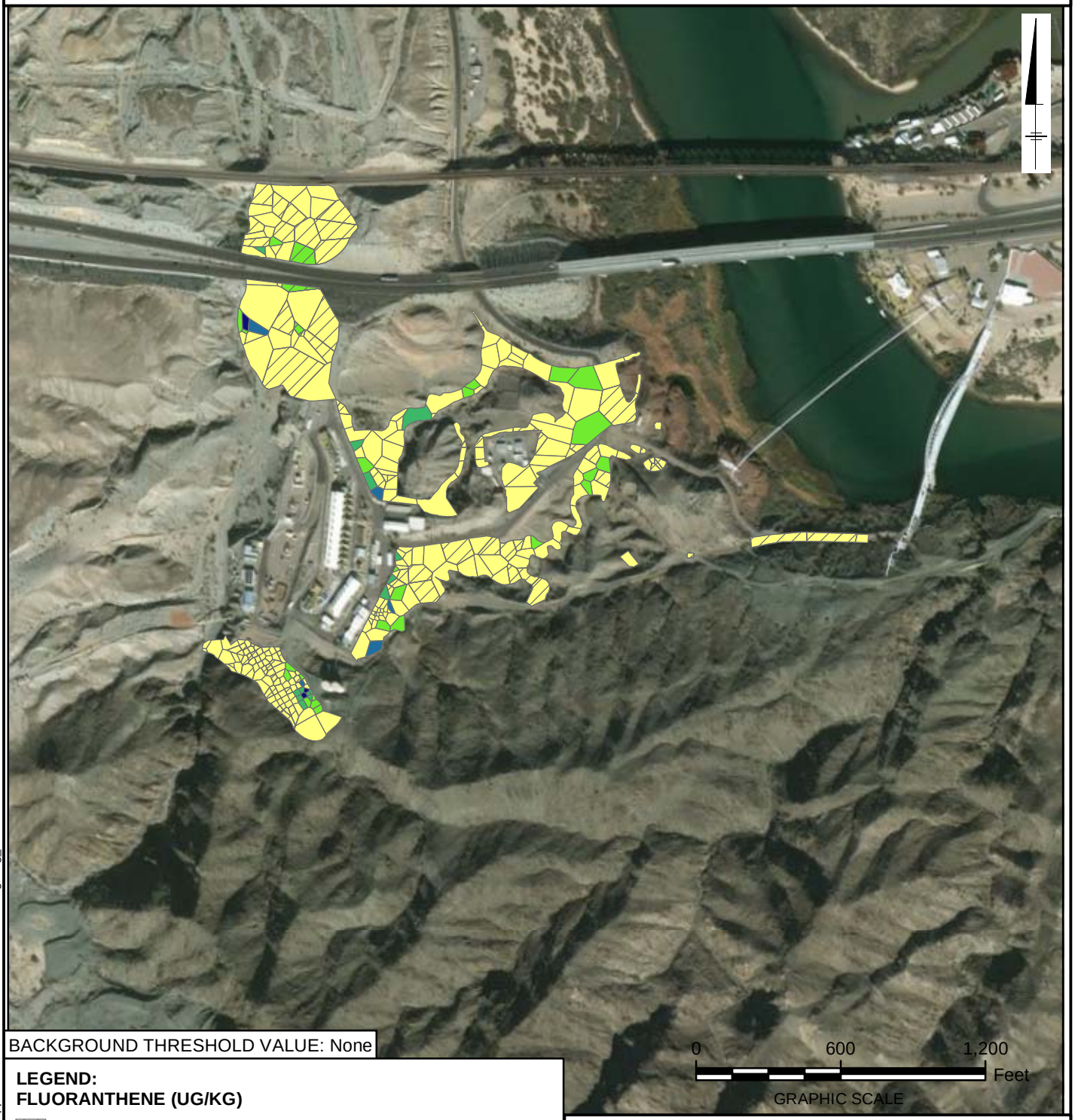
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.129

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 100.00
- ≥100.00 - 370.00
- ≥370.00 - 868.00
- ≥868.00 - 1770.00
- ≥1770.00 - 3200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

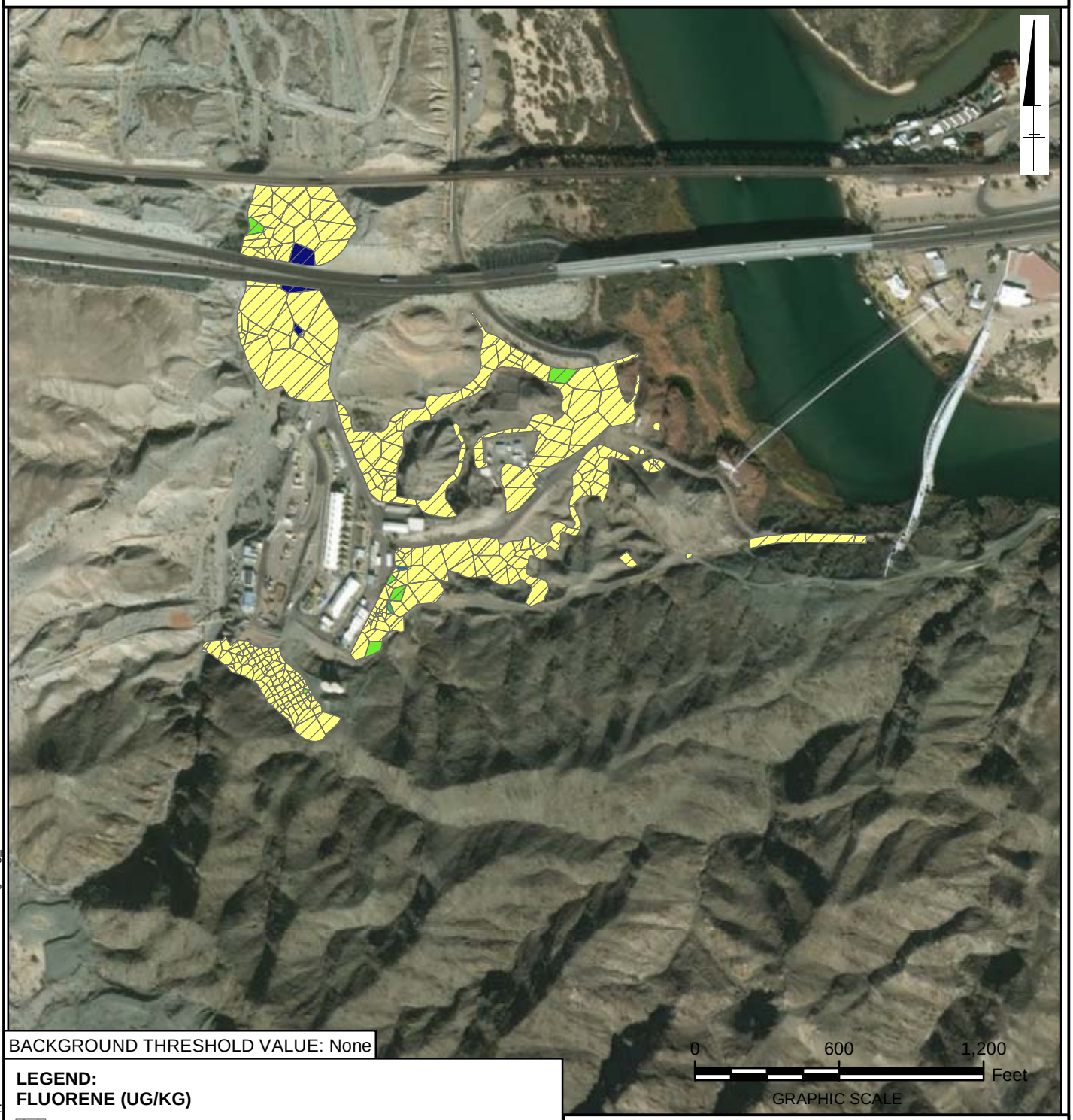
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.1.30

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.87
- ≥5.87 - 14.00
- ≥14.00 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

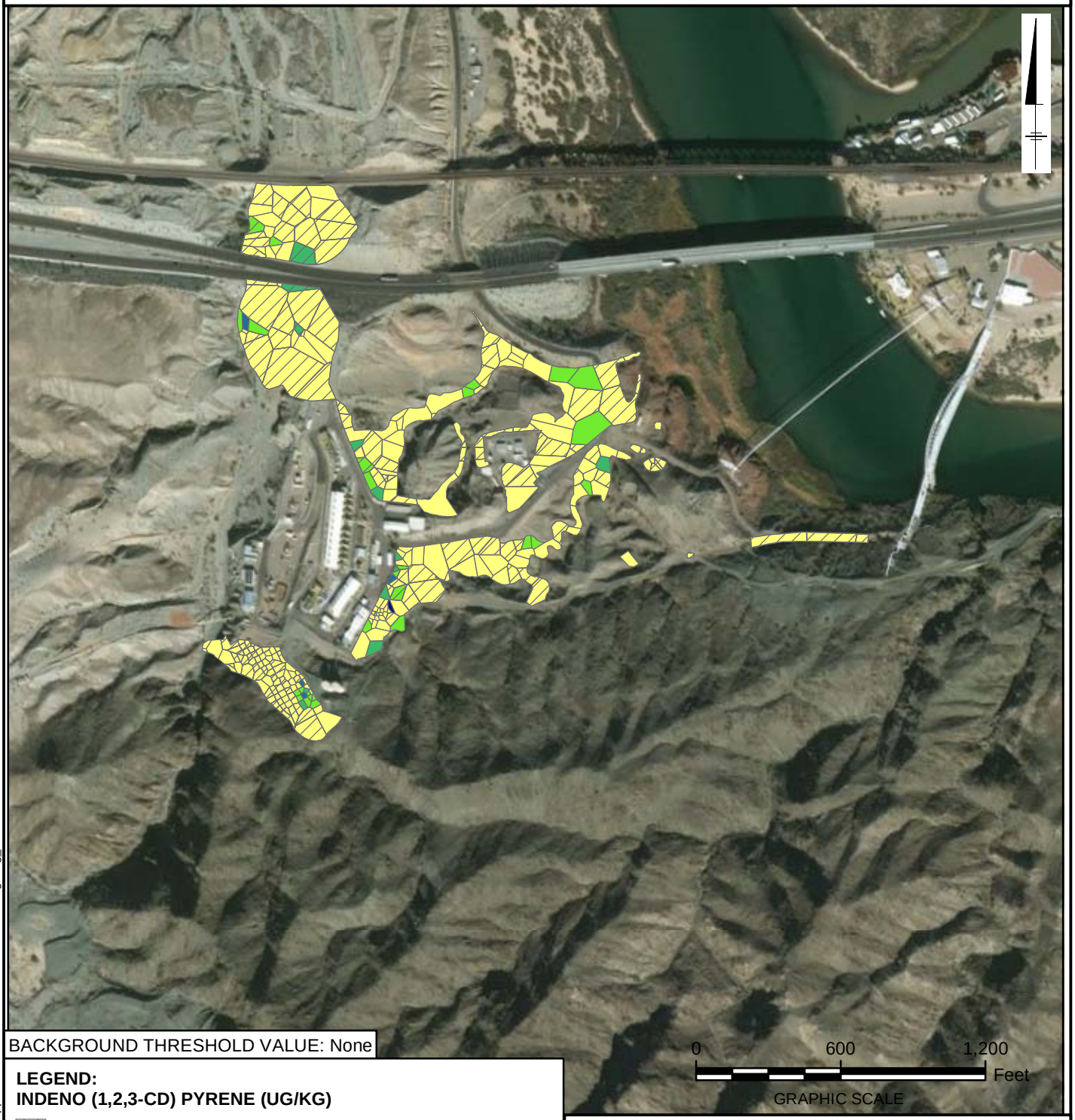
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.131

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 34.30
- ≥34.30 - 110.00
- ≥110.00 - 282.00
- ≥282.00 - 635.00
- ≥635.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

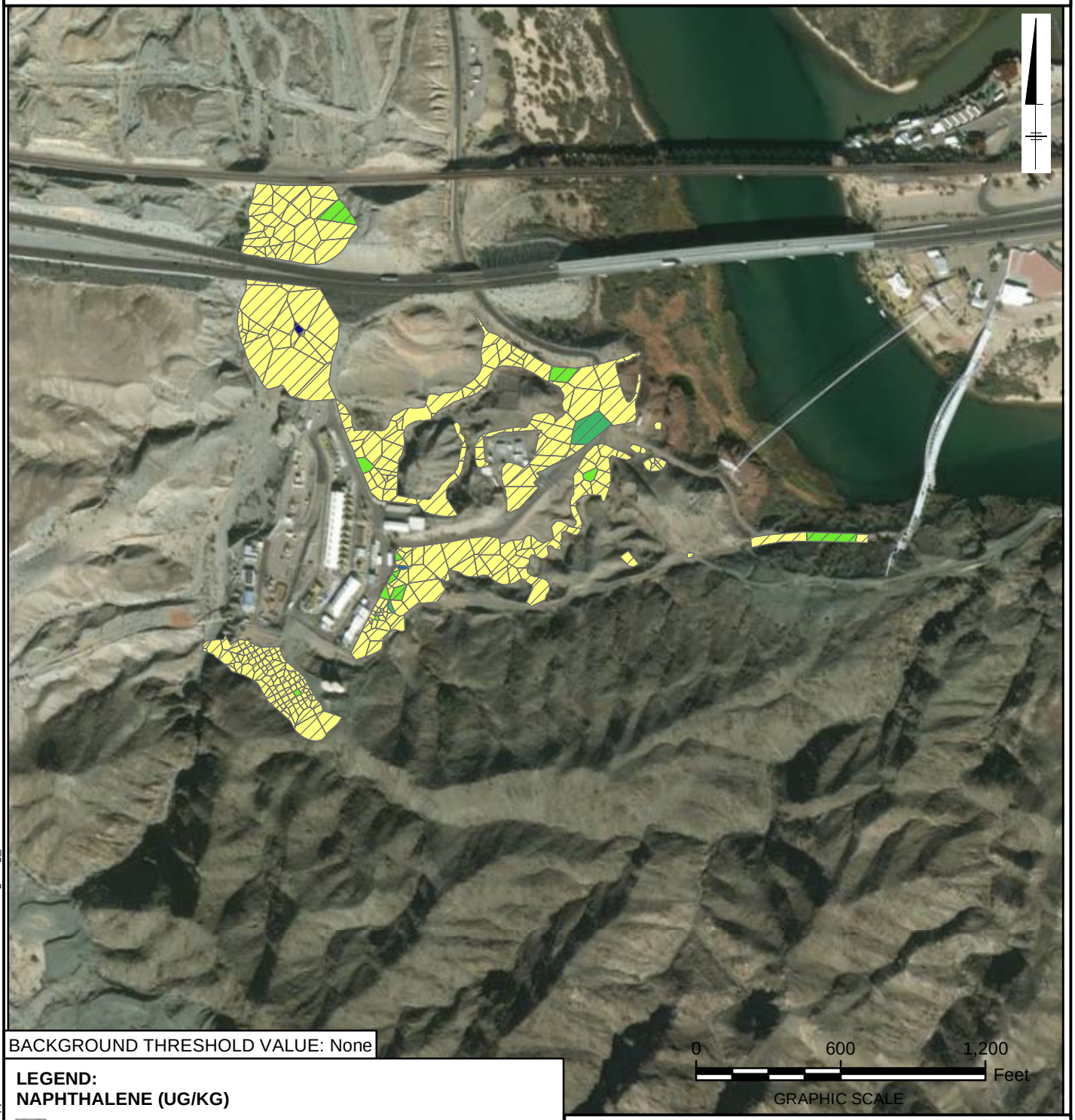
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.132

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.15 - 4.70
- ≥4.70 - 12.80
- ≥12.80 - 40.00
- ≥40.00 - 86.70
- ≥86.70 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

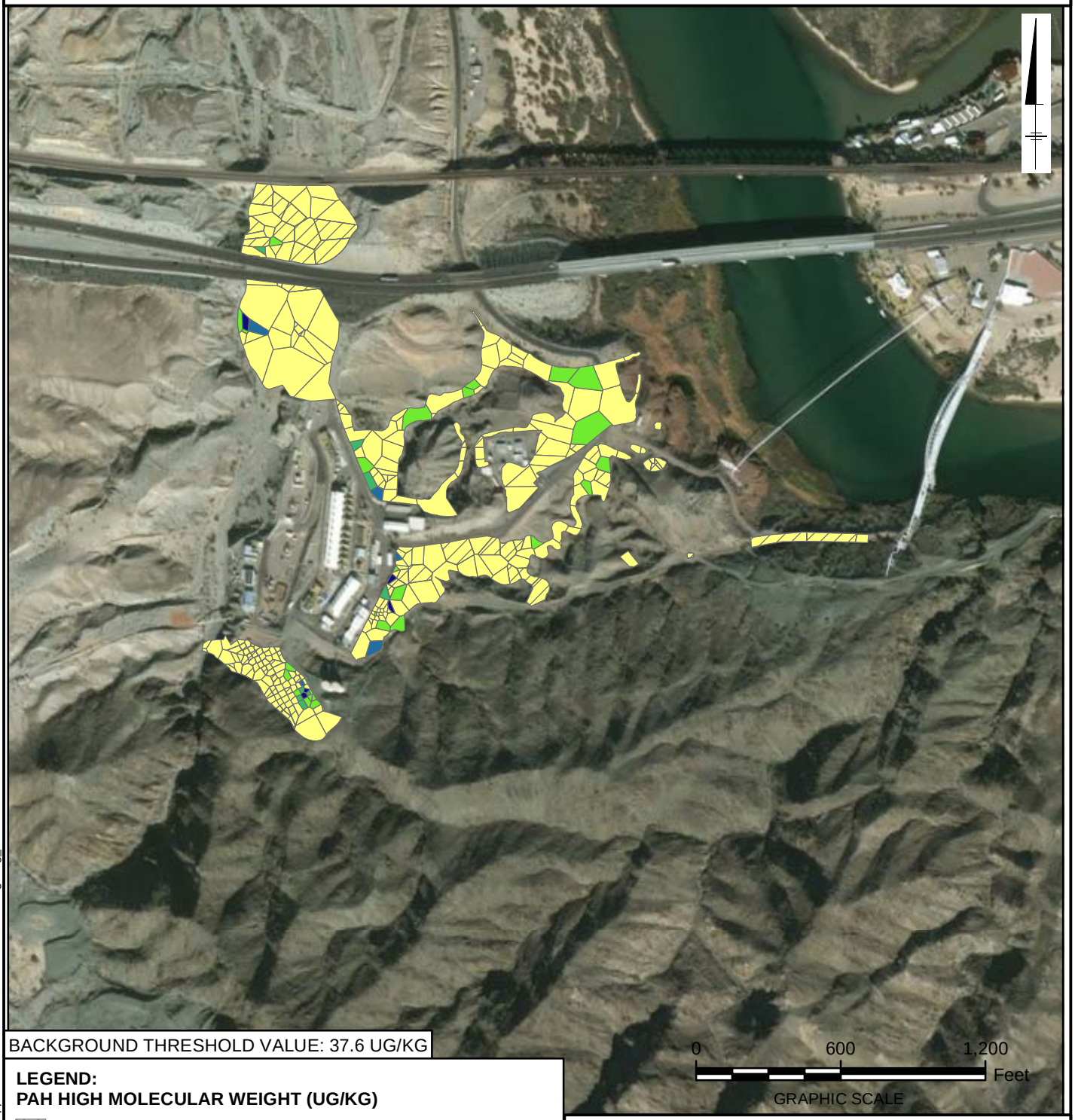
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.133

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 605.00
- ≥605.00 - 2040.00
- ≥2040.00 - 3830.00
- ≥3830.00 - 7200.00
- ≥7200.00 - 13400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

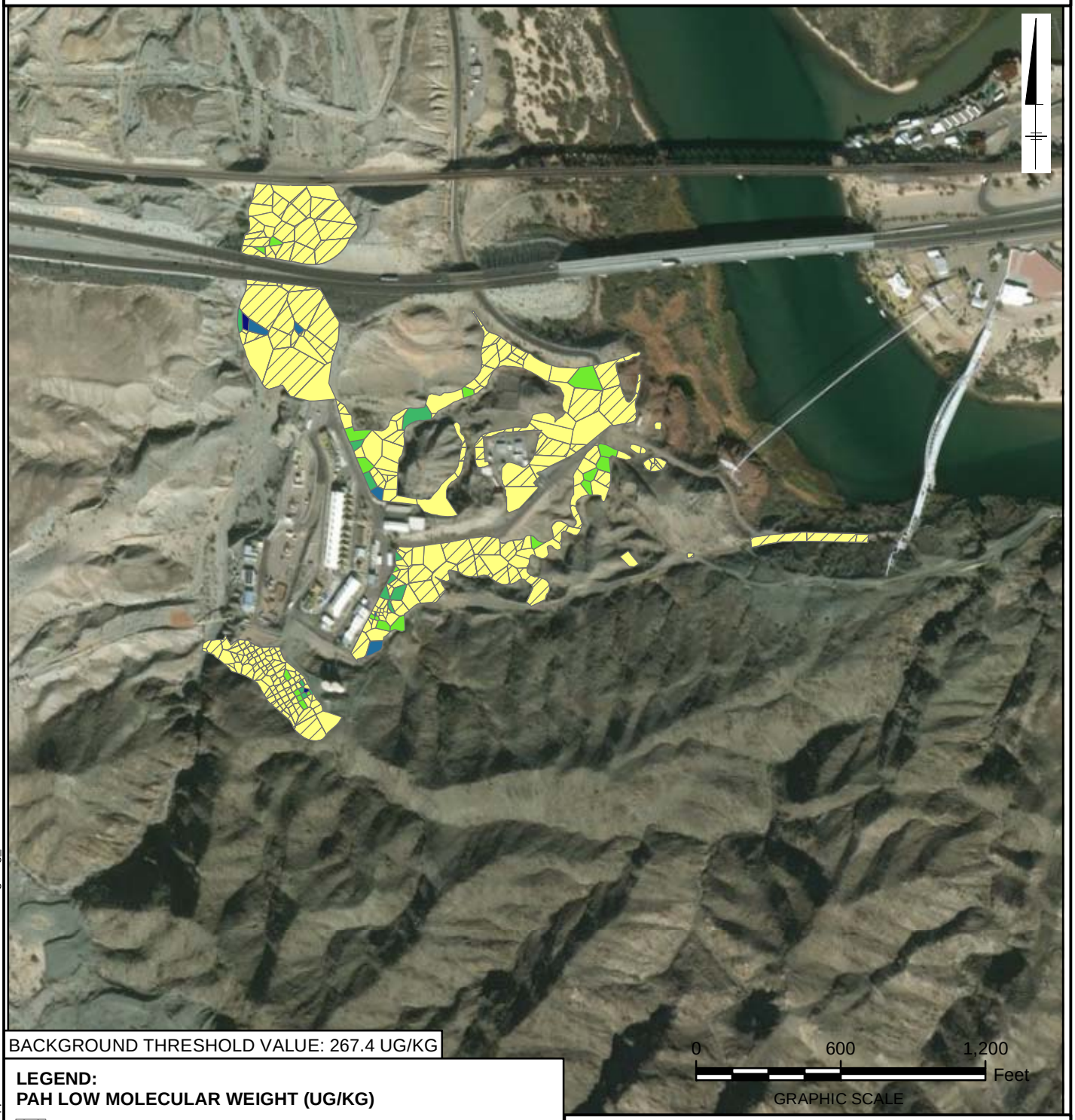
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.134

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
PGE Topock (RC000753.0040.00003)
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 41.30
- ≥41.30 - 143.00
- ≥143.00 - 308.00
- ≥308.00 - 686.00
- ≥686.00 - 1340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

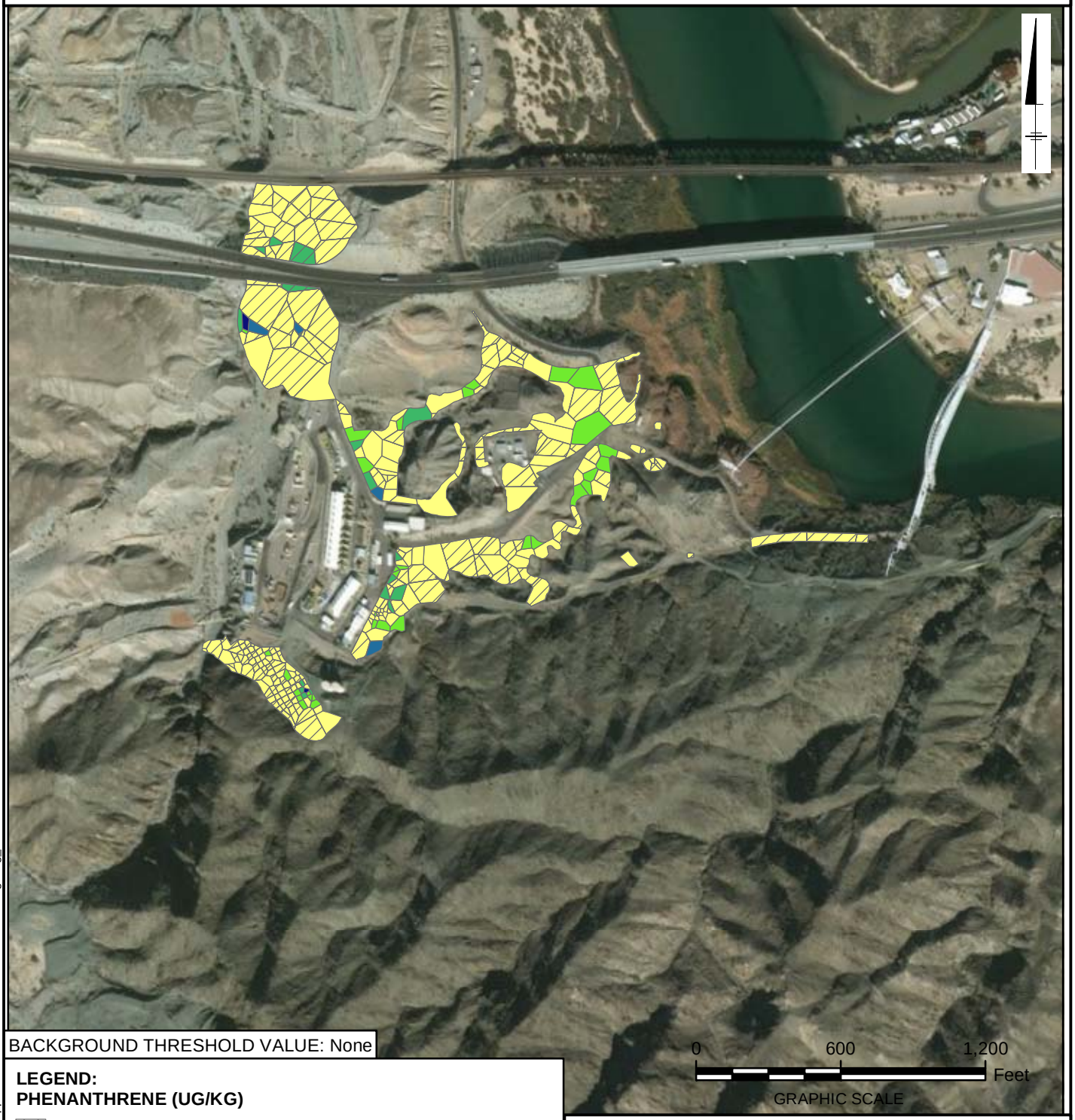
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.135

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 28.00
- ≥28.00 - 110.00
- ≥110.00 - 282.00
- ≥282.00 - 598.00
- ≥598.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

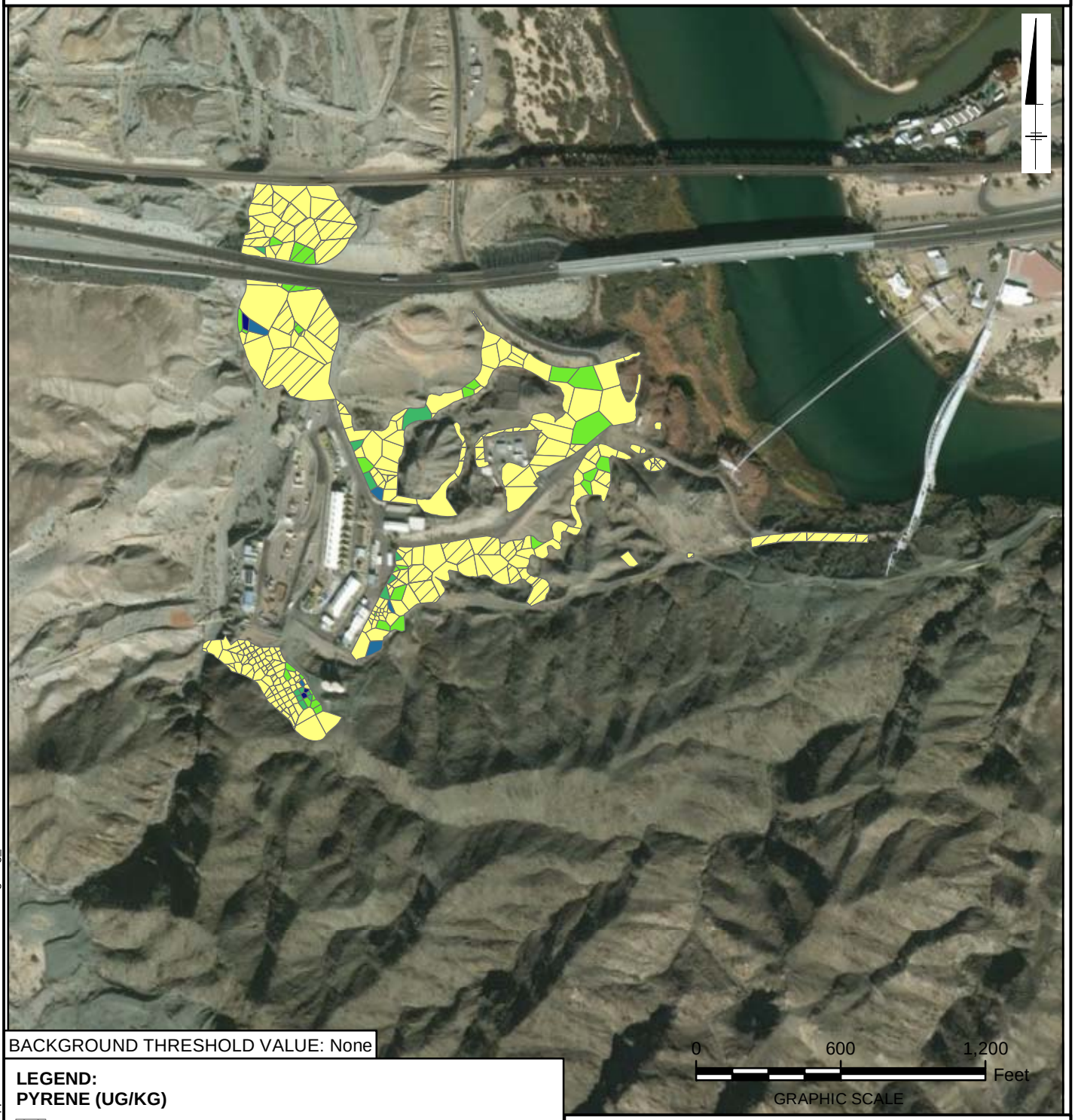
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.136

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 92.00
- ≥92.00 - 360.00
- ≥360.00 - 868.00
- ≥868.00 - 1440.00
- ≥1440.00 - 2500.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

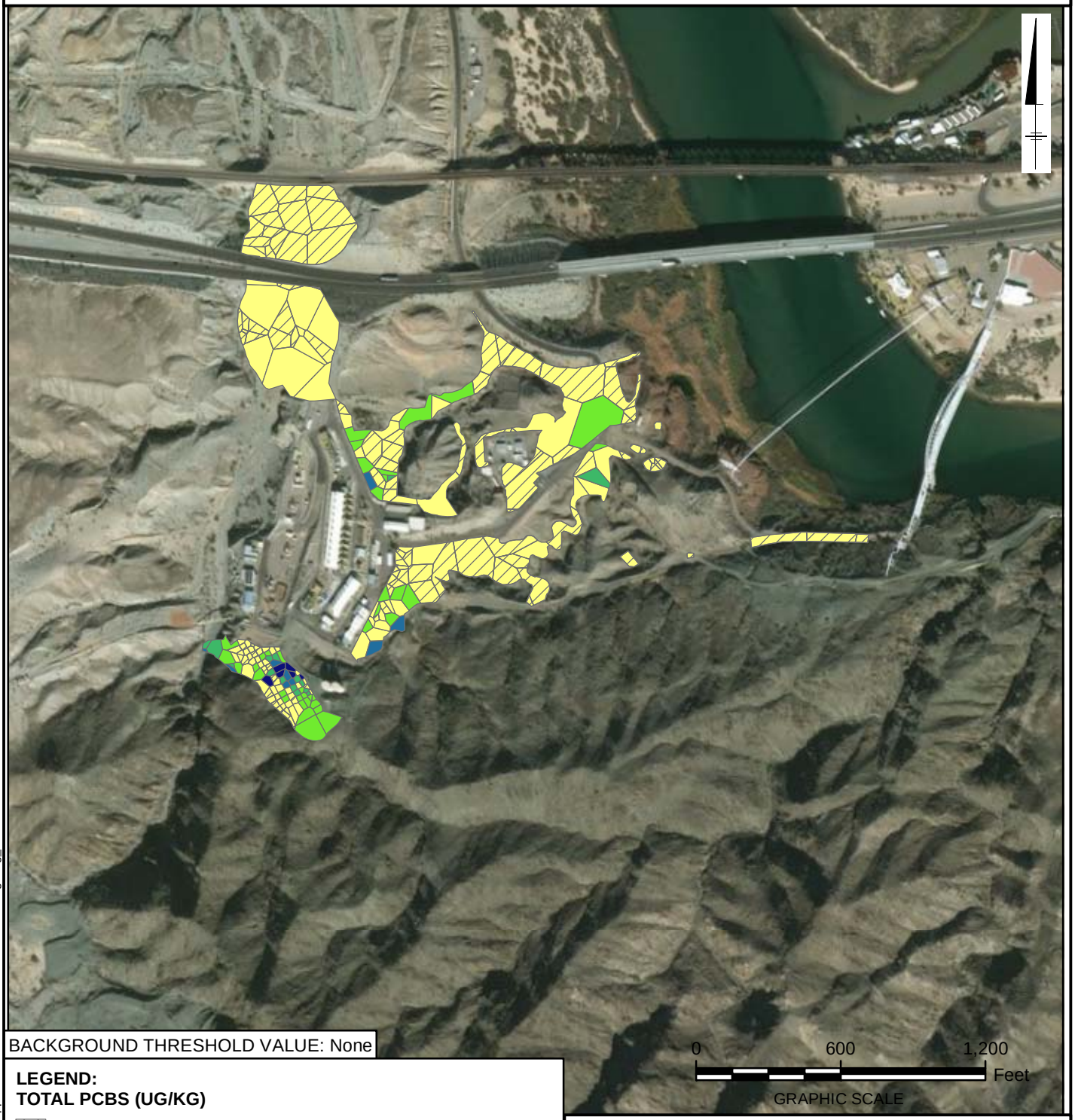
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.137

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 96.50
- ≥96.50 - 276.00
- ≥276.00 - 791.00
- ≥791.00 - 1960.00
- ≥1960.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

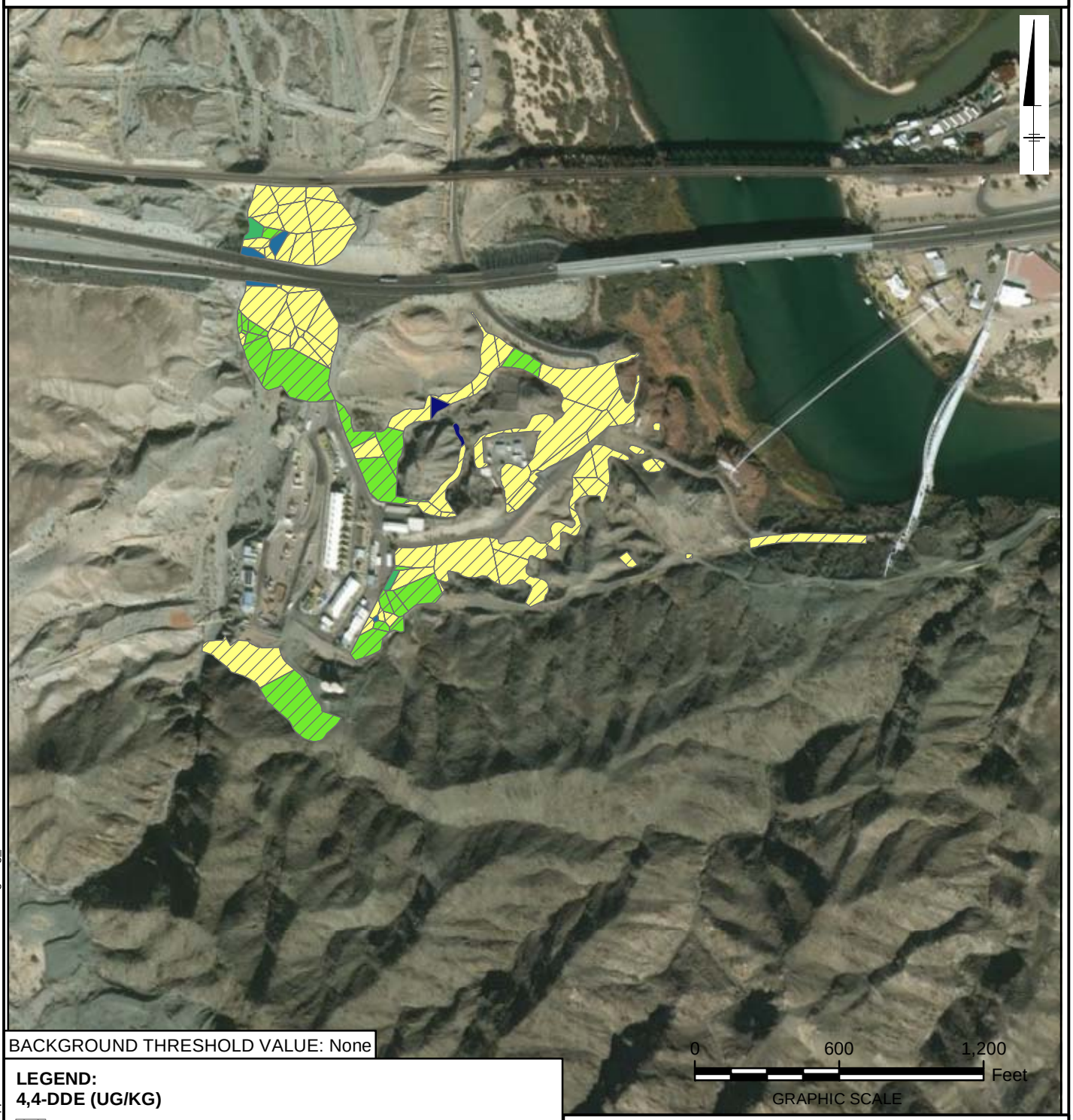
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
4,4-DDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
4,4-DDE (UG/KG)

- NOT DETECTED
- 1.00 - 1.02
- ≥1.02 - 1.08
- ≥1.08 - 1.33
- ≥1.33 - 3.20
- ≥3.20 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

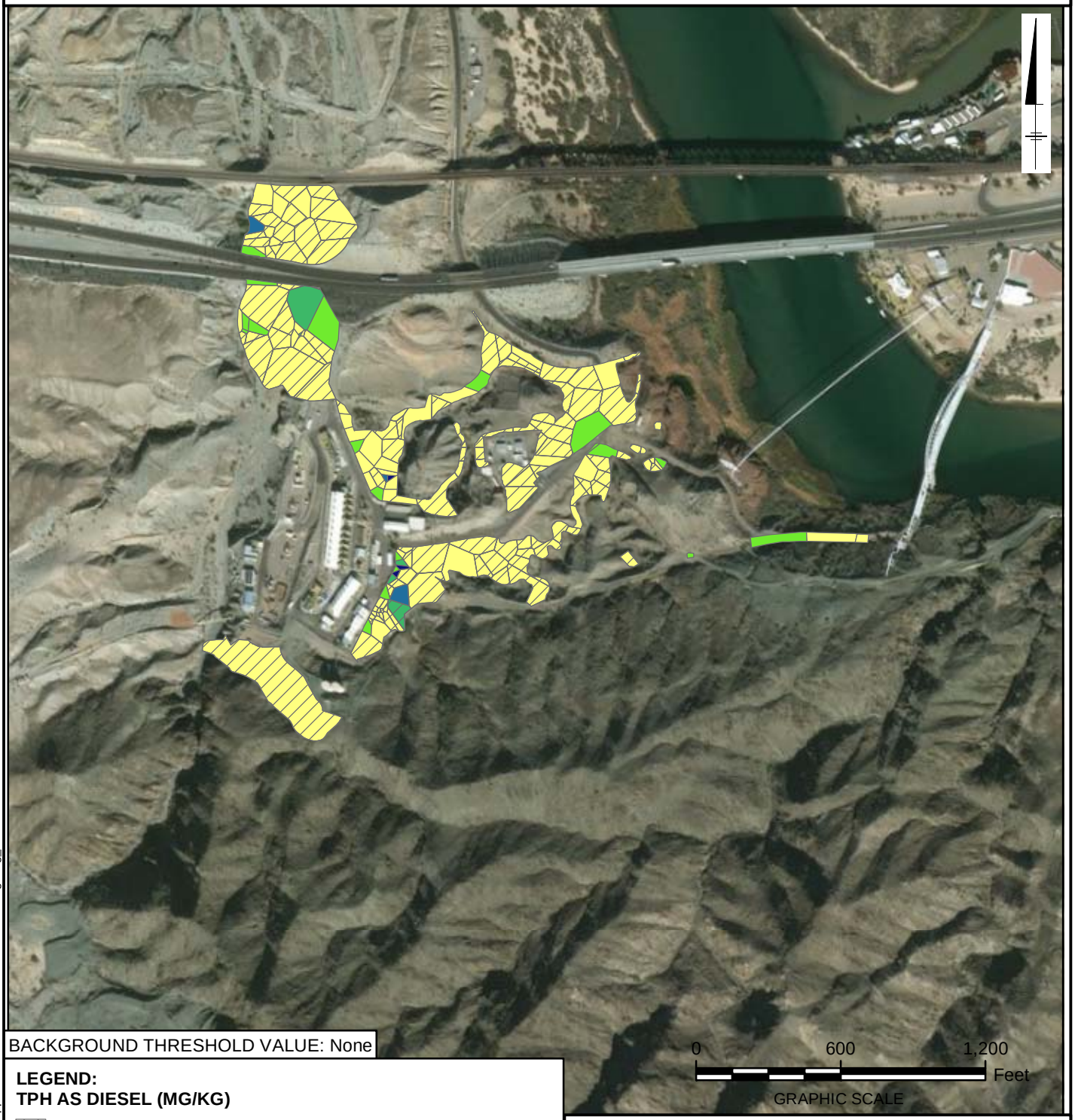
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.139

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 28.00
- ≥28.00 - 77.00
- ≥77.00 - 160.00
- ≥160.00 - 411.00
- ≥411.00 - 1340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

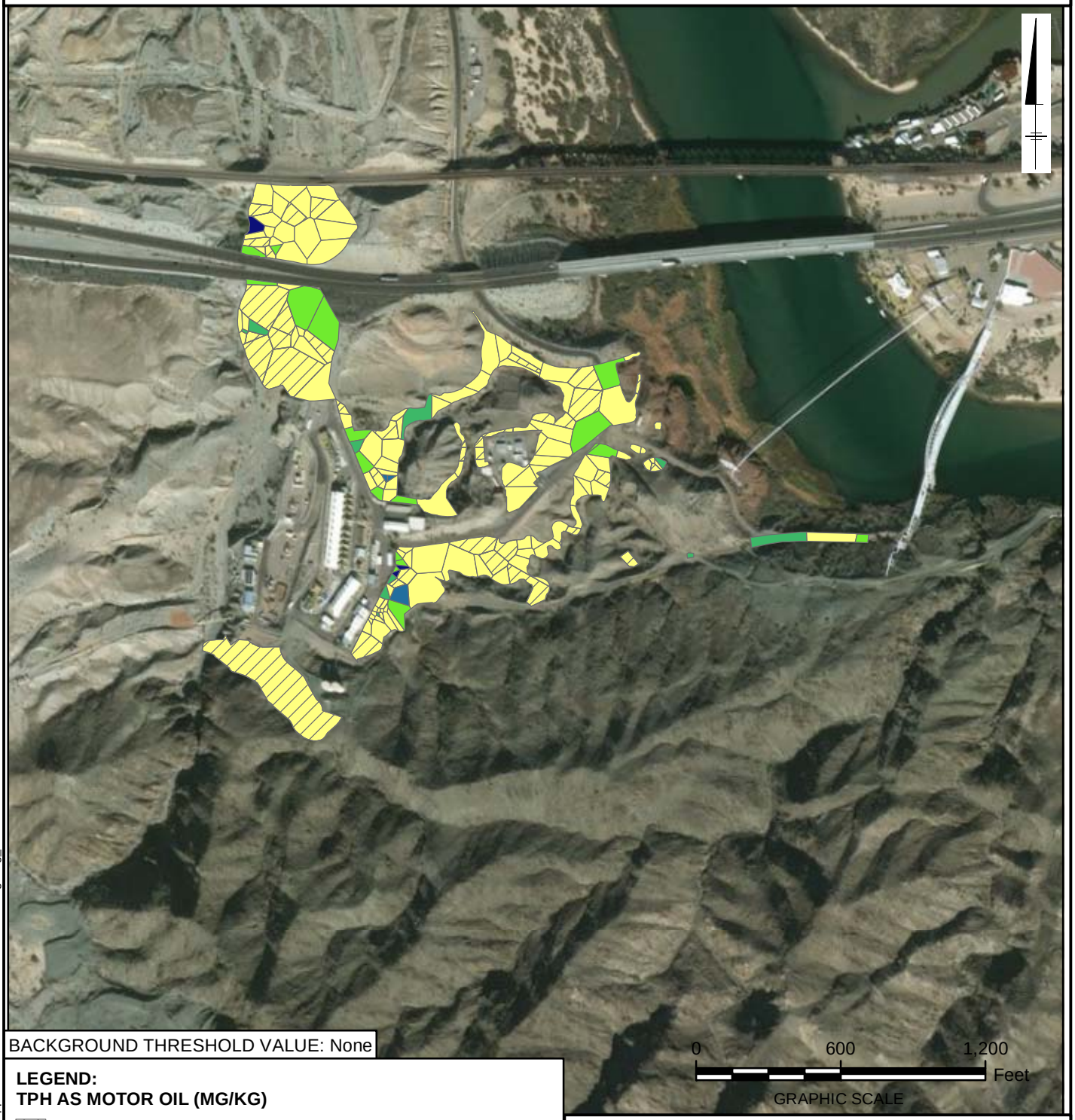
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.140

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 6 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 110.00
- ≥110.00 - 313.00
- ≥313.00 - 580.00
- ≥580.00 - 1290.00
- ≥1290.00 - 2980.00

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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

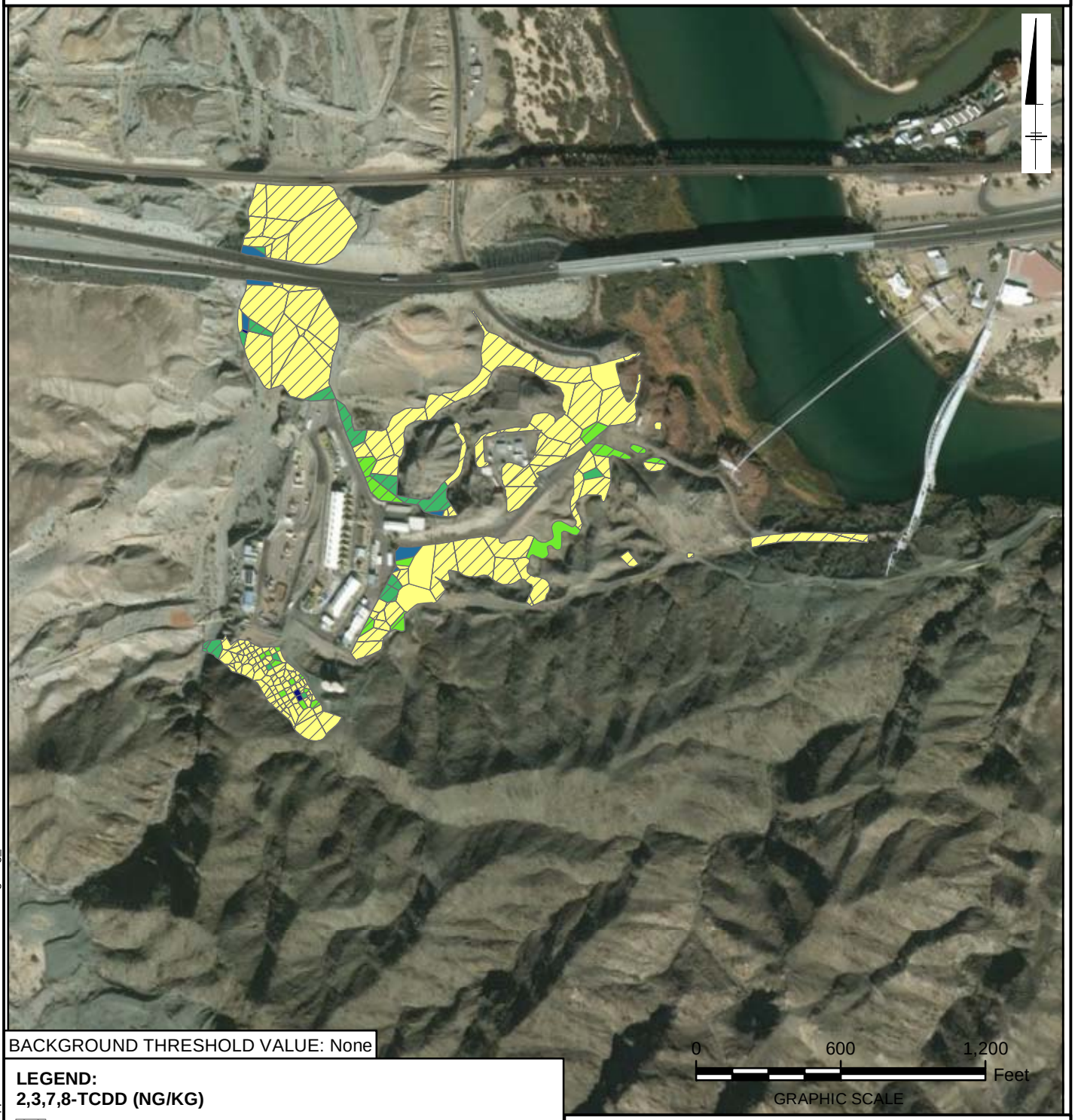
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.141

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
2,3,7,8-TCDD



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2,3,7,8-TCDD (NG/KG)

- NOT DETECTED
- 0.01 - 0.42
- ≥0.42 - 1.20
- ≥1.20 - 3.05
- ≥3.05 - 5.73
- ≥5.73 - 15.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

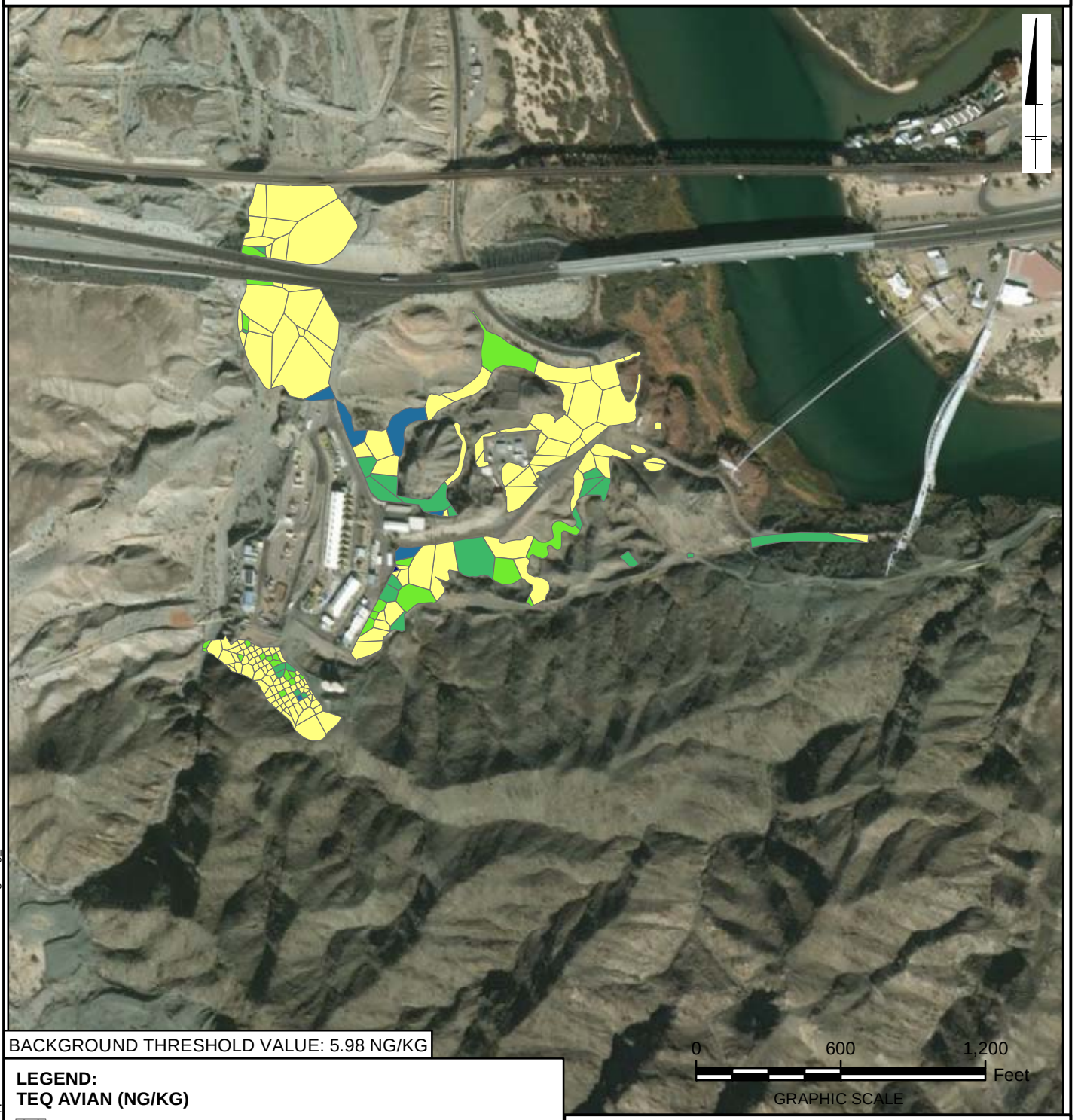
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.142

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
TEQ AVIAN



BACKGROUND THRESHOLD VALUE: 5.98 NG/KG

LEGEND:
TEQ AVIAN (NG/KG)

- NOT DETECTED
- 0.03 - 23.00
- ≥23.00 - 72.00
- ≥72.00 - 160.00
- ≥160.00 - 320.00
- ≥320.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

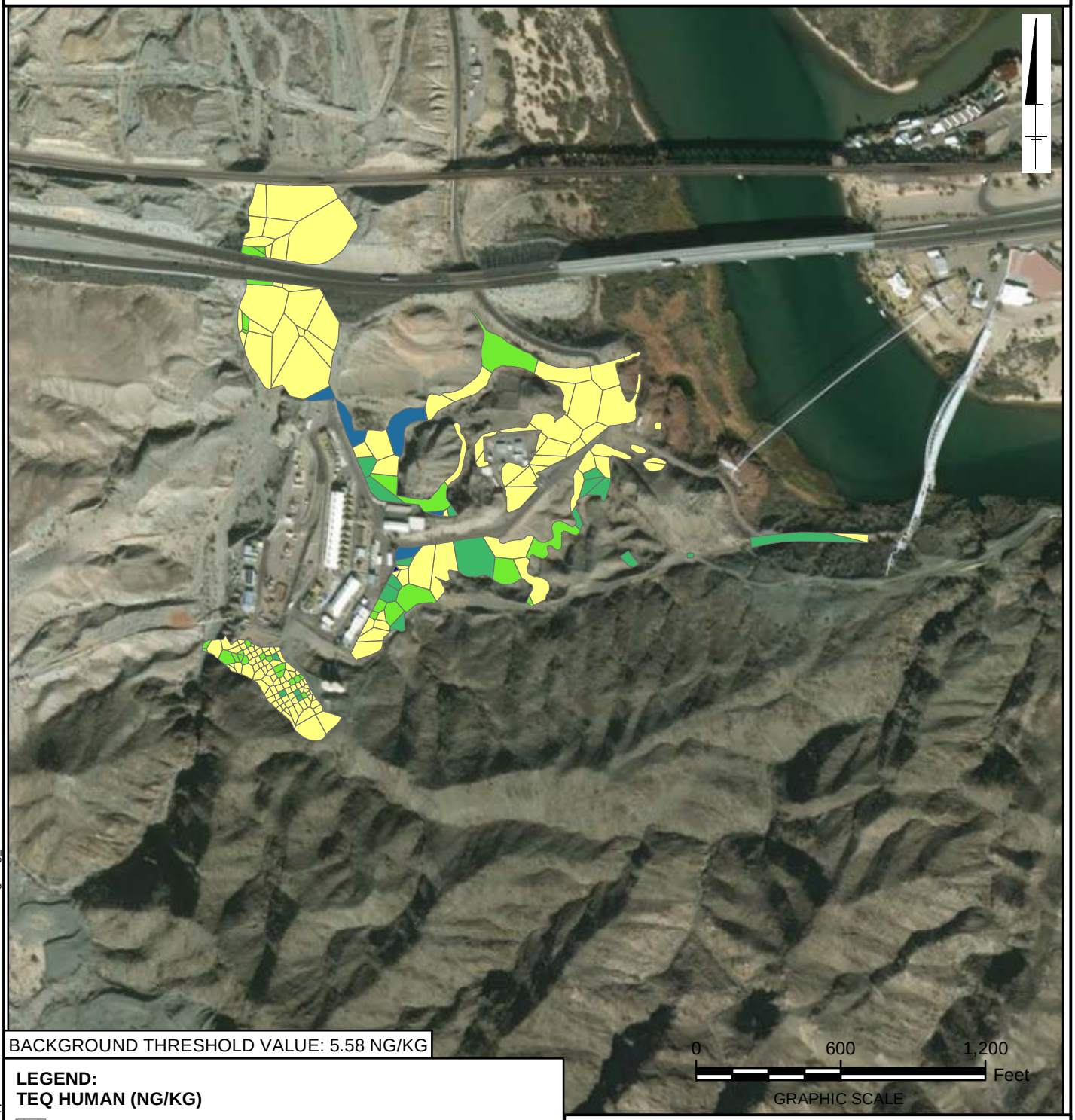
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.143

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
TEQ HUMAN



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ HUMAN (NG/KG)

- NOT DETECTED
- 0.02 - 35.00
- ≥35.00 - 110.00
- ≥110.00 - 280.00
- ≥280.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

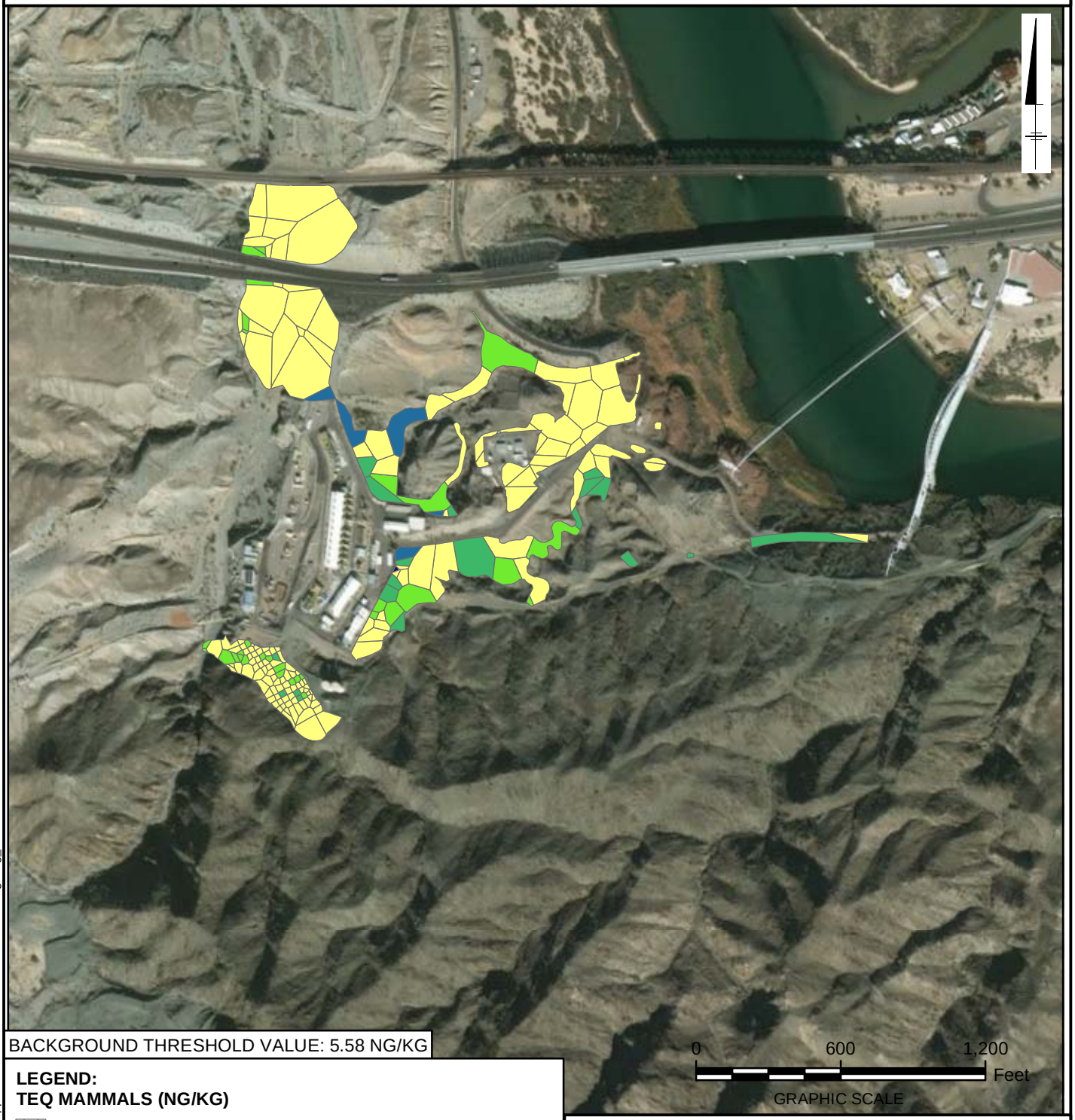
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.144

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
TEQ MAMMALS



BACKGROUND THRESHOLD VALUE: 5.58 NG/KG

LEGEND:
TEQ MAMMALS (NG/KG)

- NOT DETECTED
- 0.02 - 35.00
- ≥35.00 - 110.00
- ≥110.00 - 280.00
- ≥280.00 - 580.00
- ≥580.00 - 1600.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

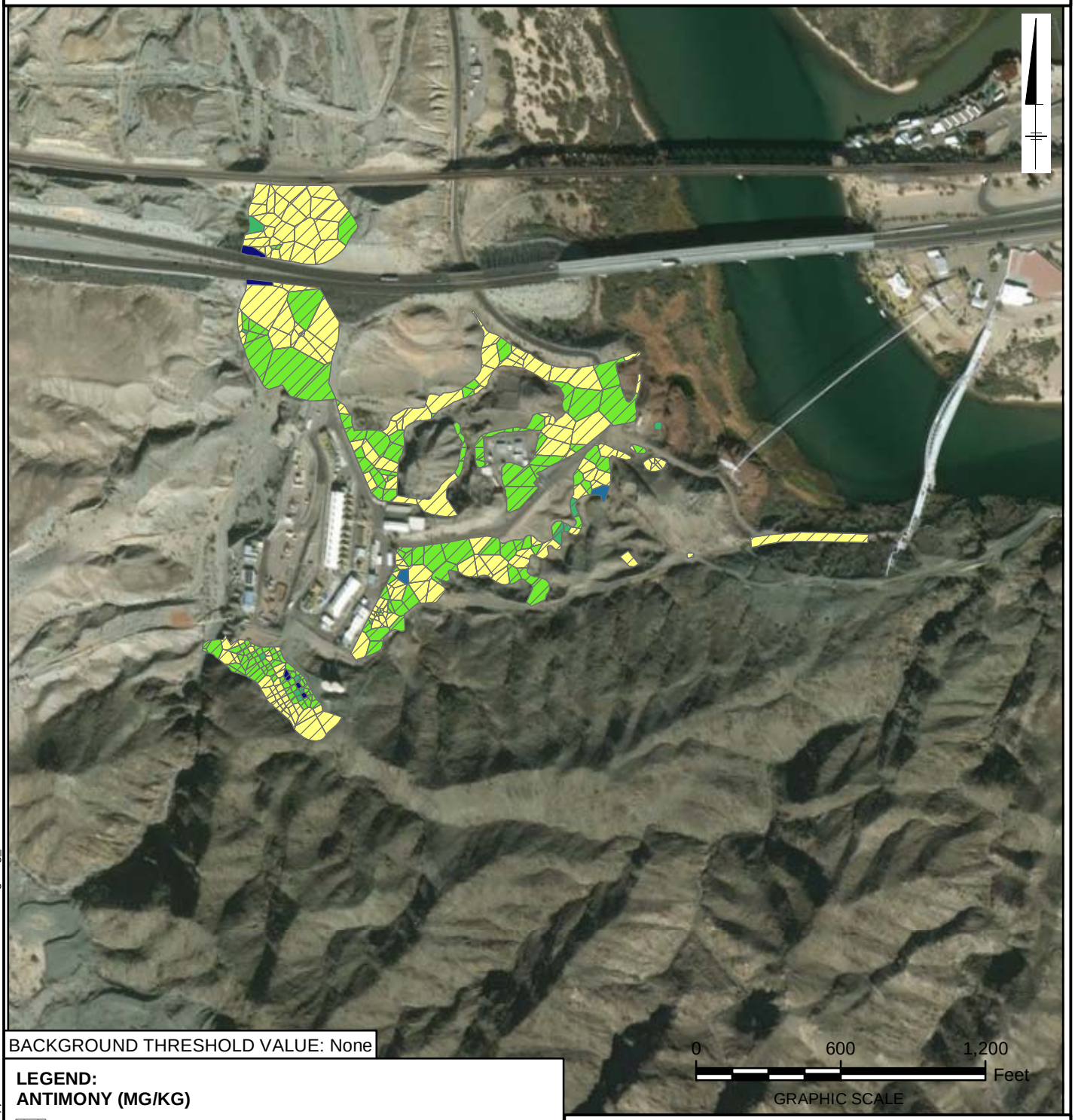
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.145

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ANTIMONY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTIMONY (MG/KG)

- NOT DETECTED
- 0.20 - 1.03
- ≥1.03 - 1.54
- ≥1.54 - 2.70
- ≥2.70 - 3.80
- ≥3.80 - 6.44

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

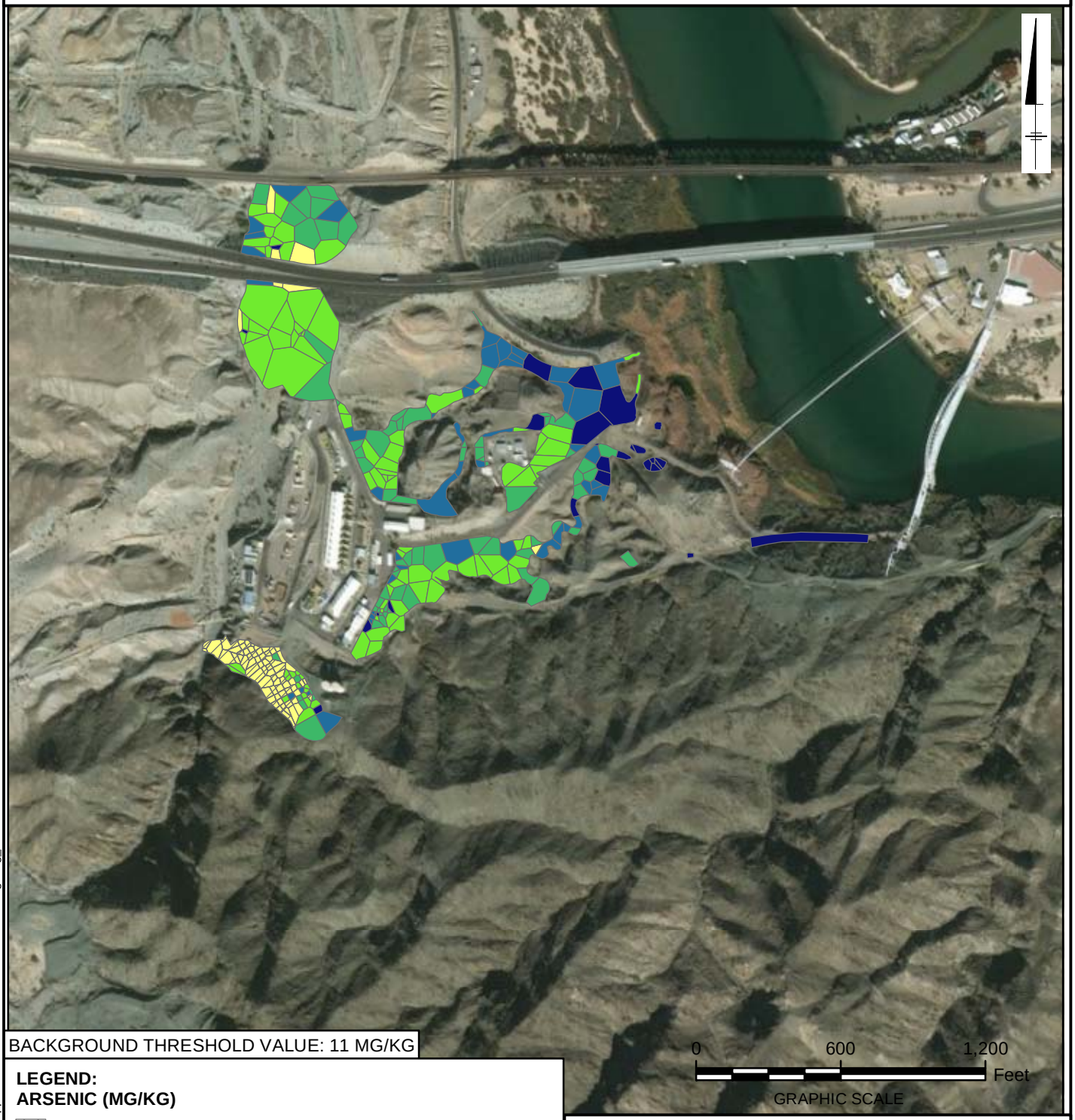
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.146

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ARSENIC



BACKGROUND THRESHOLD VALUE: 11 MG/KG

LEGEND:
ARSENIC (MG/KG)

- NOT DETECTED
- 0.50 - 1.80
- ≥1.80 - 3.74
- ≥3.74 - 5.35
- ≥5.35 - 7.76
- ≥7.76 - 15.70

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

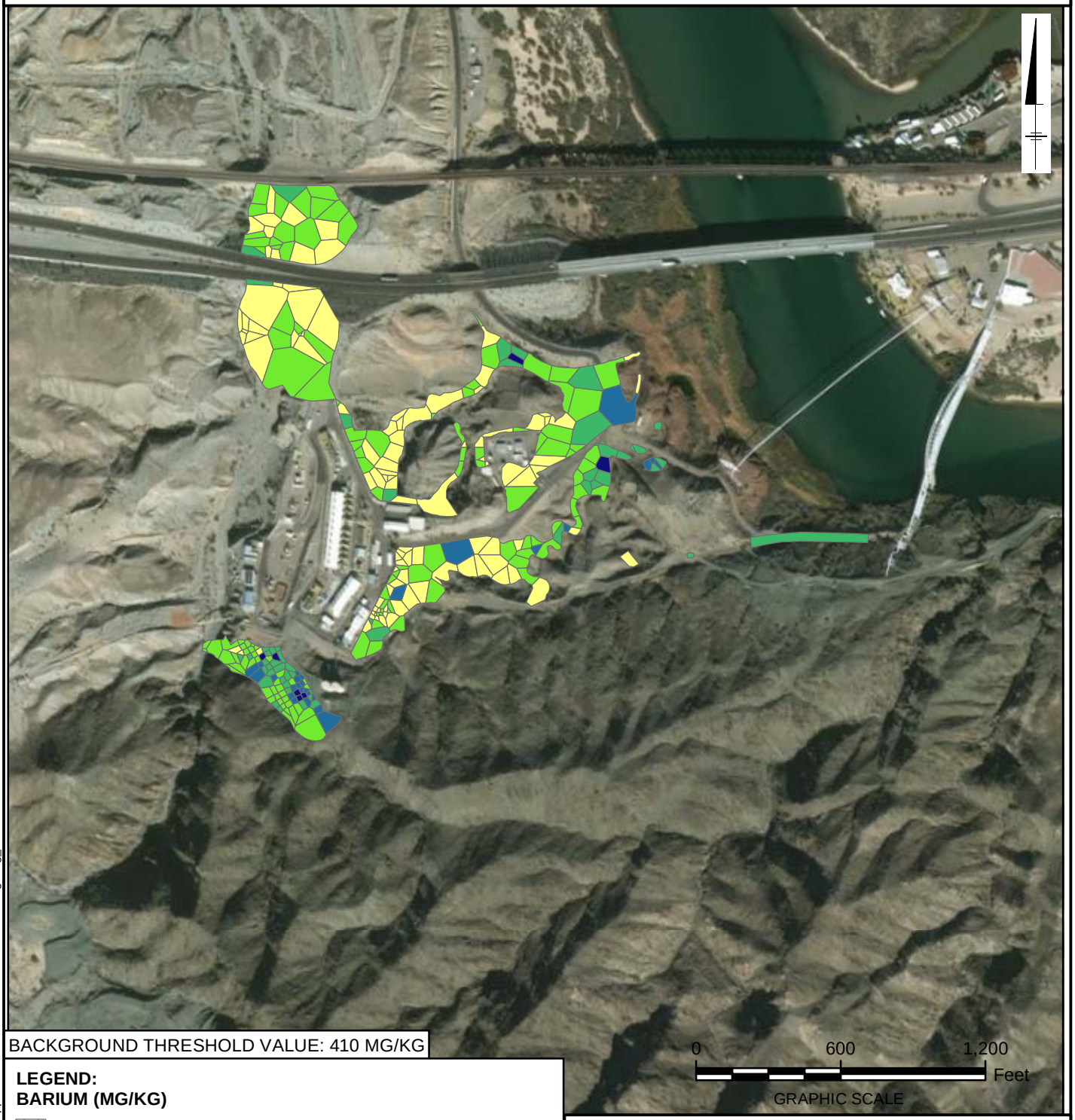
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.147

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
BARIUM



BACKGROUND THRESHOLD VALUE: 410 MG/KG

LEGEND:
BARIUM (MG/KG)

- NOT DETECTED
- 22.00 - 125.00
- ≥125.00 - 200.00
- ≥200.00 - 330.00
- ≥330.00 - 595.00
- ≥595.00 - 1300.00

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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

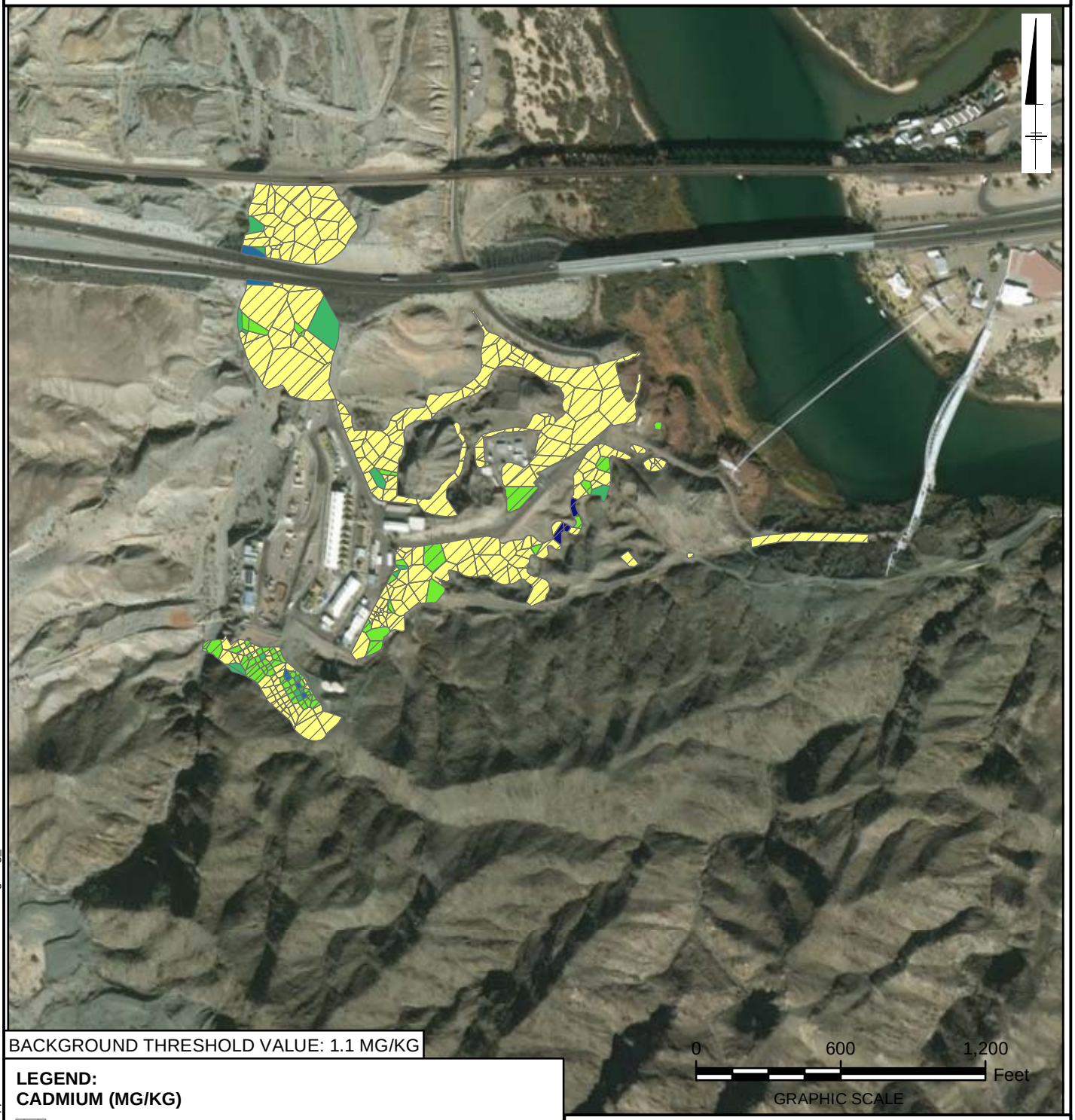
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.148

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
CADMIUM



BACKGROUND THRESHOLD VALUE: 1.1 MG/KG

LEGEND:
CADMIUM (MG/KG)

- NOT DETECTED
- 0.30 - 0.54
- ≥0.54 - 1.00
- ≥1.00 - 1.94
- ≥1.94 - 2.75
- ≥2.75 - 4.90

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PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

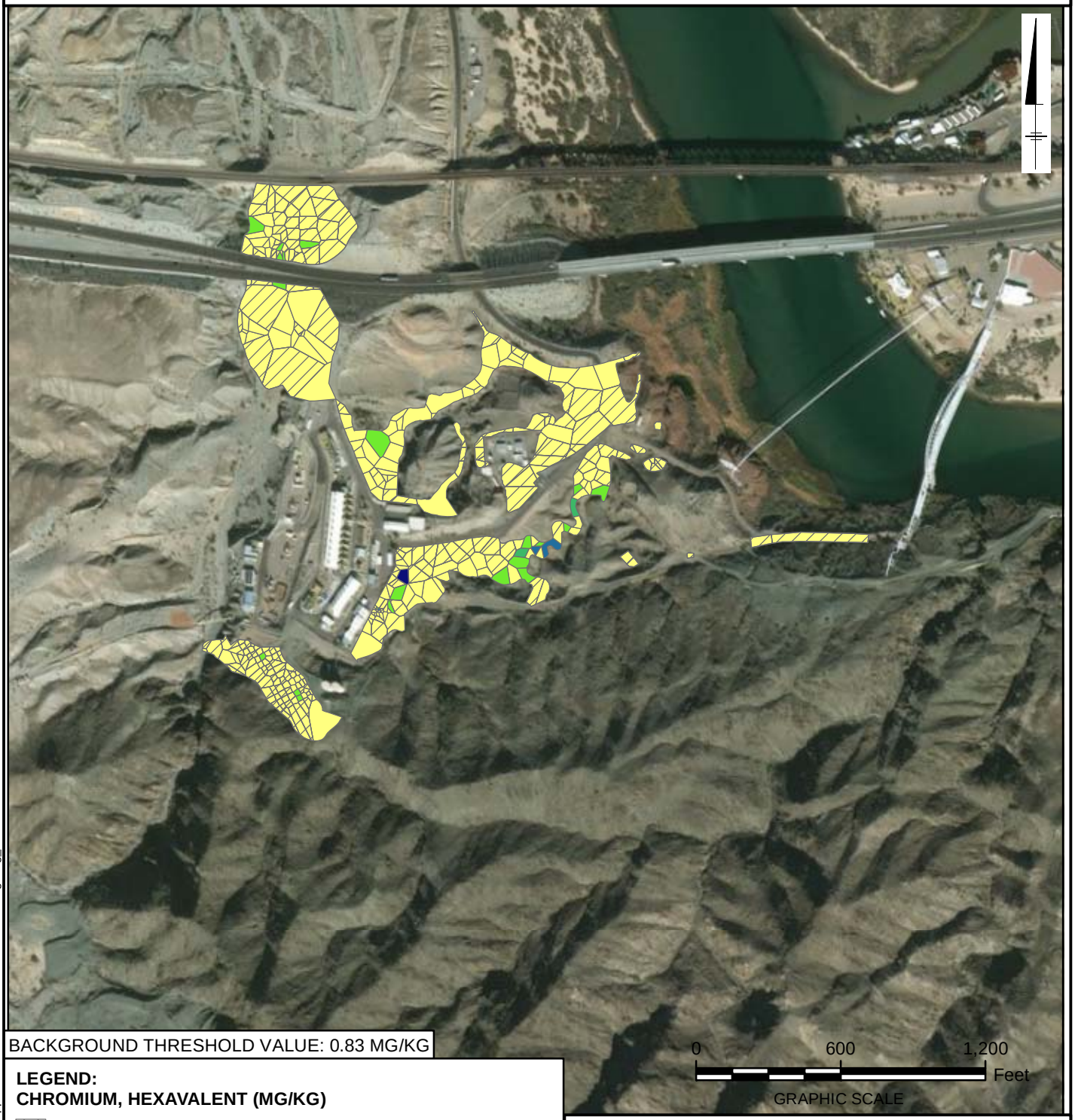
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.149

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
CHROMIUM, HEXAVALENT



BACKGROUND THRESHOLD VALUE: 0.83 MG/KG

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
CHROMIUM, HEXAVALENT (MG/KG)

- NOT DETECTED
- 0.08 - 4.40
- ≥4.40 - 16.00
- ≥16.00 - 41.00
- ≥41.00 - 150.00
- ≥150.00 - 550.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

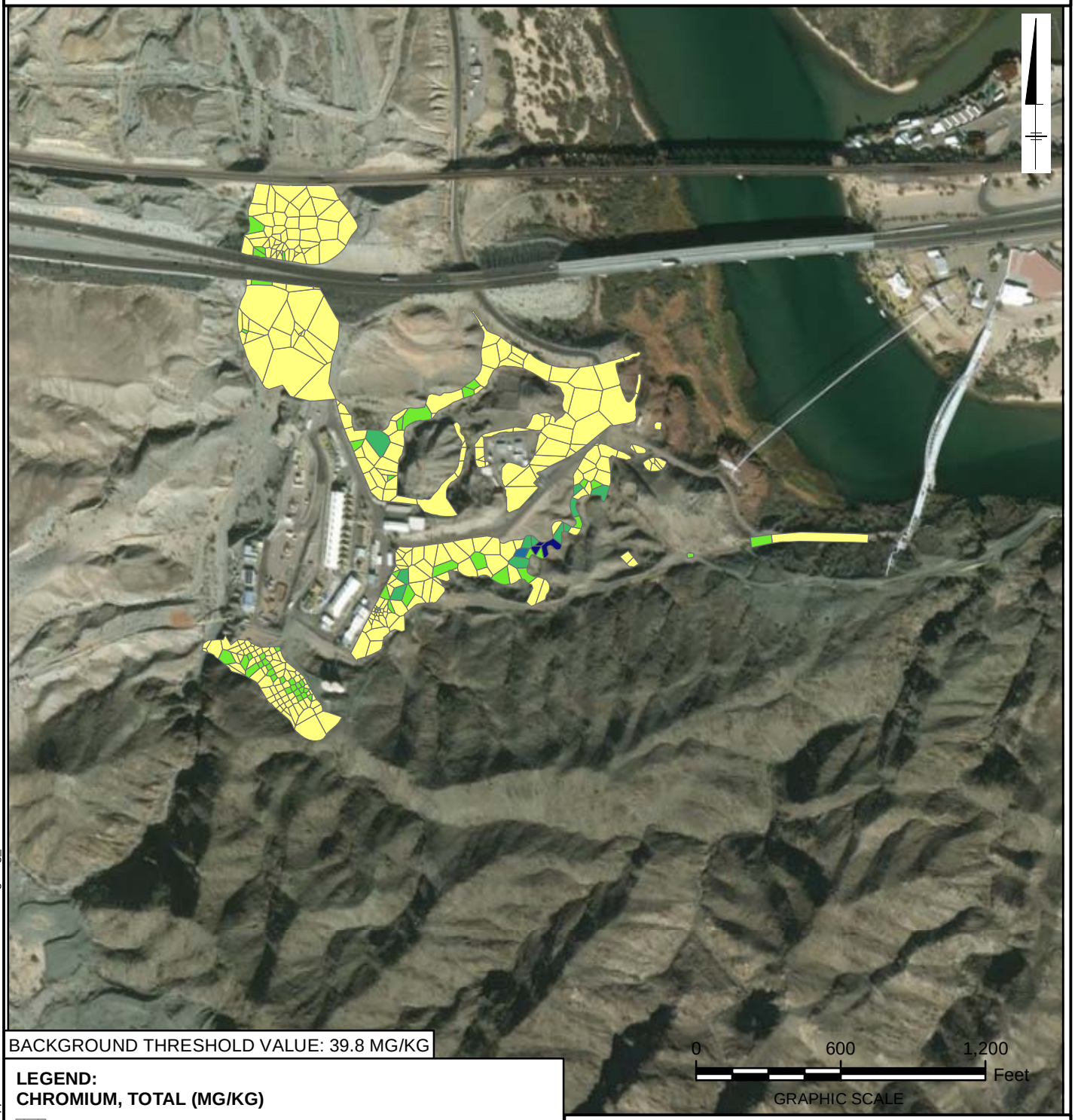
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.150

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
CHROMIUM, TOTAL



BACKGROUND THRESHOLD VALUE: 39.8 MG/KG

LEGEND:
CHROMIUM, TOTAL (MG/KG)

- NOT DETECTED
- 2.90 - 55.00
- ≥55.00 - 210.00
- ≥210.00 - 652.00
- ≥652.00 - 1610.00
- ≥1610.00 - 4000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

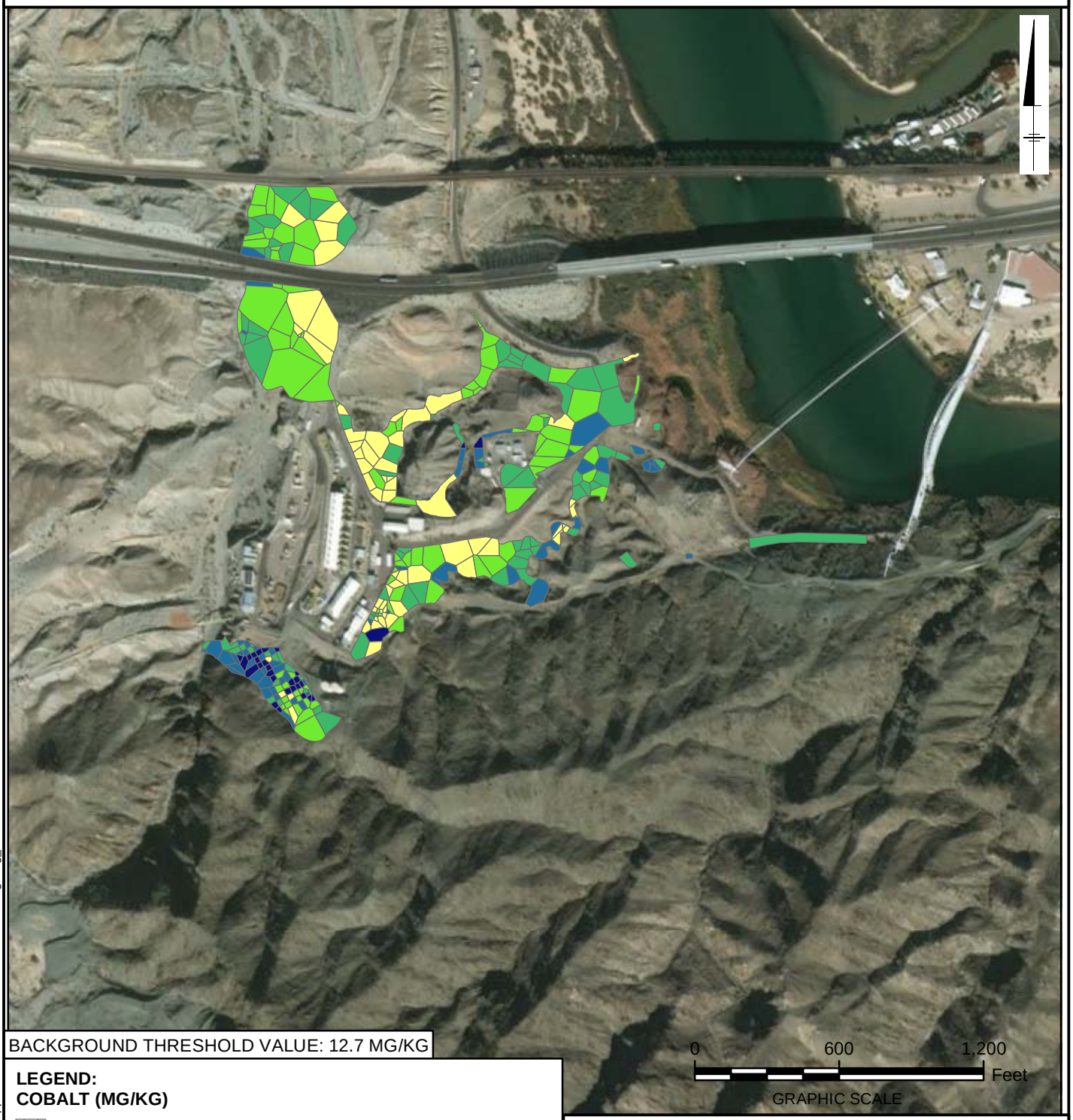
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.151

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
COBALT



BACKGROUND THRESHOLD VALUE: 12.7 MG/KG

LEGEND:
COBALT (MG/KG)

- NOT DETECTED
- 1.70 - 4.90
- ≥4.90 - 6.84
- ≥6.84 - 8.62
- ≥8.62 - 11.00
- ≥11.00 - 20.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

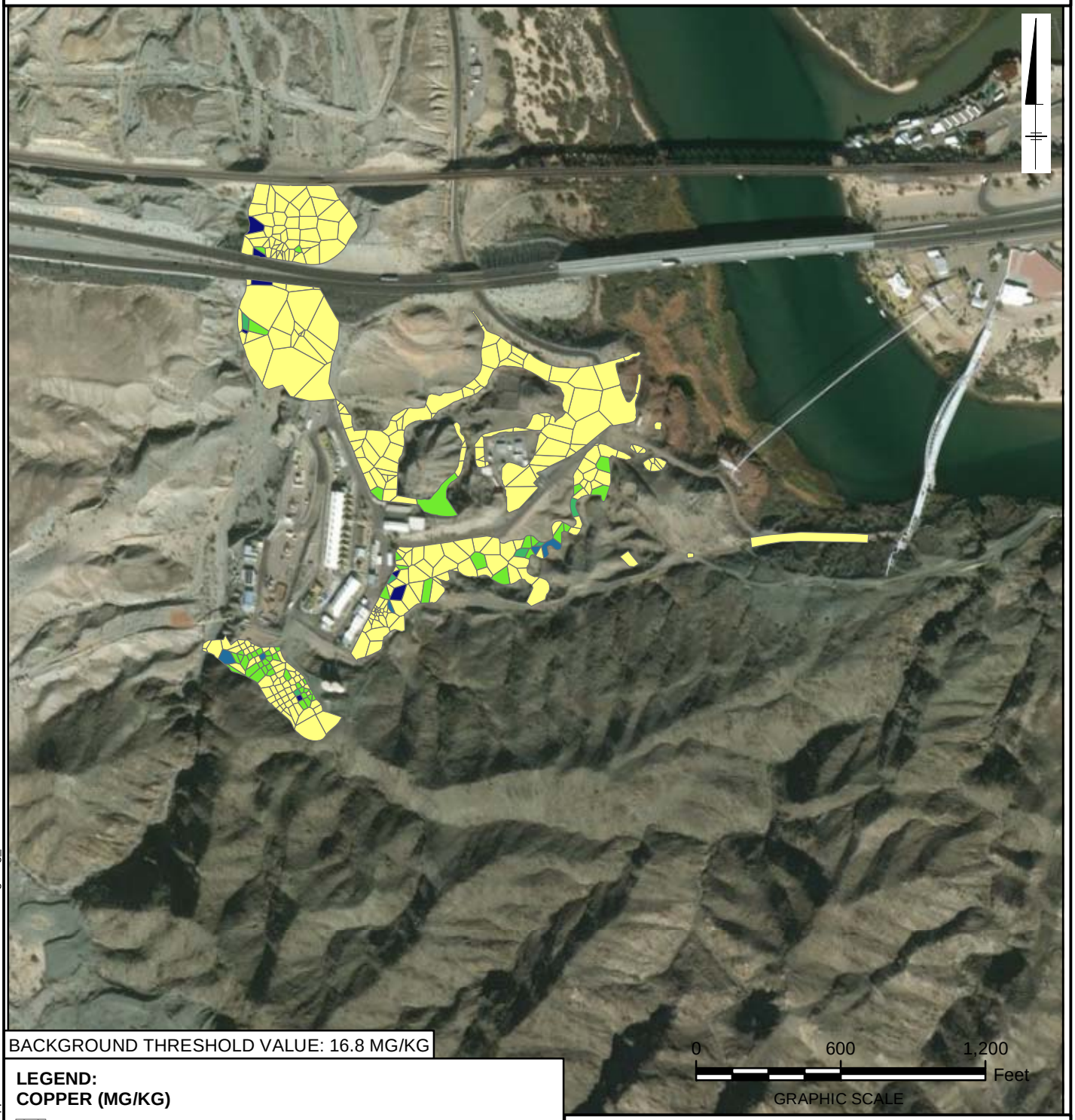
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.152

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
COPPER



BACKGROUND THRESHOLD VALUE: 16.8 MG/KG

LEGEND:
COPPER (MG/KG)

- NOT DETECTED
- 1.00 - 23.50
- ≥23.50 - 81.00
- ≥81.00 - 177.00
- ≥177.00 - 300.00
- ≥300.00 - 790.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

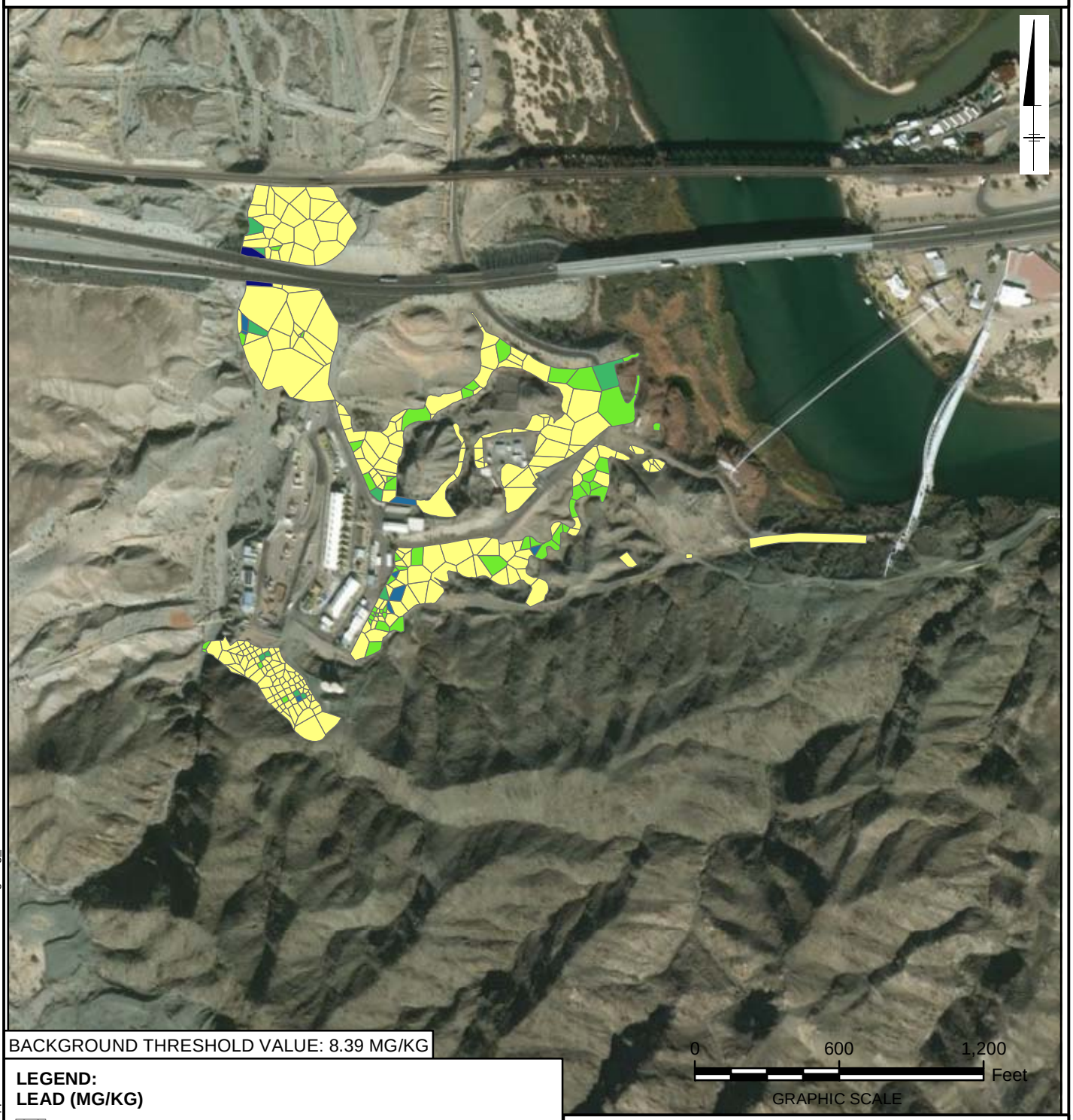
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.153

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
LEAD



BACKGROUND THRESHOLD VALUE: 8.39 MG/KG

LEGEND:
LEAD (MG/KG)

- NOT DETECTED
- 0.50 - 11.00
- ≥11.00 - 32.00
- ≥32.00 - 96.00
- ≥96.00 - 220.00
- ≥220.00 - 484.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

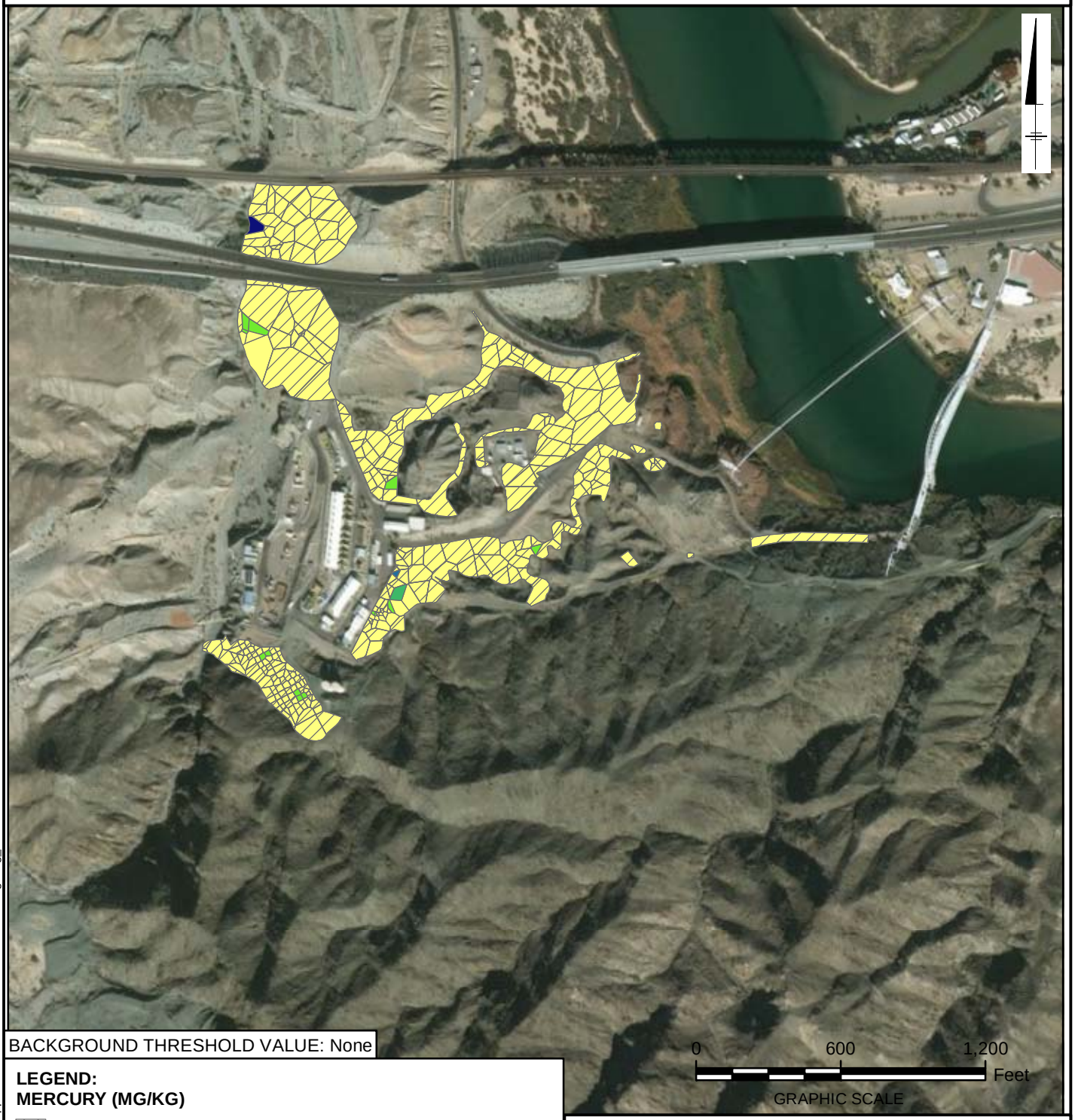
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.154

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
MERCURY



BACKGROUND THRESHOLD VALUE: None

LEGEND:
MERCURY (MG/KG)

- NOT DETECTED
- 0.01 - 0.18
- ≥0.18 - 0.64
- ≥0.64 - 2.59
- ≥2.59 - 7.04
- ≥7.04 - 71.90

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

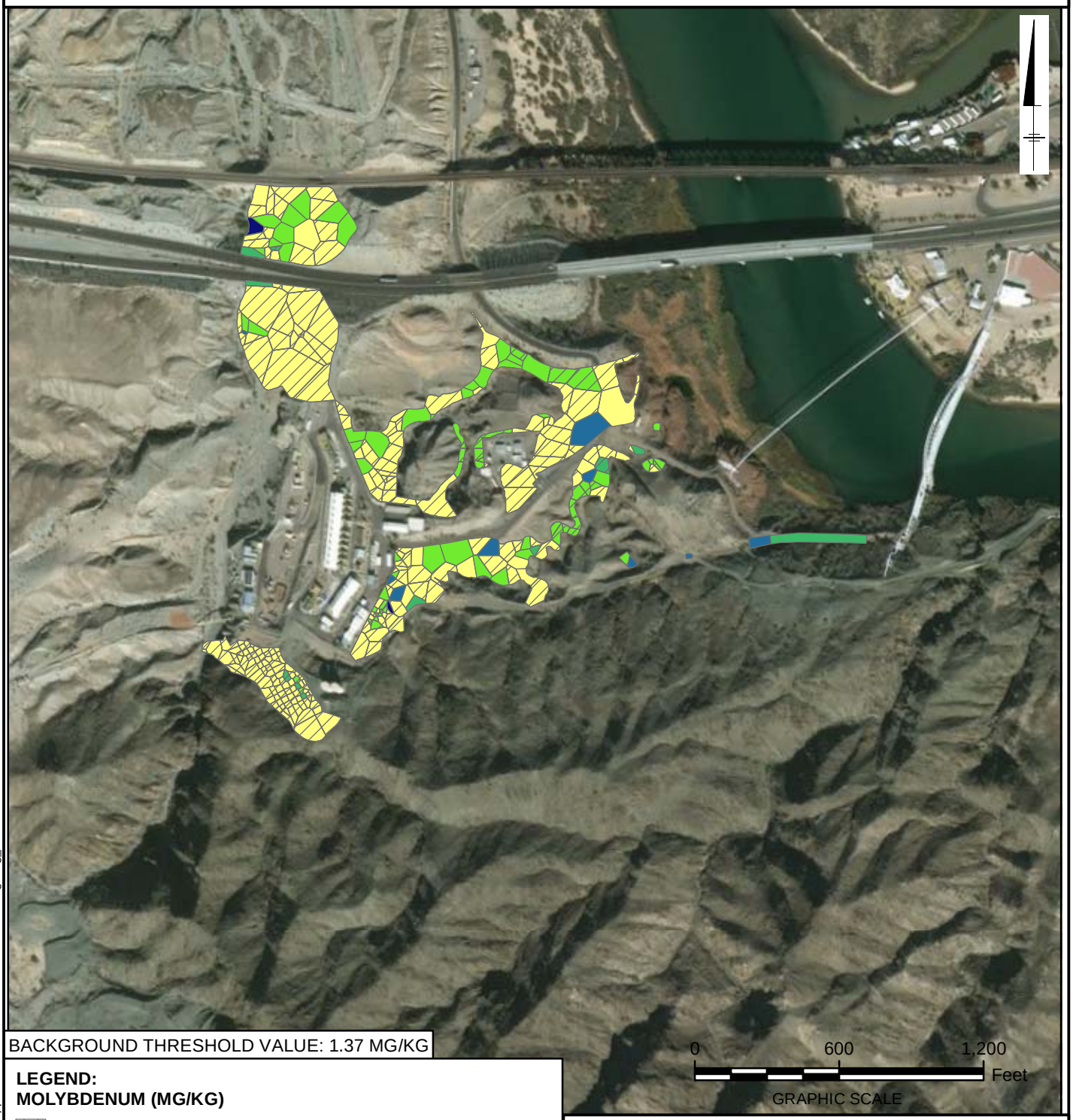
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.155

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
MOLYBDENUM



BACKGROUND THRESHOLD VALUE: 1.37 MG/KG

LEGEND:
MOLYBDENUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.96
- ≥0.96 - 2.45
- ≥2.45 - 5.80
- ≥5.80 - 13.00
- ≥13.00 - 22.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
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REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

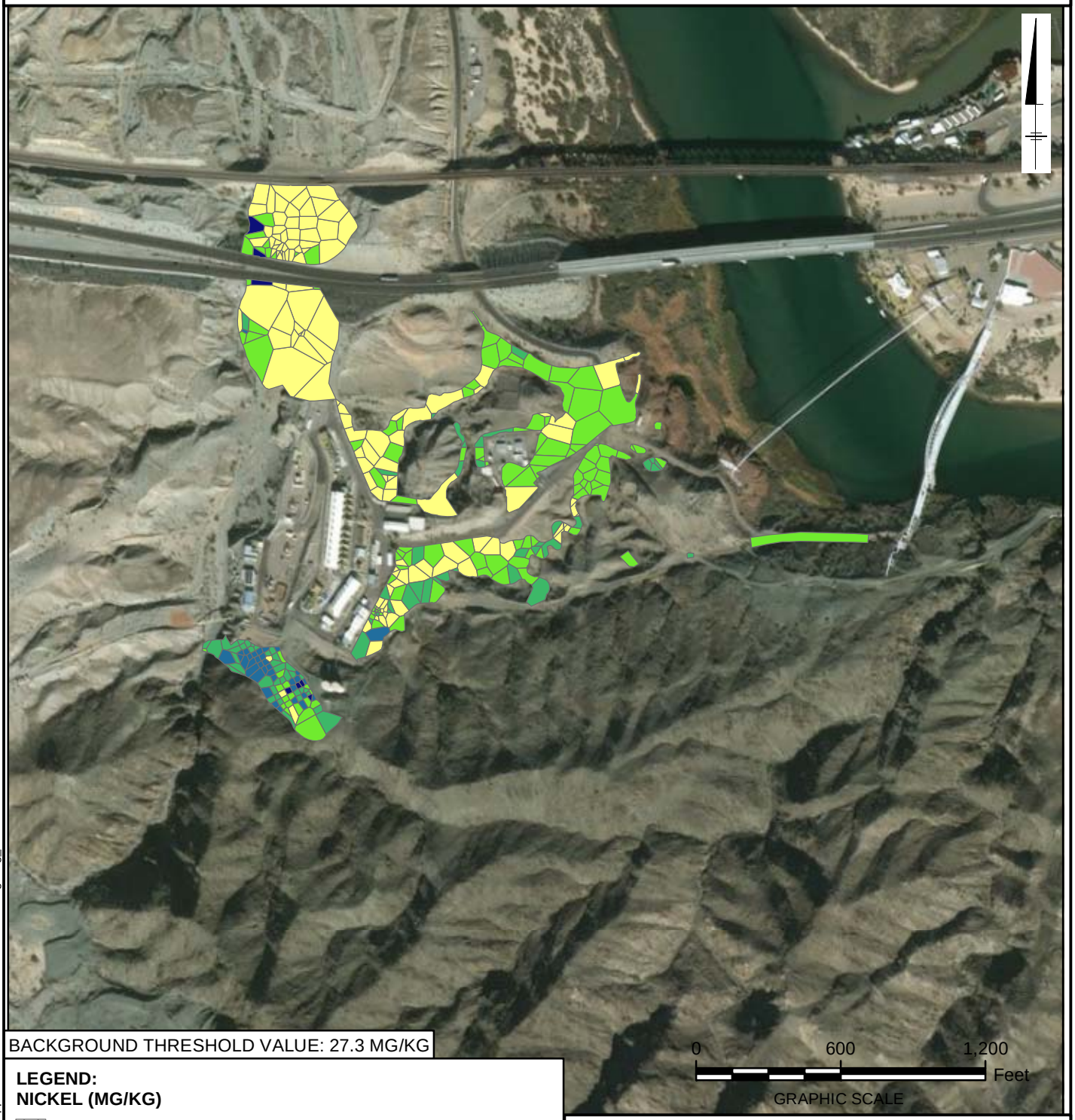
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.156

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
NICKEL



BACKGROUND THRESHOLD VALUE: 27.3 MG/KG

LEGEND:
NICKEL (MG/KG)

- NOT DETECTED
- 0.28 - 11.40
- ≥11.40 - 18.60
- ≥18.60 - 29.00
- ≥29.00 - 46.00
- ≥46.00 - 87.80

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

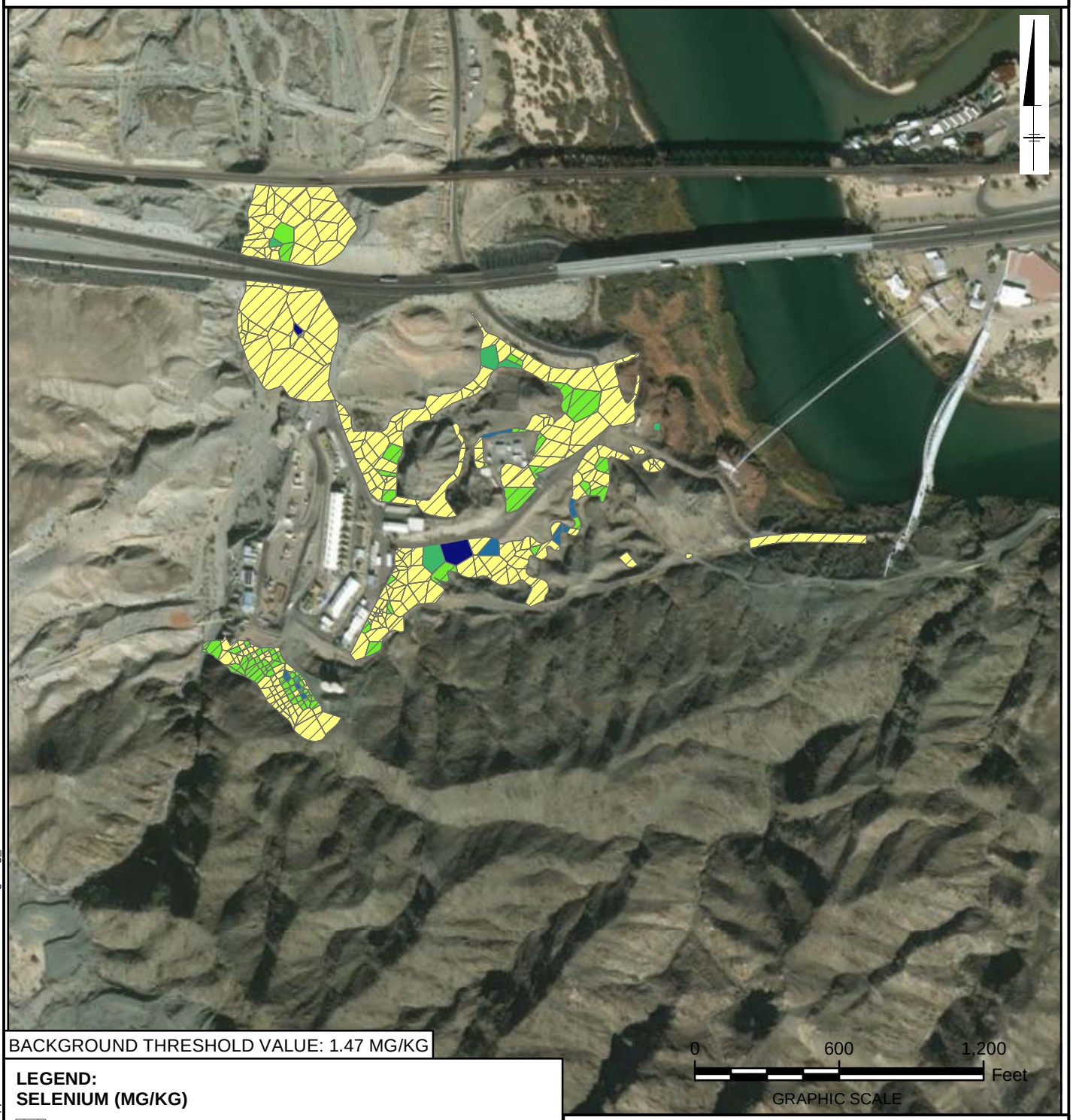
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.157

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
SELENIUM



BACKGROUND THRESHOLD VALUE: 1.47 MG/KG

LEGEND:
SELENIUM (MG/KG)

- NOT DETECTED
- 0.50 - 0.53
- ≥0.53 - 0.81
- ≥0.81 - 1.58
- ≥1.58 - 2.75
- ≥2.75 - 9.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

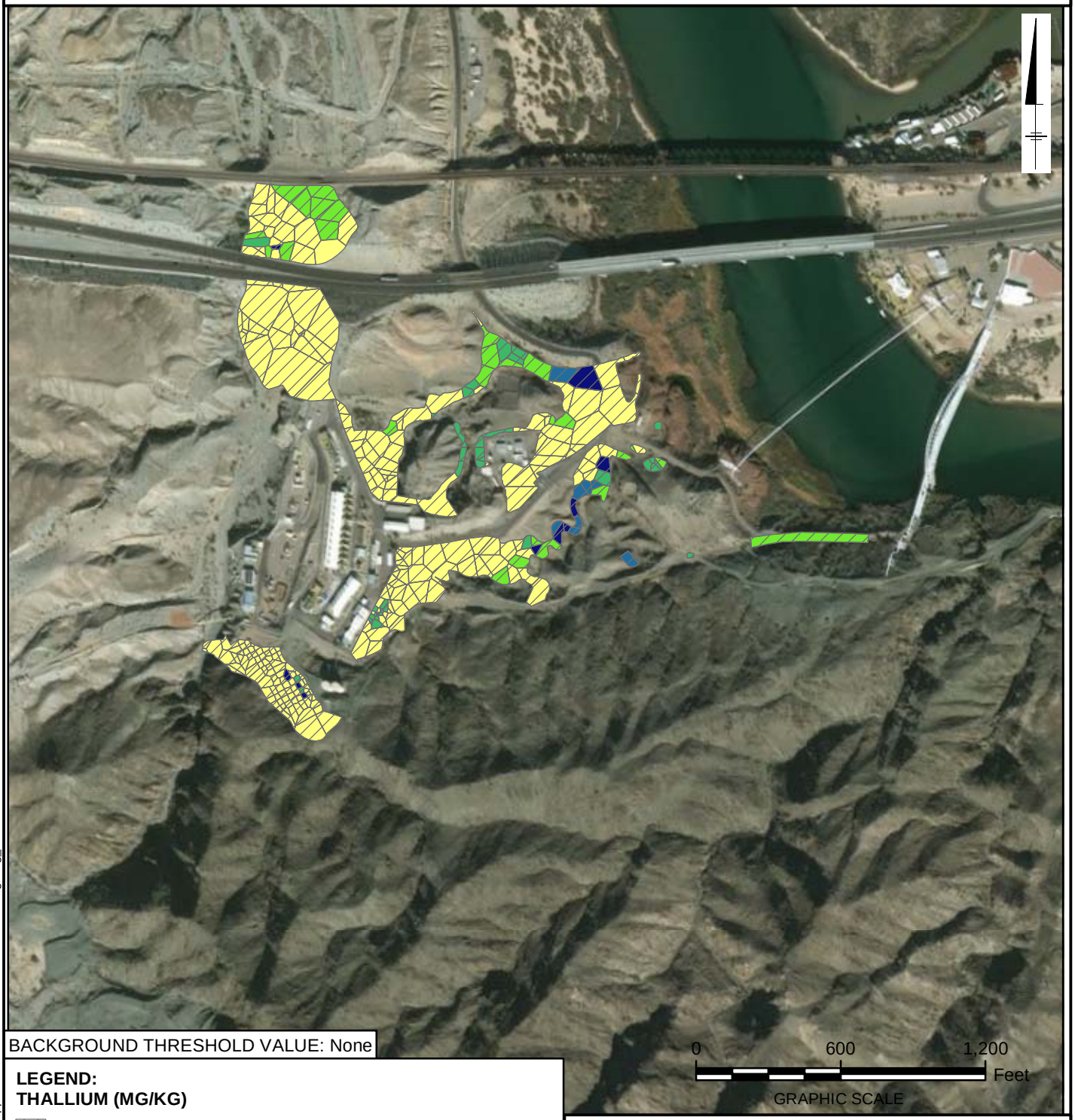
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.158

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
THALLIUM



BACKGROUND THRESHOLD VALUE: None

LEGEND:
THALLIUM (MG/KG)

- NOT DETECTED
- 0.50 - 1.25
- ≥1.25 - 1.72
- ≥1.72 - 2.15
- ≥2.15 - 4.01
- ≥4.01 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

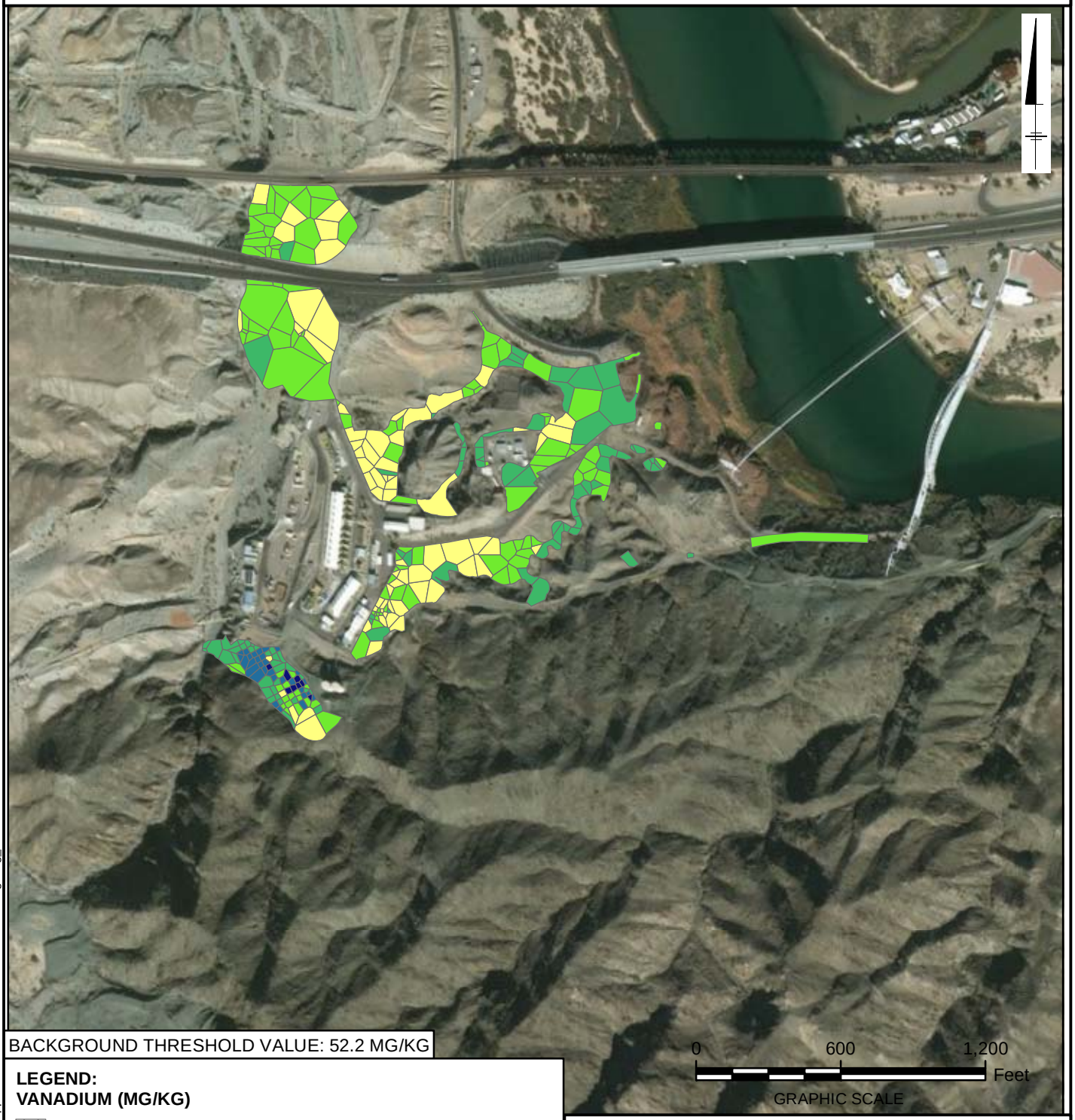
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.159

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
VANADIUM



BACKGROUND THRESHOLD VALUE: 52.2 MG/KG

LEGEND:
VANADIUM (MG/KG)

- NOT DETECTED
- 9.20 - 24.00
- ≥24.00 - 33.20
- ≥33.20 - 46.00
- ≥46.00 - 67.00
- ≥67.00 - 100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

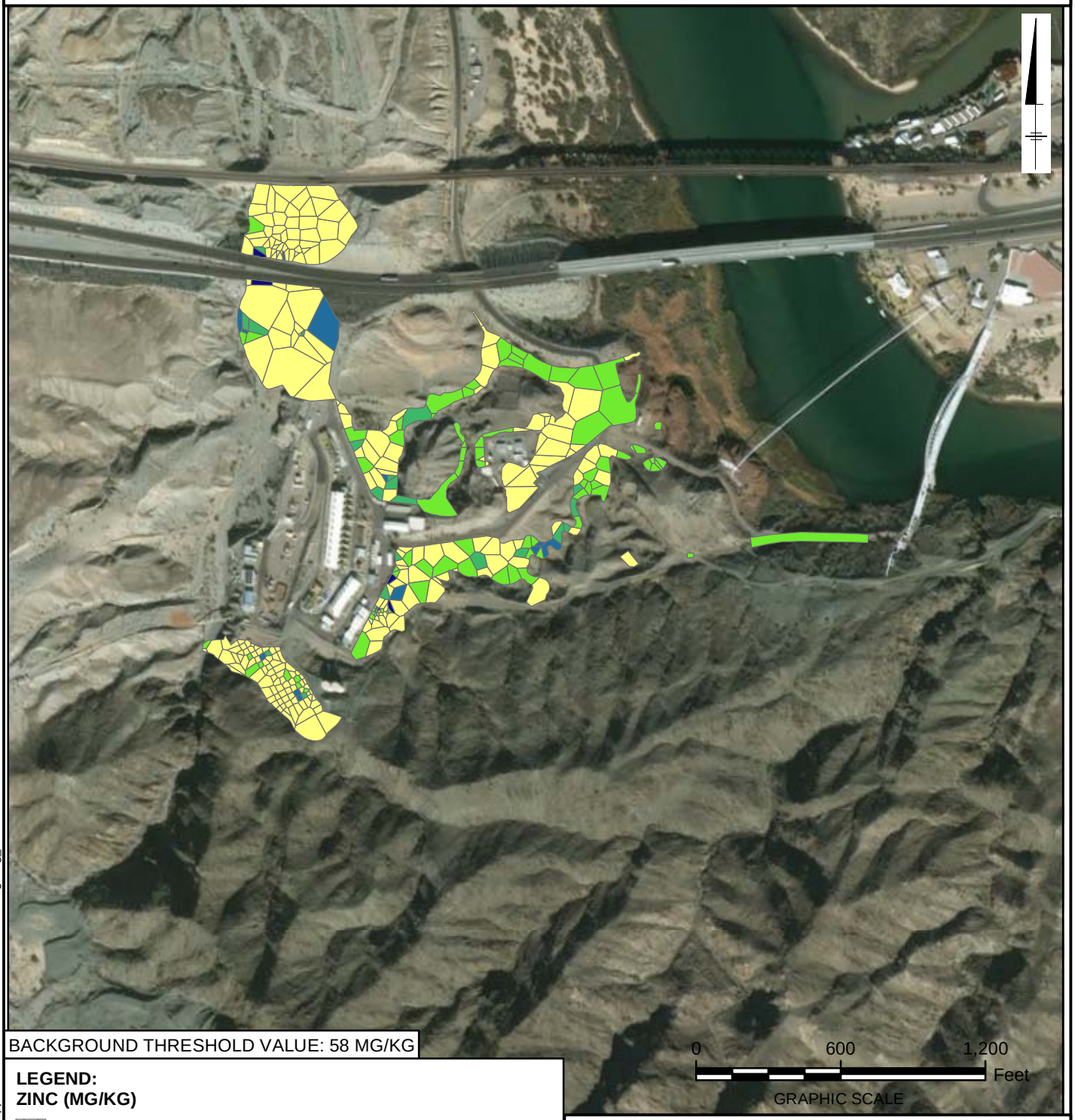
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.160

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ZINC



BACKGROUND THRESHOLD VALUE: 58 MG/KG

LEGEND:
ZINC (MG/KG)

- NOT DETECTED
- 6.90 - 53.10
- ≥53.10 - 110.00
- ≥110.00 - 225.00
- ≥225.00 - 493.00
- ≥493.00 - 1000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

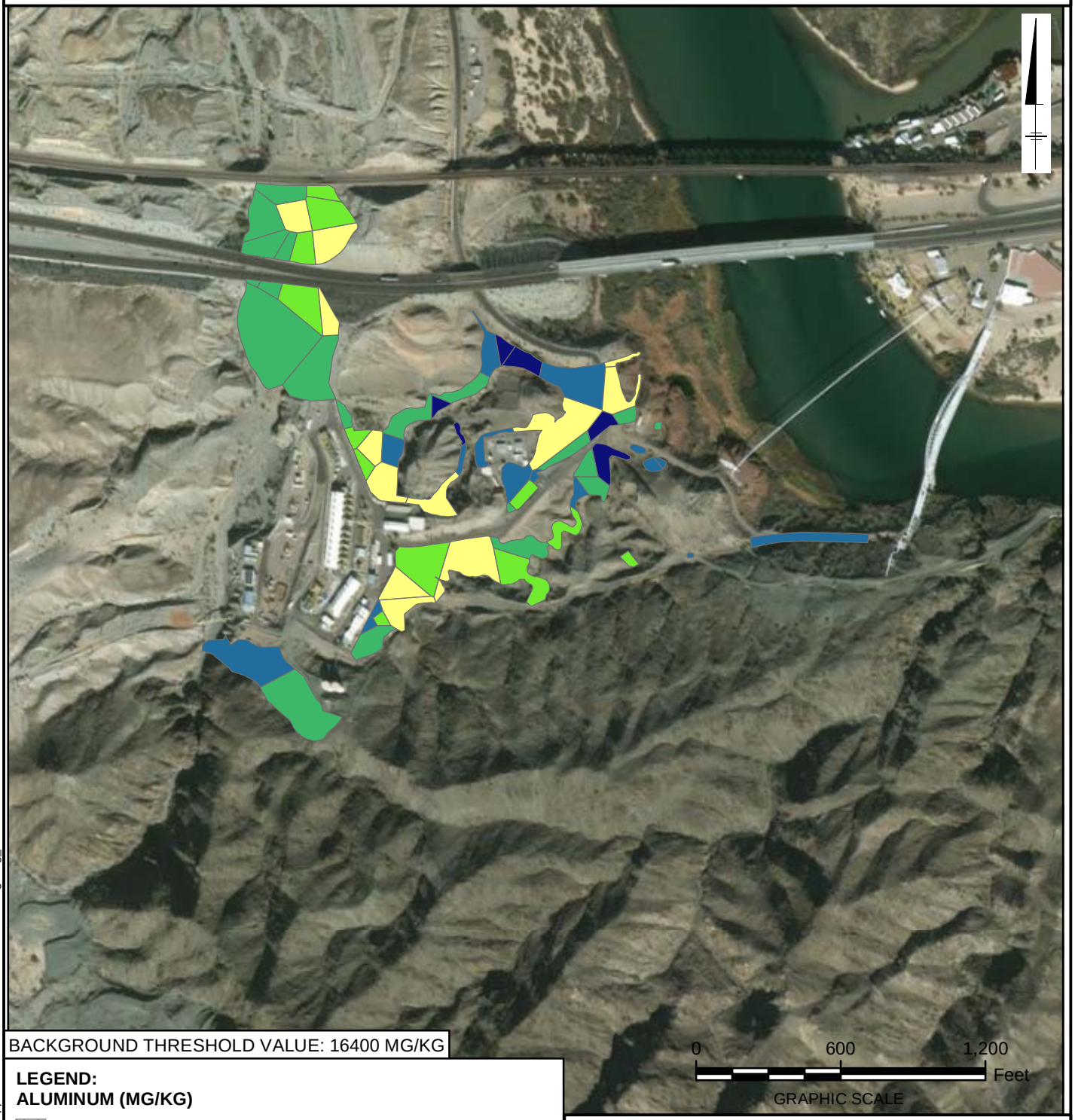
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.161

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ALUMINUM



BACKGROUND THRESHOLD VALUE: 16400 MG/KG

LEGEND:
ALUMINUM (MG/KG)

- NOT DETECTED
- 3000.00 - 5400.00
- ≥5400.00 - 7700.00
- ≥7700.00 - 9100.00
- ≥9100.00 - 13000.00
- ≥13000.00 - 20000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

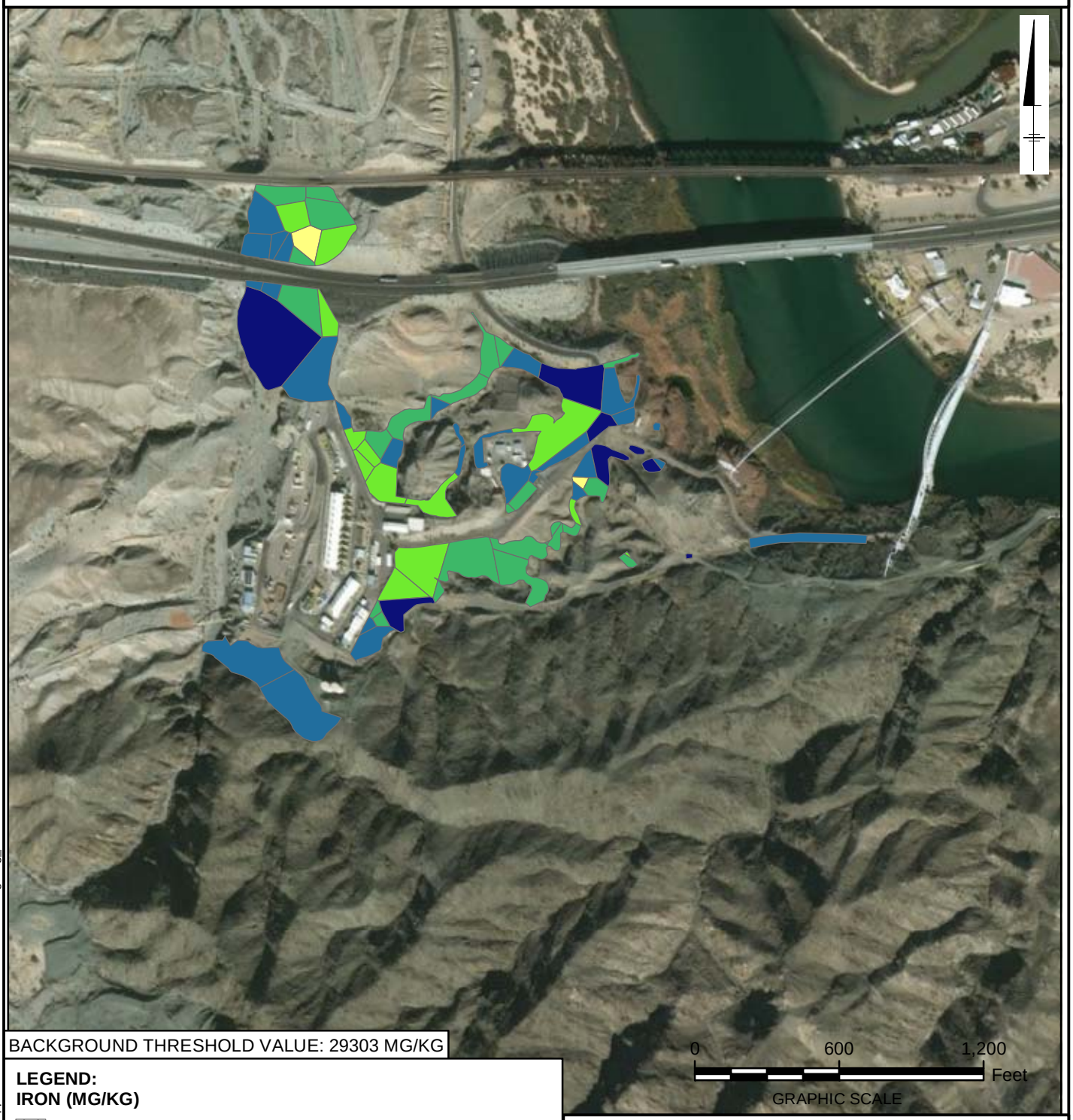
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.162

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
IRON



BACKGROUND THRESHOLD VALUE: 29303 MG/KG

LEGEND:
IRON (MG/KG)

- NOT DETECTED
- 425.00 - 540.00
- ≥540.00 - 11000.00
- ≥11000.00 - 17000.00
- ≥17000.00 - 23100.00
- ≥23100.00 - 32000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

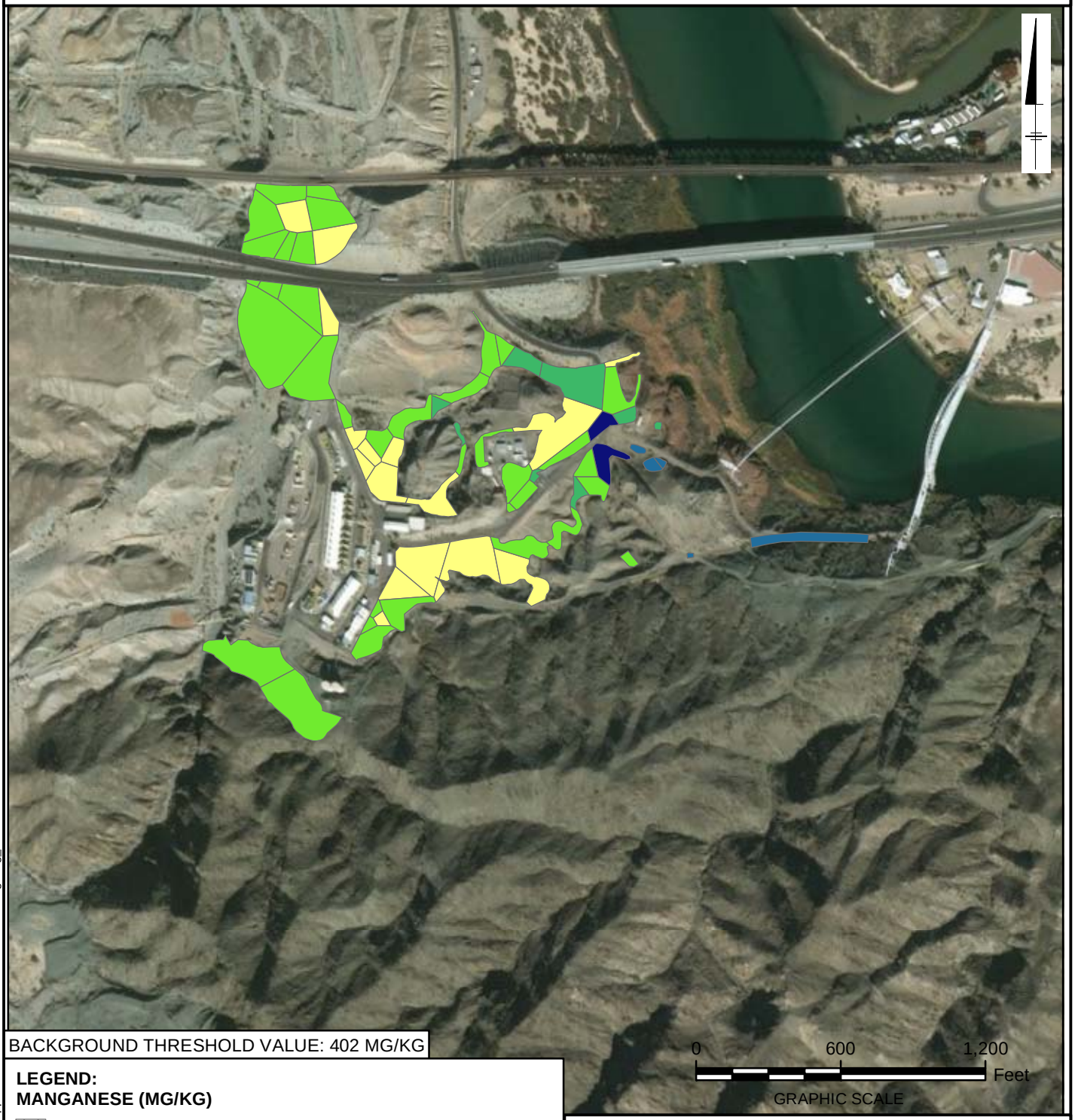
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.163

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
MANGANESE



BACKGROUND THRESHOLD VALUE: 402 MG/KG

LEGEND:
MANGANESE (MG/KG)

- NOT DETECTED
- 120.00 - 210.00
- ≥210.00 - 330.00
- ≥330.00 - 470.00
- ≥470.00 - 840.00
- ≥840.00 - 1300.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

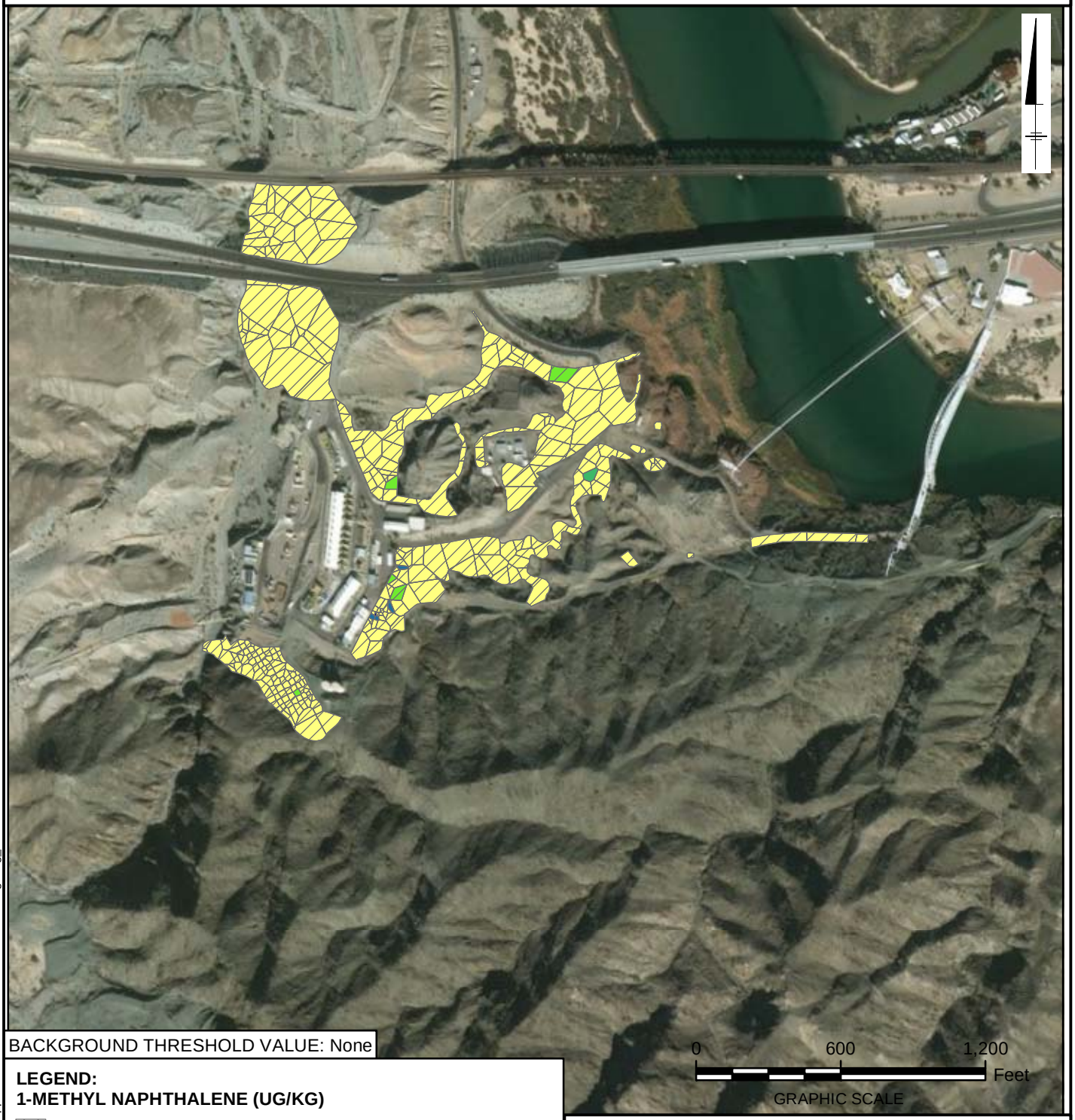
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.164

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
1-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
1-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 5.72
- ≥5.72 - 11.70
- ≥11.70 - 19.20
- ≥19.20 - 53.00
- ≥53.00 - 208.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

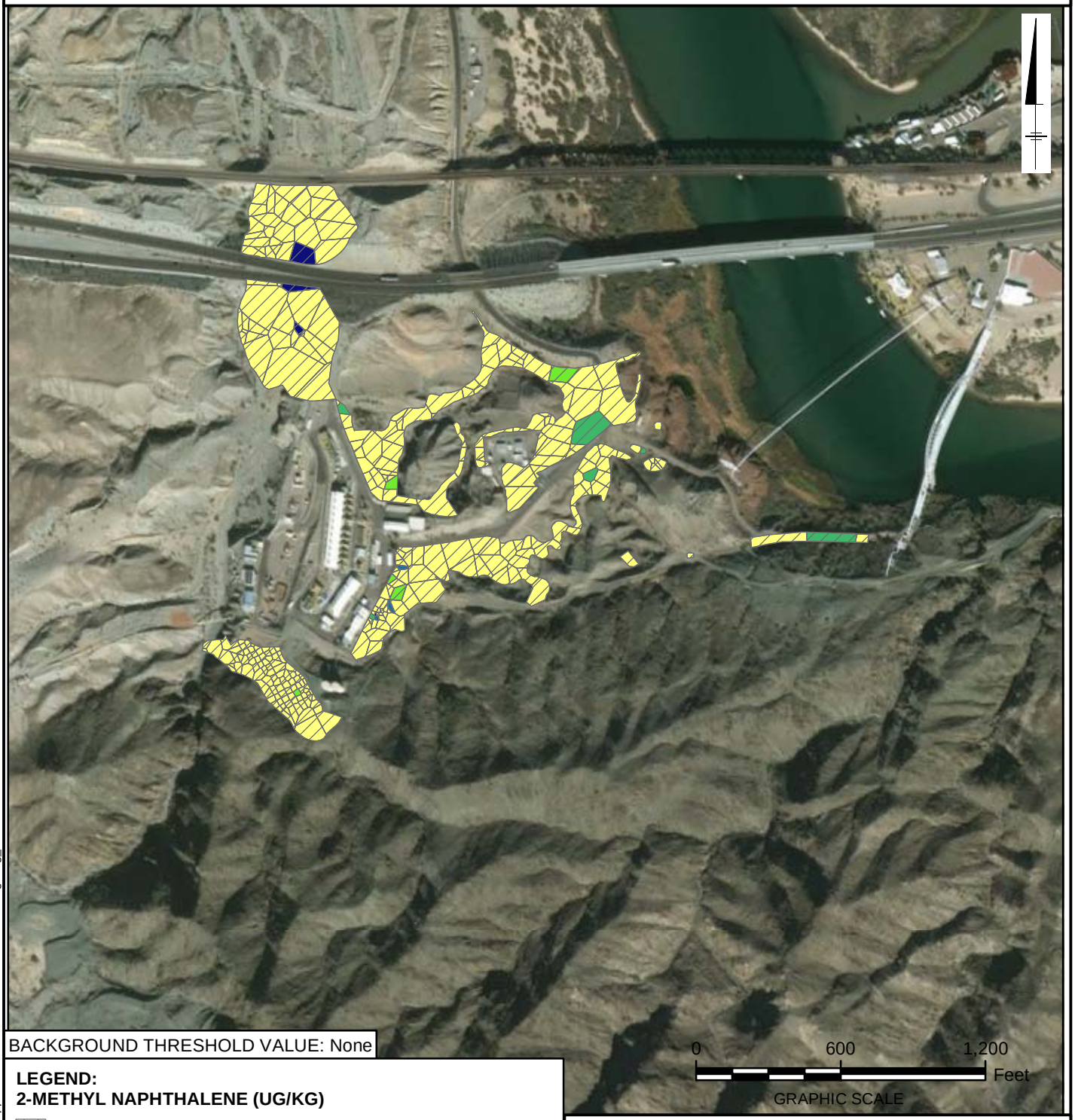
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.165

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
2-METHYL NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
2-METHYL NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.50 - 6.16
- ≥6.16 - 15.90
- ≥15.90 - 31.30
- ≥31.30 - 53.00
- ≥53.00 - 216.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

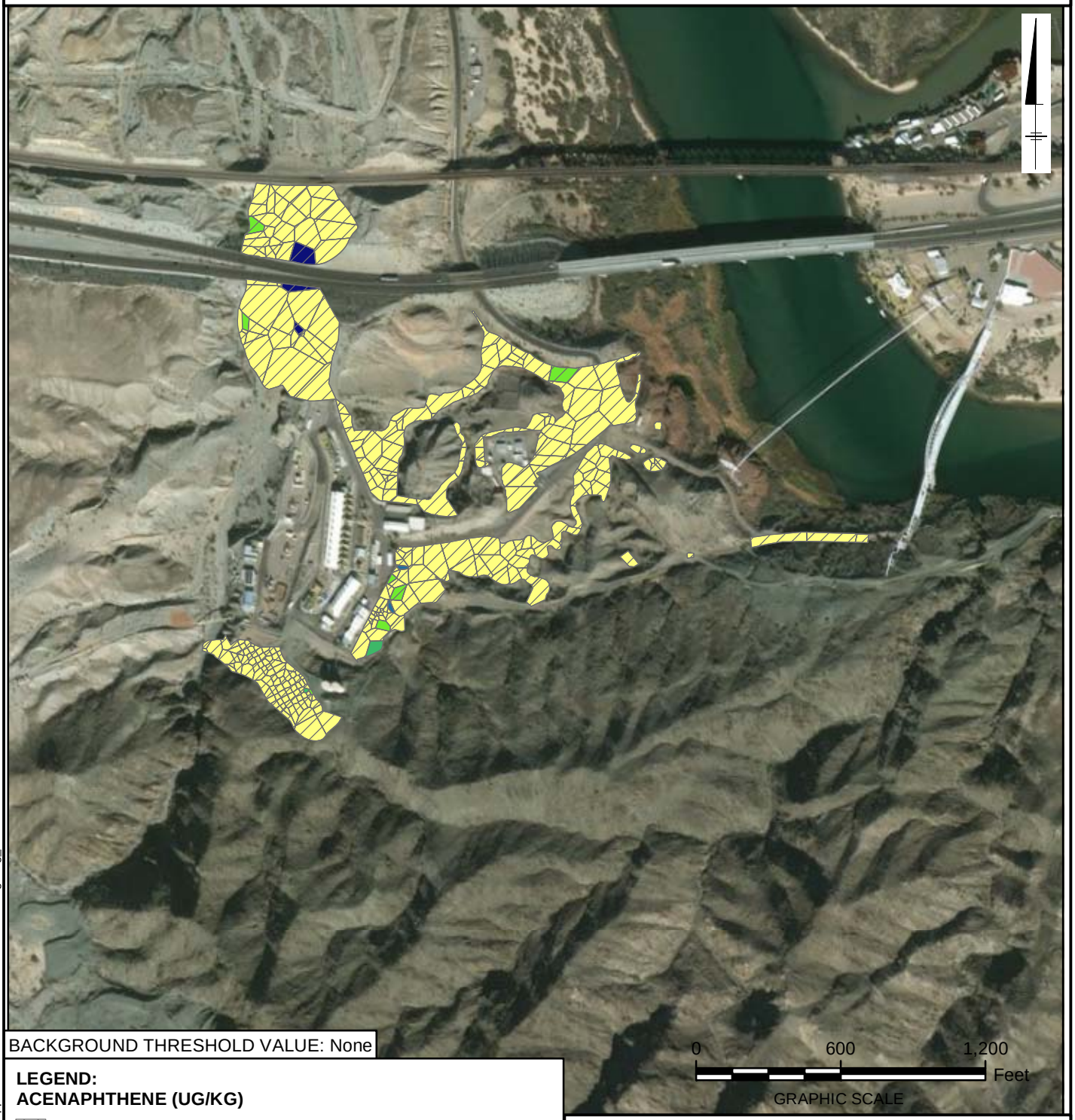
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.166

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ACENAPHTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.75
- ≥4.75 - 12.30
- ≥12.30 - 31.10
- ≥31.10 - 53.00
- ≥53.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

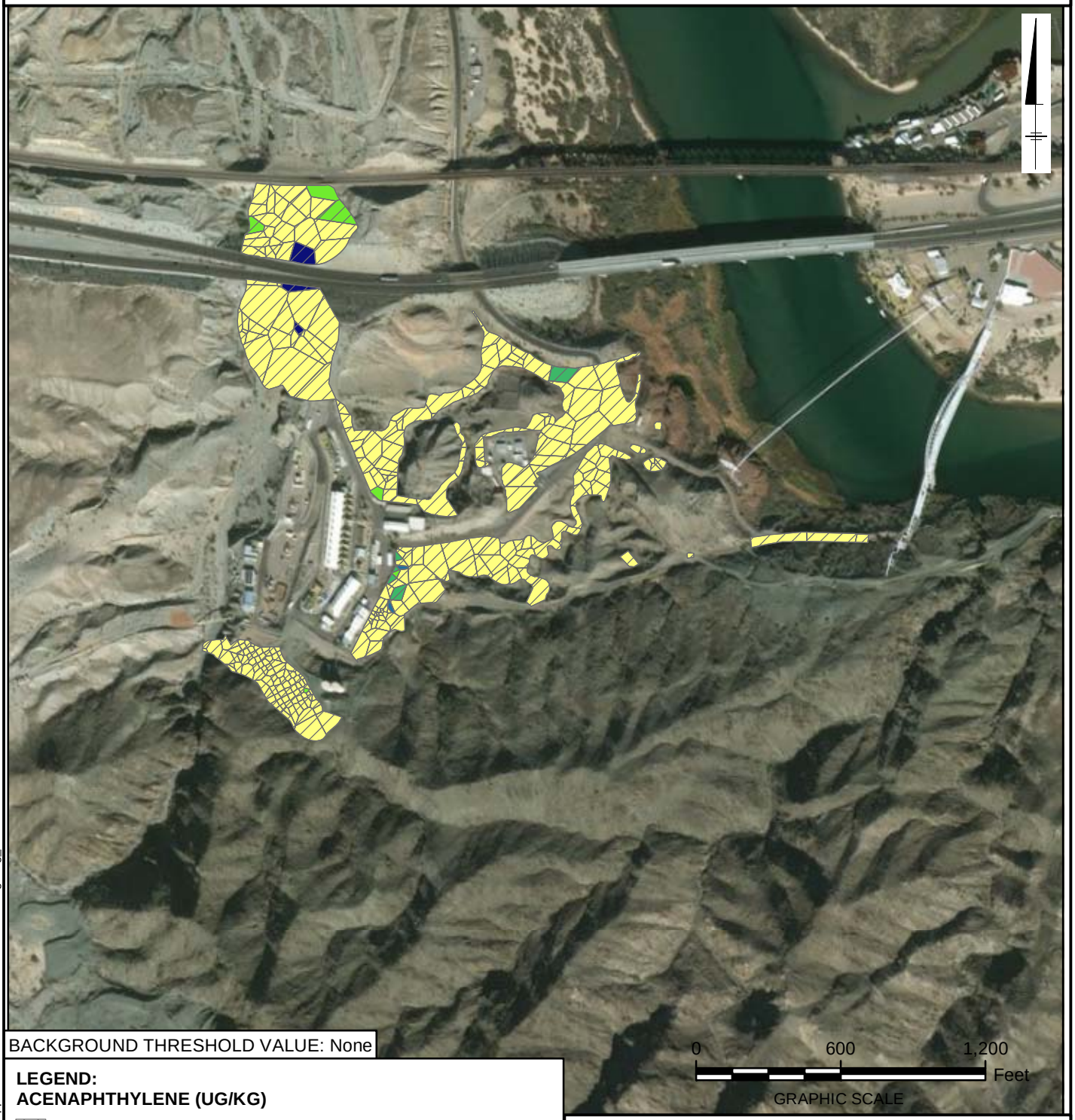
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.167

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ACENAPHTHYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ACENAPHTHYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 3.62
- ≥3.62 - 6.00
- ≥6.00 - 10.50
- ≥10.50 - 53.00
- ≥53.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

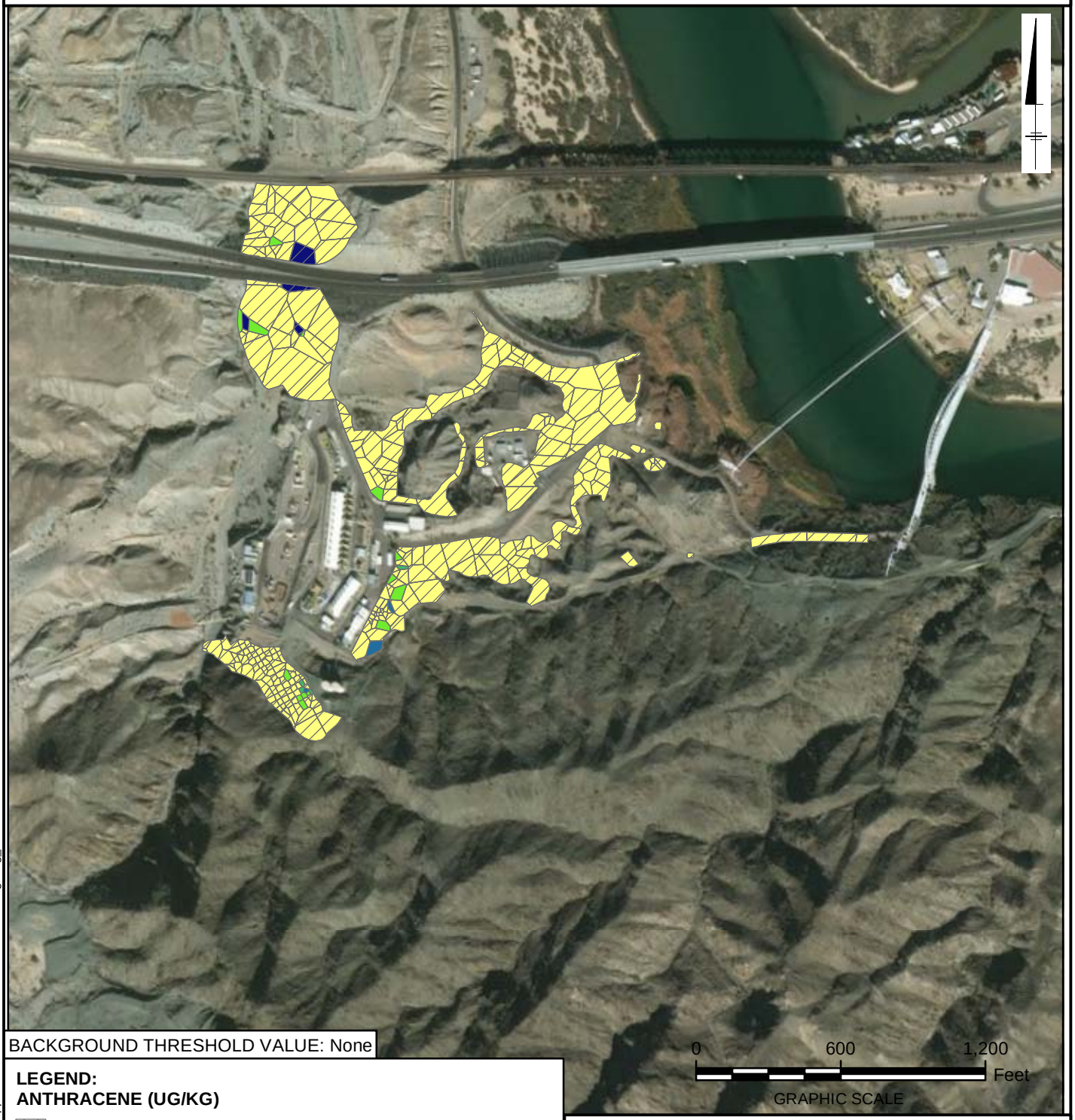
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.168

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 7.92
- ≥7.92 - 24.00
- ≥24.00 - 53.00
- ≥53.00 - 116.00
- ≥116.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

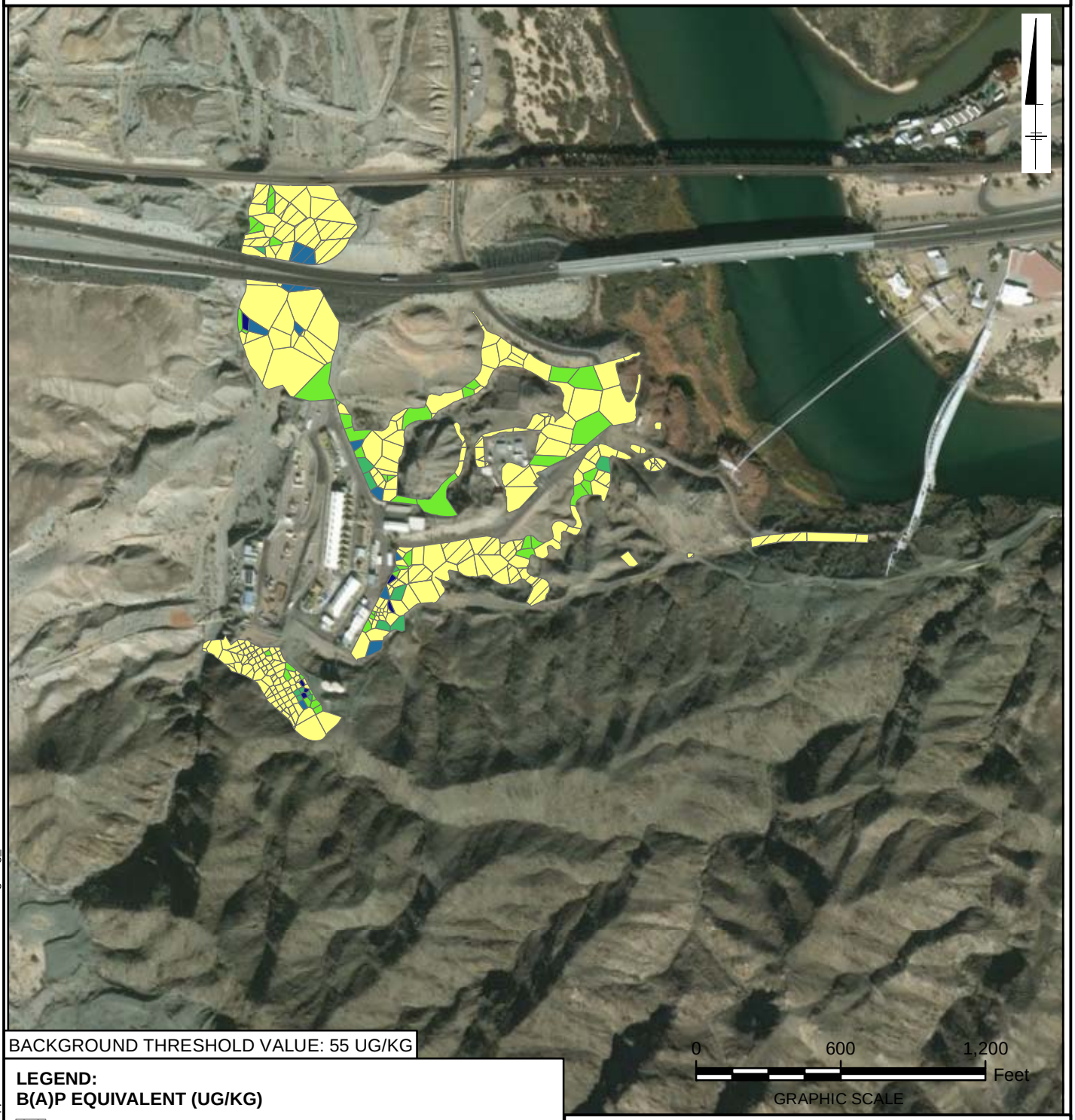
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.169

City: SYR Div/Group: IM/DV Created By: K. SINSABAUGH Last Saved By: ksinsabaugh
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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
B(A)P EQUIVALENT



BACKGROUND THRESHOLD VALUE: 55 UG/KG

LEGEND:
B(A)P EQUIVALENT (UG/KG)

- NOT DETECTED
- 5.80 - 47.50
- ≥47.50 - 140.00
- ≥140.00 - 300.00
- ≥300.00 - 611.00
- ≥611.00 - 1640.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

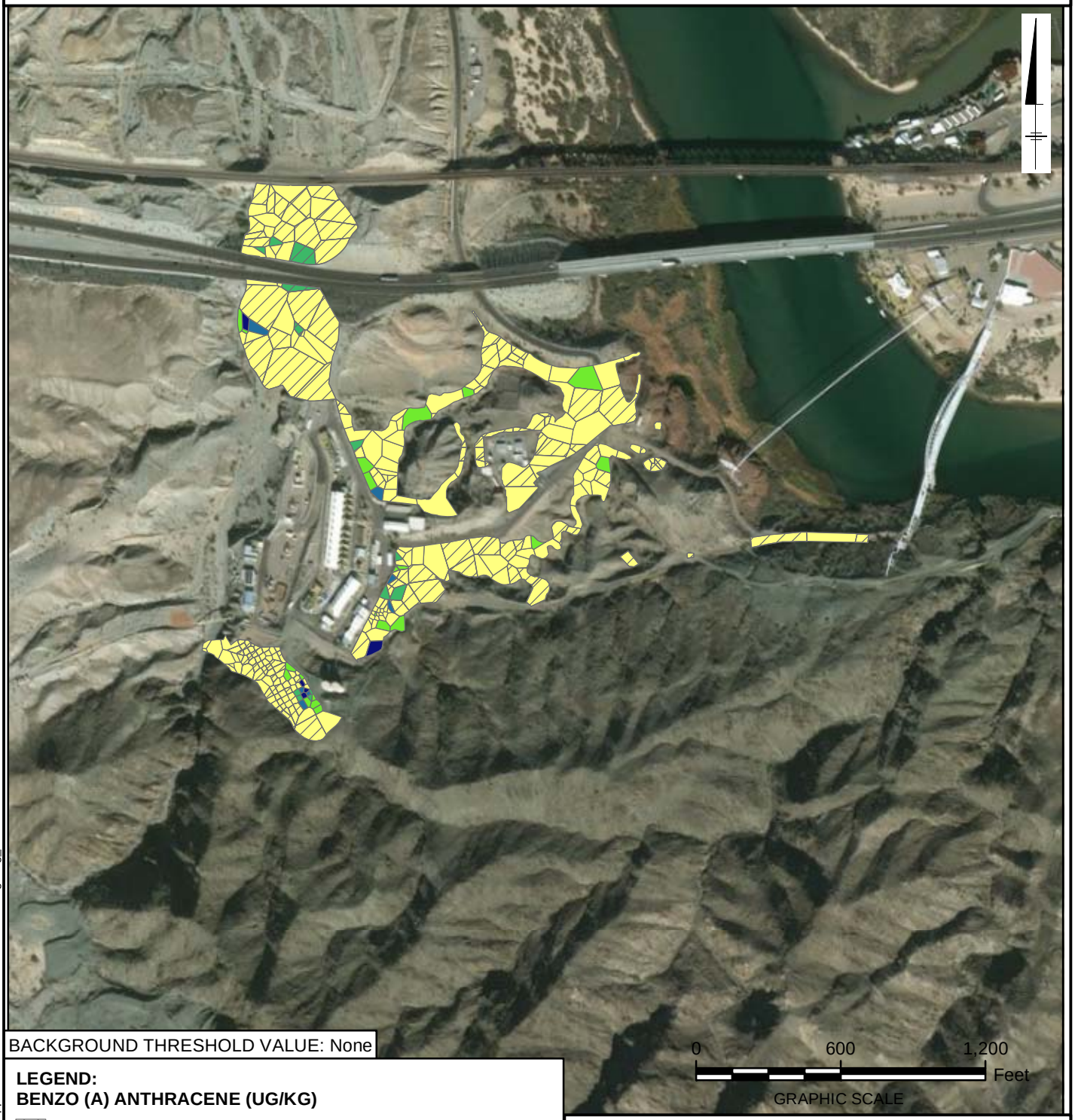
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.170

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
BENZO (A) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 48.00
- ≥48.00 - 130.00
- ≥130.00 - 289.00
- ≥289.00 - 560.00
- ≥560.00 - 1000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

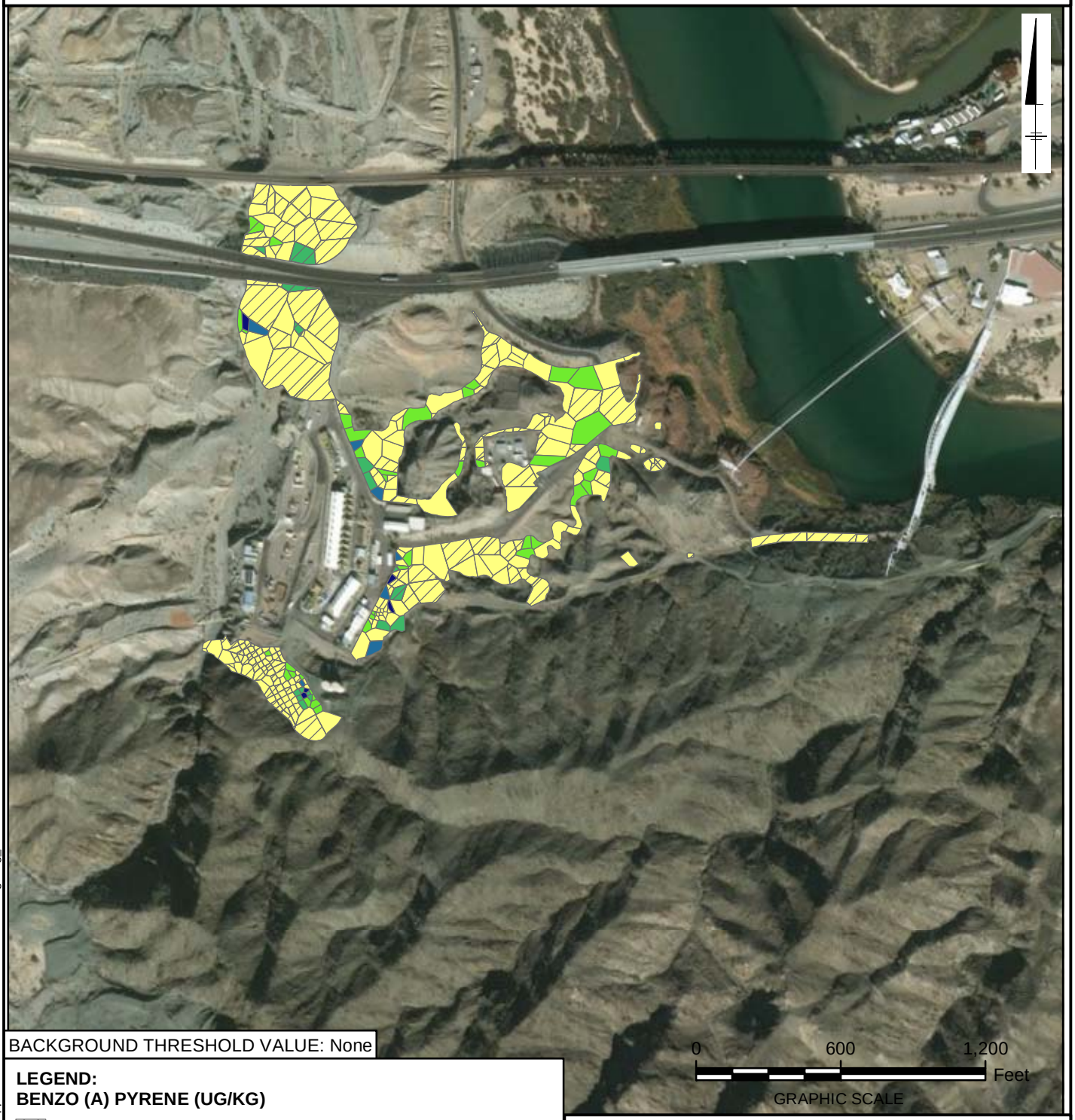
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.171

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
BENZO (A) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (A) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 27.00
- ≥27.00 - 82.00
- ≥82.00 - 191.00
- ≥191.00 - 550.00
- ≥550.00 - 920.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

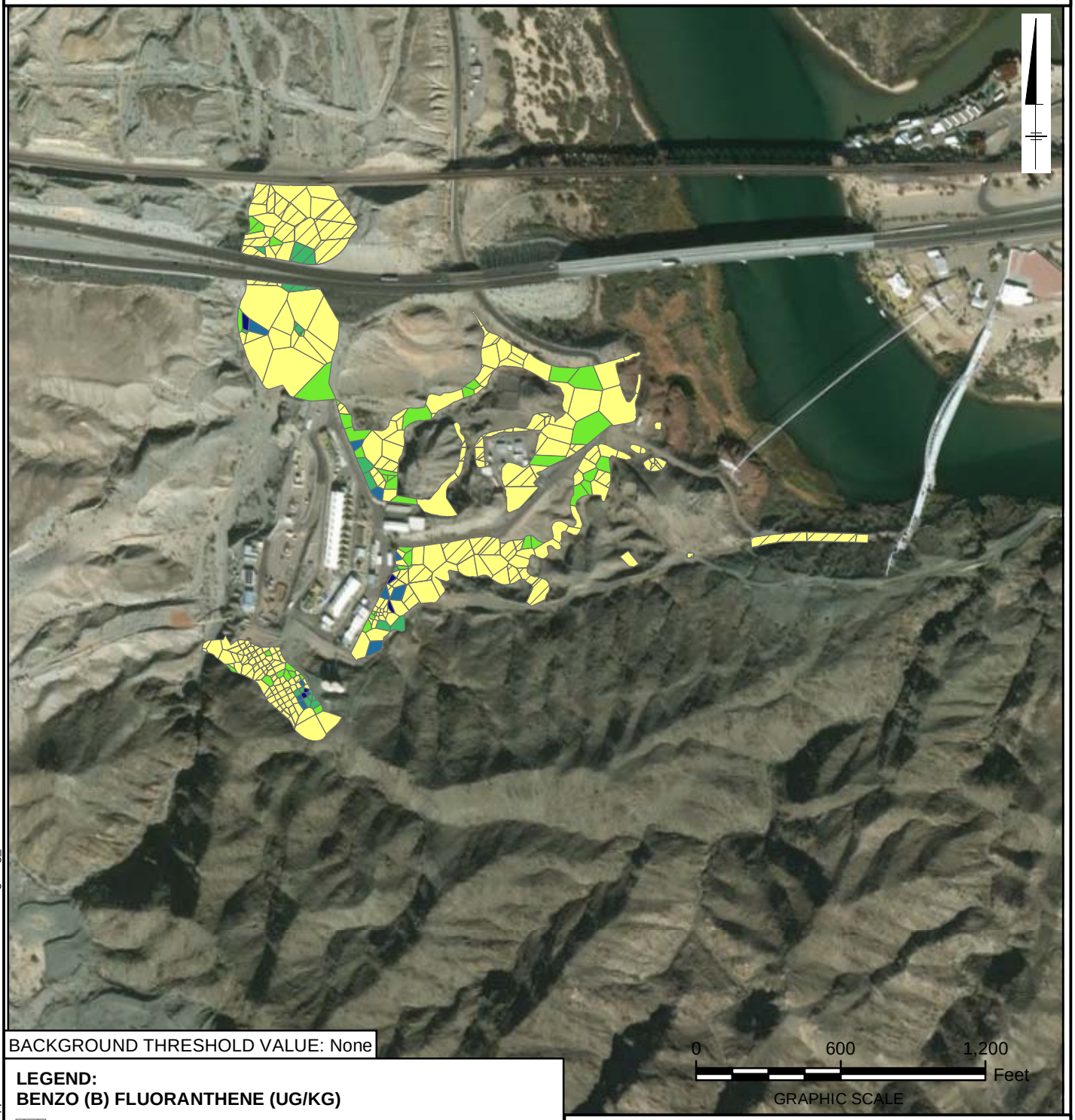
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.172

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
BENZO (B) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (B) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 41.00
- ≥41.00 - 132.00
- ≥132.00 - 319.00
- ≥319.00 - 860.00
- ≥860.00 - 3000.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

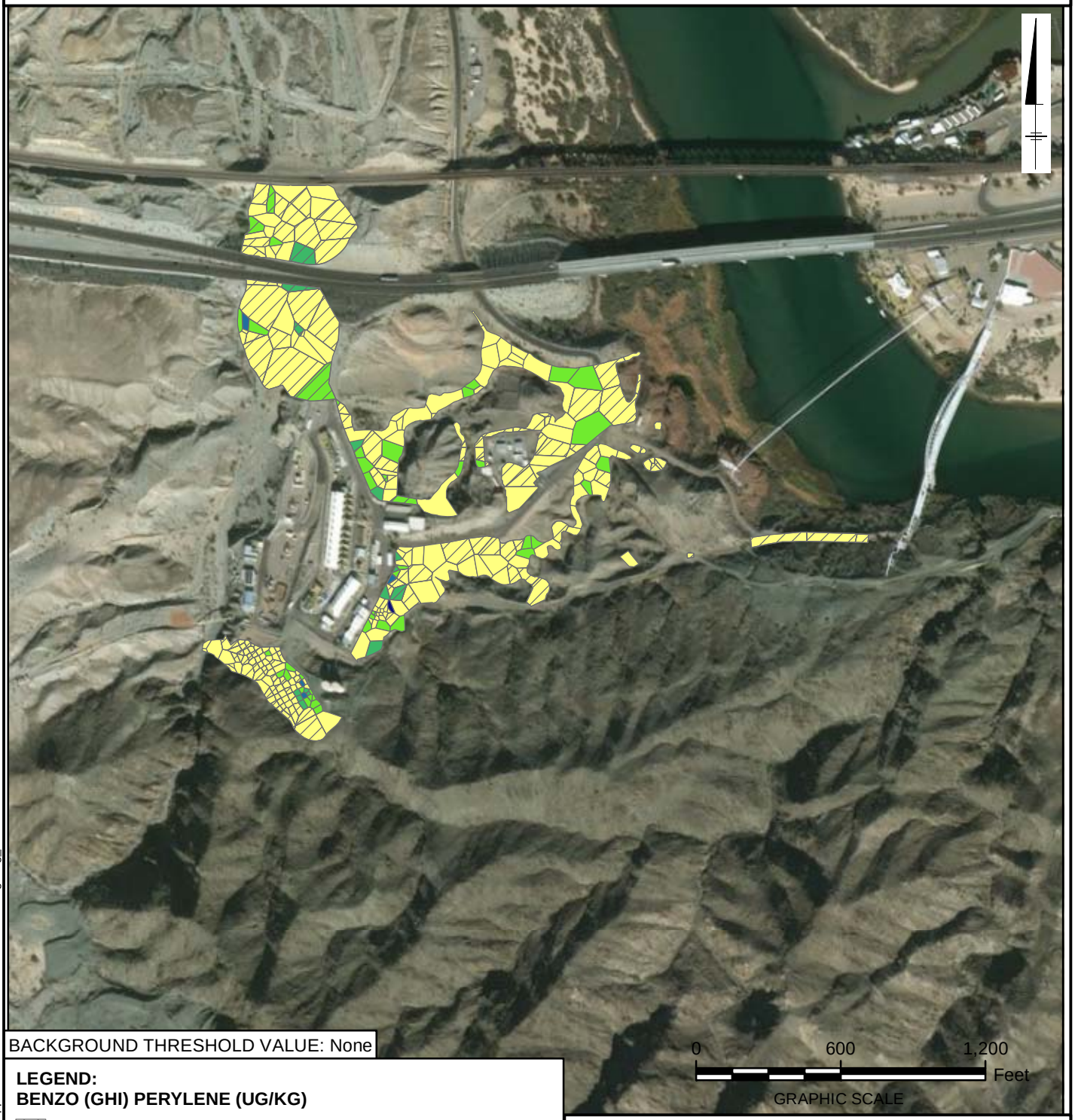
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.173

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
BENZO (GHI) PERYLENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (GHI) PERYLENE (UG/KG)

- NOT DETECTED
- 2.50 - 23.70
- ≥23.70 - 87.10
- ≥87.10 - 190.00
- ≥190.00 - 550.00
- ≥550.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

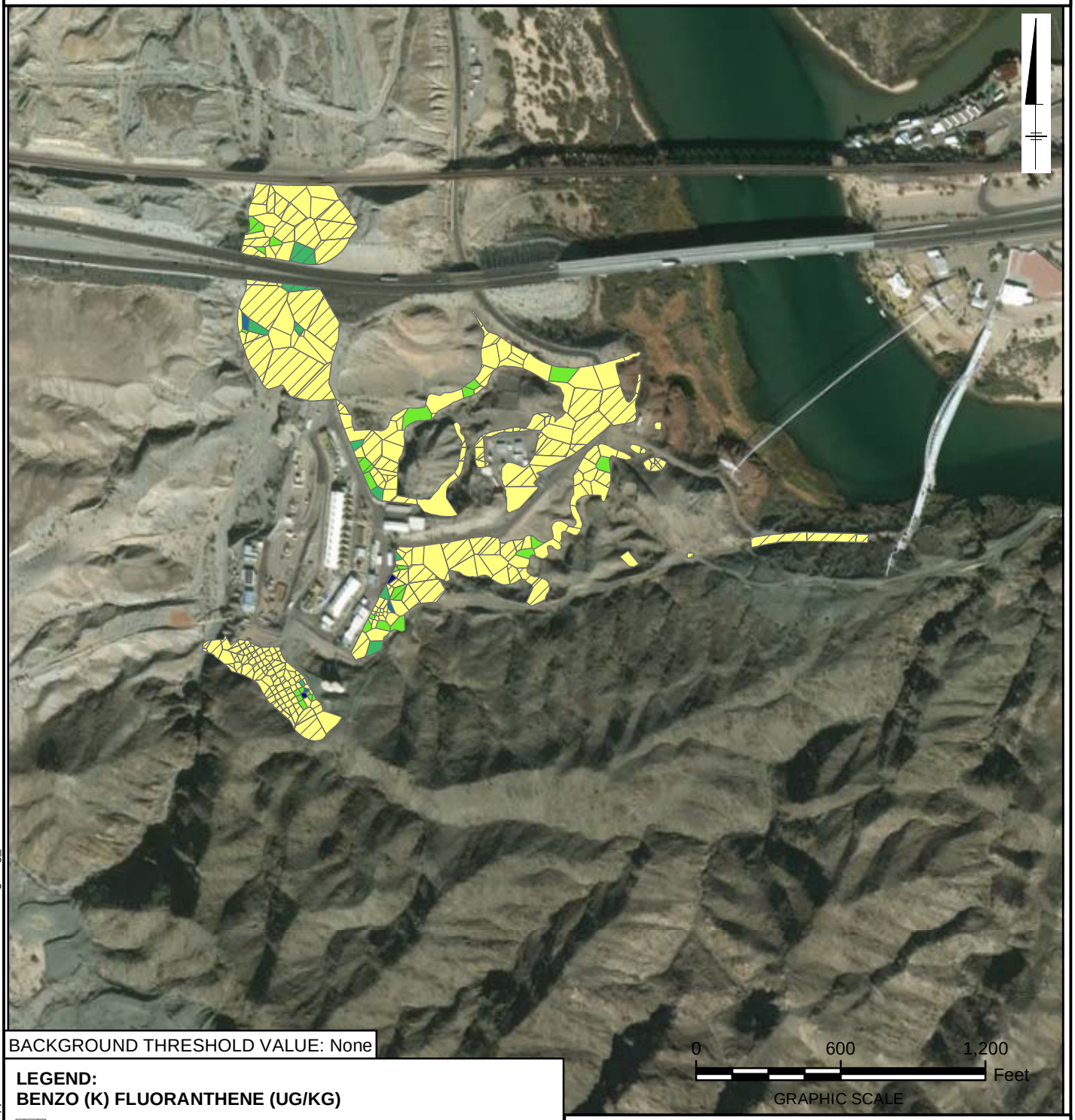
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.174

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
BENZO (K) FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
BENZO (K) FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 39.00
- ≥39.00 - 129.00
- ≥129.00 - 282.00
- ≥282.00 - 580.00
- ≥580.00 - 1400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

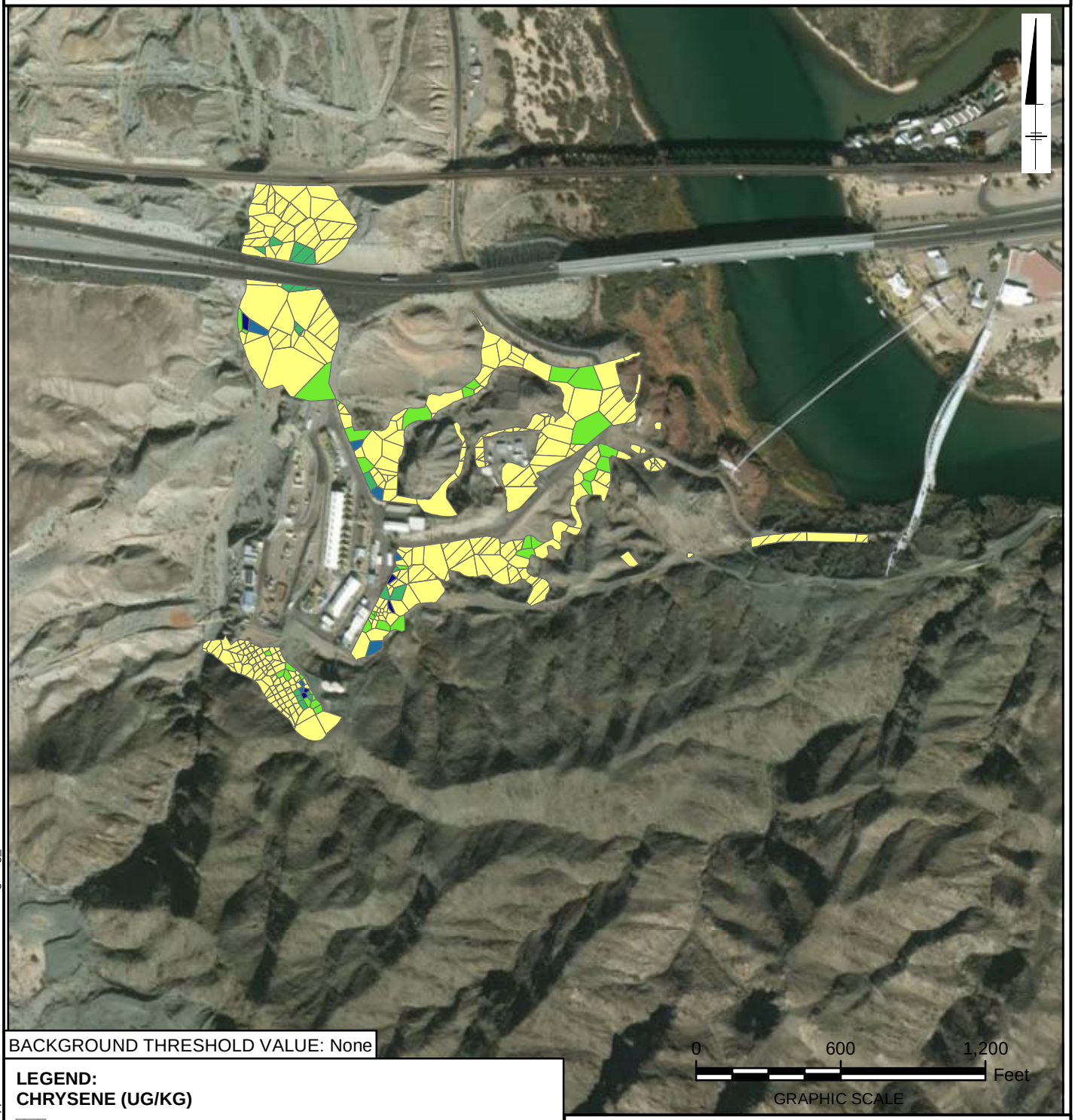
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.175

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
CHRYSENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
CHRYSENE (UG/KG)

- NOT DETECTED
- 2.50 - 43.20
- ≥43.20 - 129.00
- ≥129.00 - 313.00
- ≥313.00 - 630.00
- ≥630.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

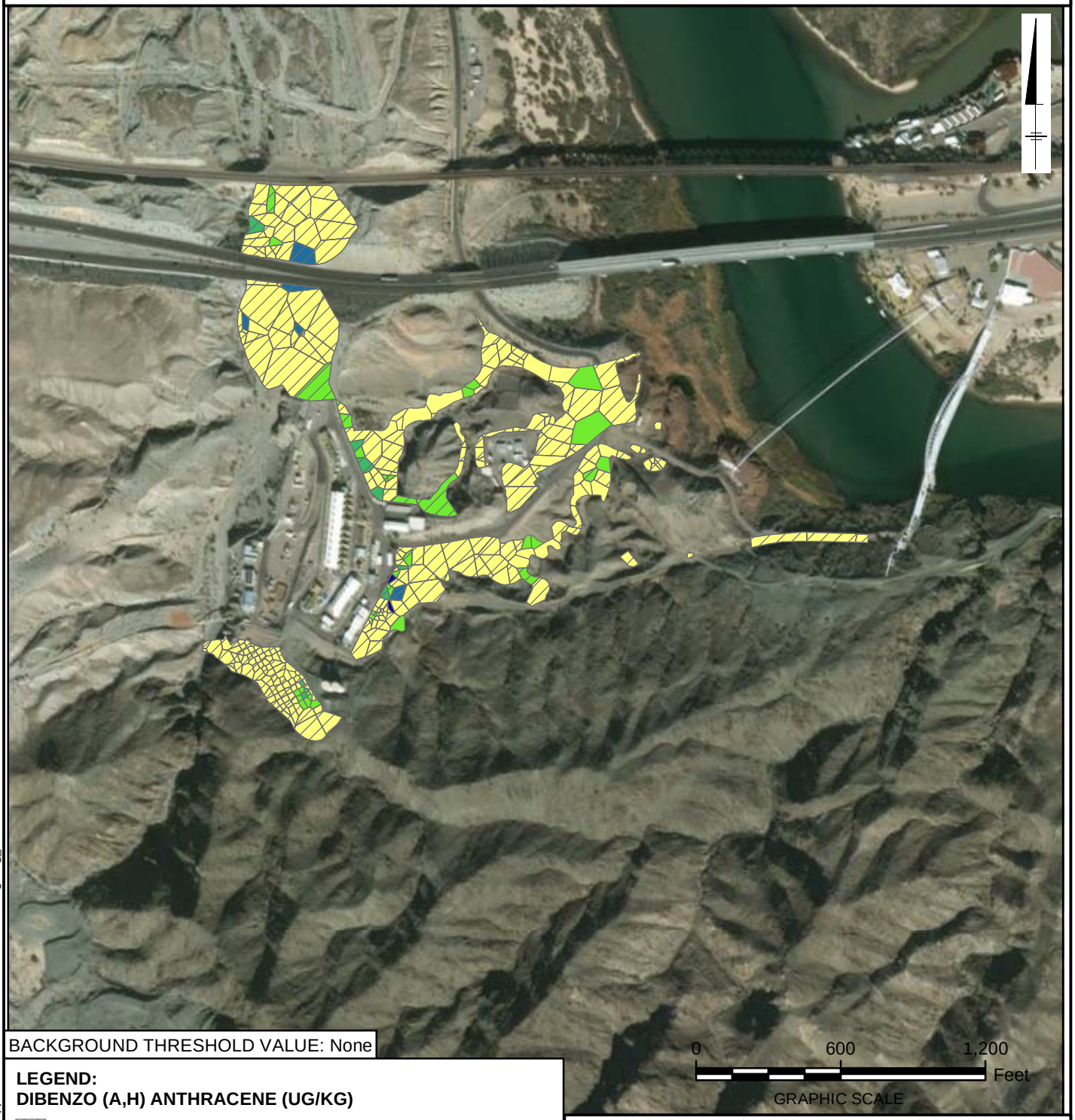
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.176

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
DIBENZO (A,H) ANTHRACENE



BACKGROUND THRESHOLD VALUE: None

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
DIBENZO (A,H) ANTHRACENE (UG/KG)

- NOT DETECTED
- 2.50 - 11.80
- ≥11.80 - 37.00
- ≥37.00 - 93.00
- ≥93.00 - 165.00
- ≥165.00 - 382.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

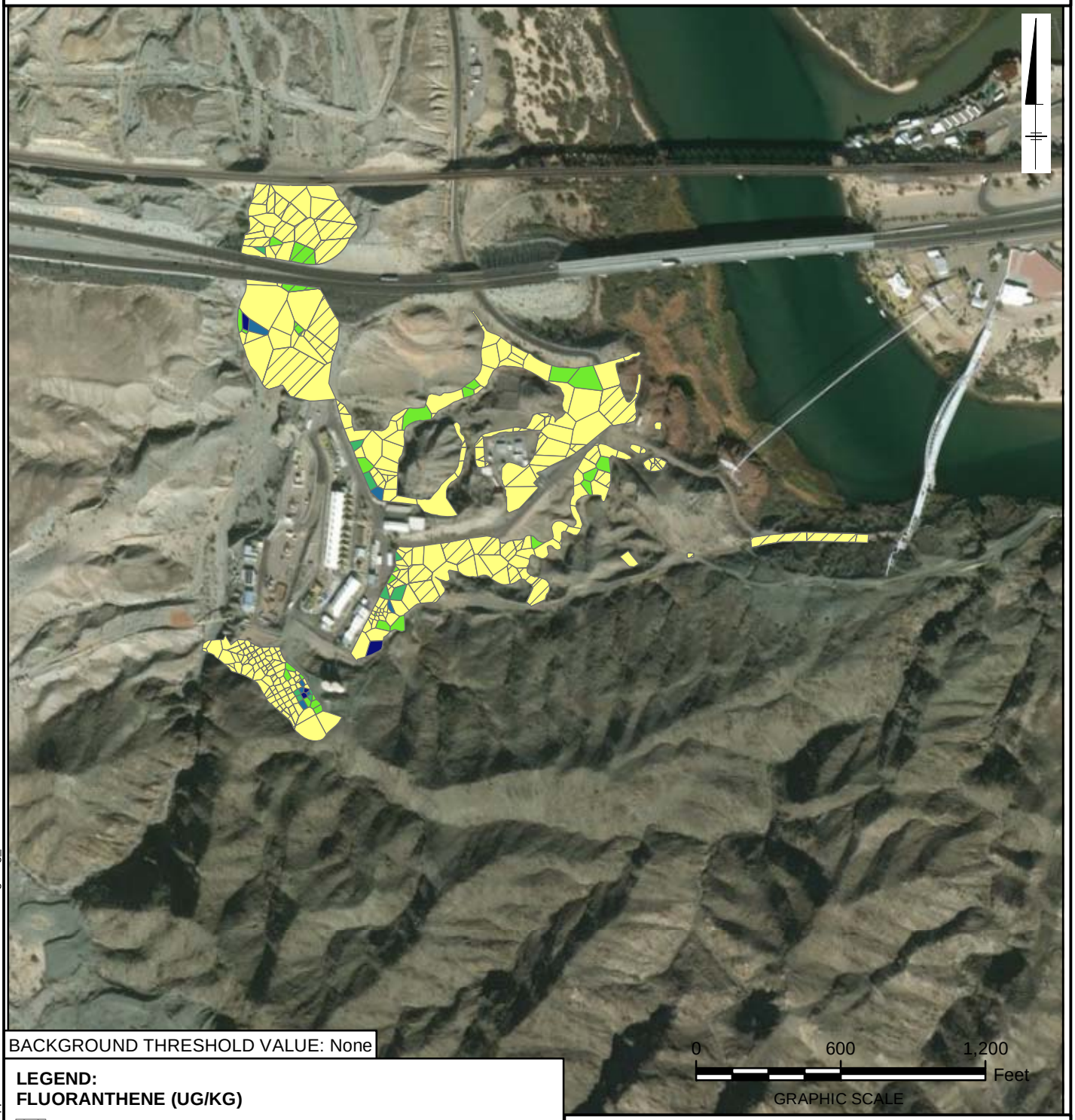
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.177

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
FLUORANTHENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORANTHENE (UG/KG)

- NOT DETECTED
- 2.50 - 100.00
- ≥100.00 - 315.00
- ≥315.00 - 600.00
- ≥600.00 - 1200.00
- ≥1200.00 - 2400.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

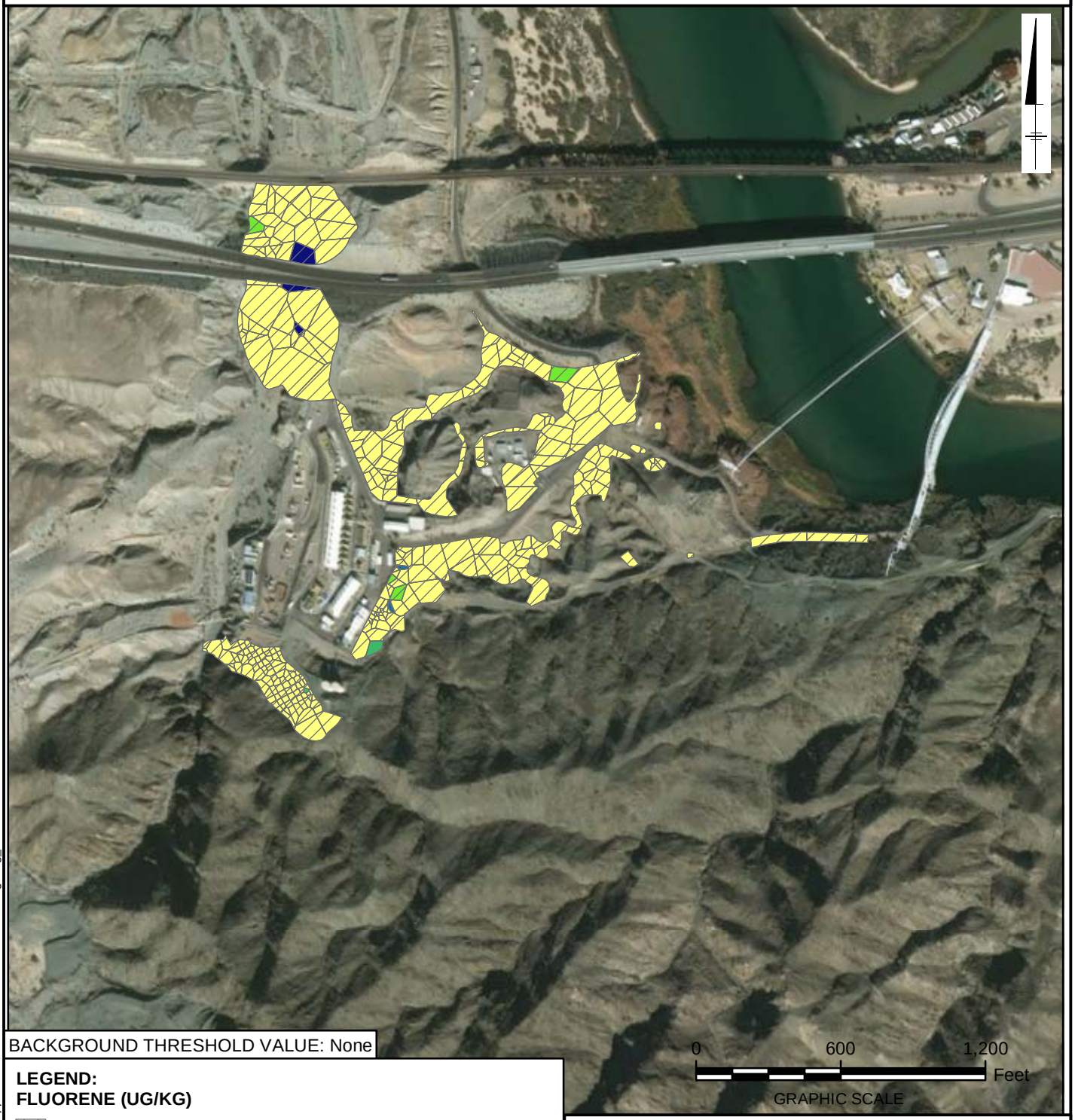
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.178

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
FLUORENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
FLUORENE (UG/KG)

- NOT DETECTED
- 2.50 - 4.54
- ≥4.54 - 10.50
- ≥10.50 - 17.20
- ≥17.20 - 53.00
- ≥53.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

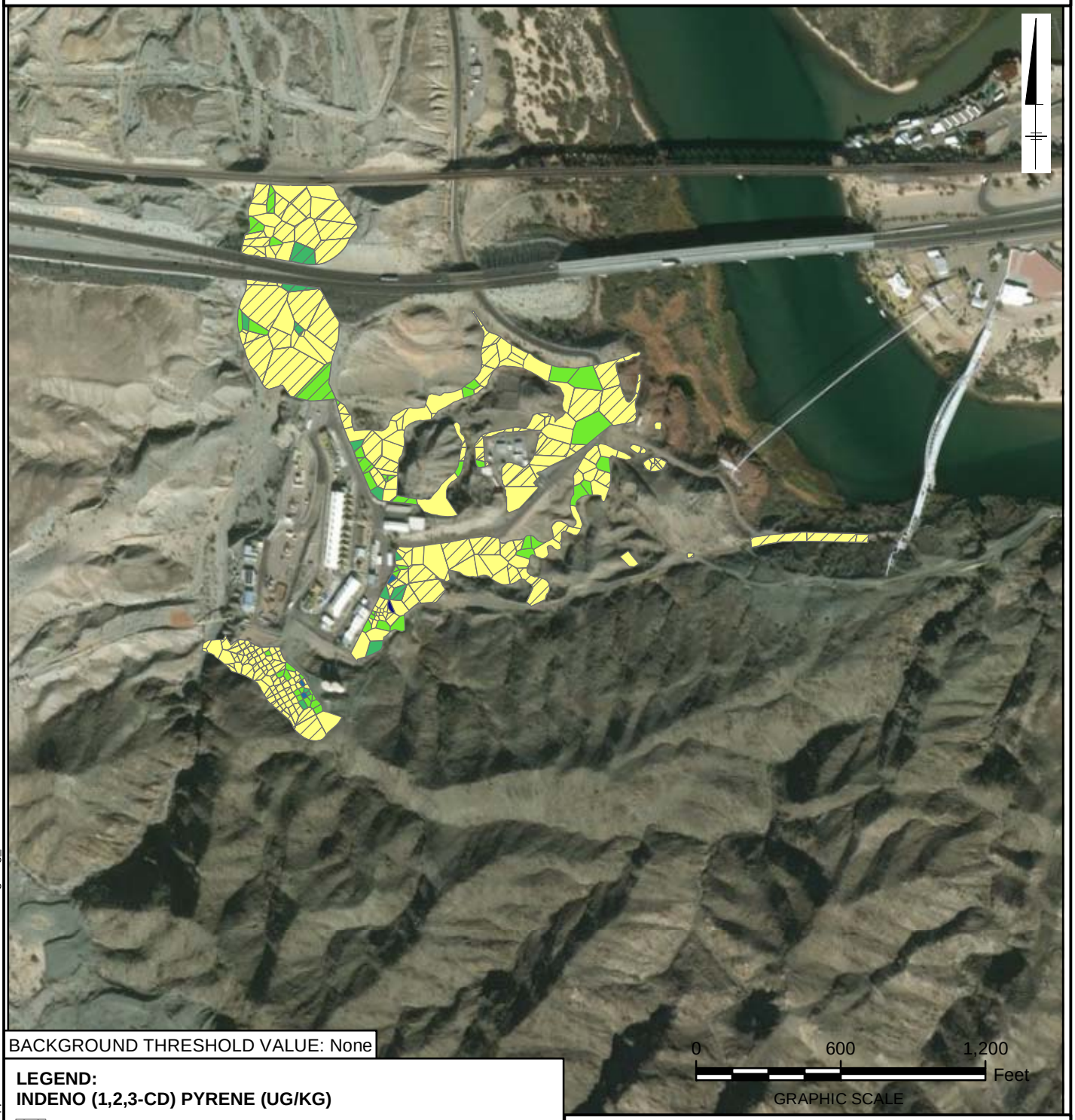
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.179

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
INDENO (1,2,3-CD) PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
INDENO (1,2,3-CD) PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 22.30
- ≥22.30 - 97.00
- ≥97.00 - 248.00
- ≥248.00 - 440.00
- ≥440.00 - 1100.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

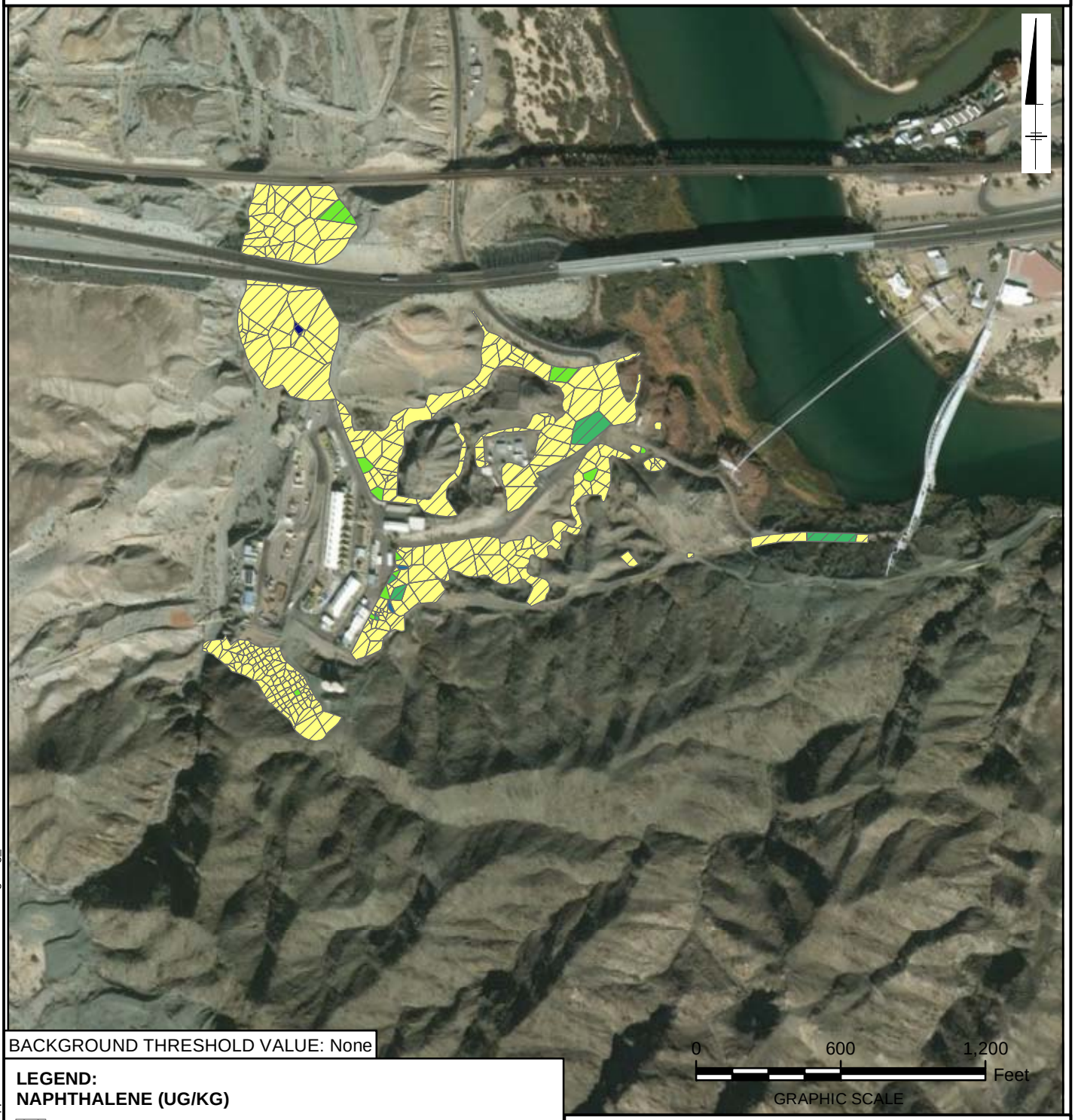
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.1.80

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
NAPHTHALENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
NAPHTHALENE (UG/KG)

- NOT DETECTED
- 2.10 - 3.34
- ≥3.34 - 6.50
- ≥6.50 - 15.80
- ≥15.80 - 53.00
- ≥53.00 - 165.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

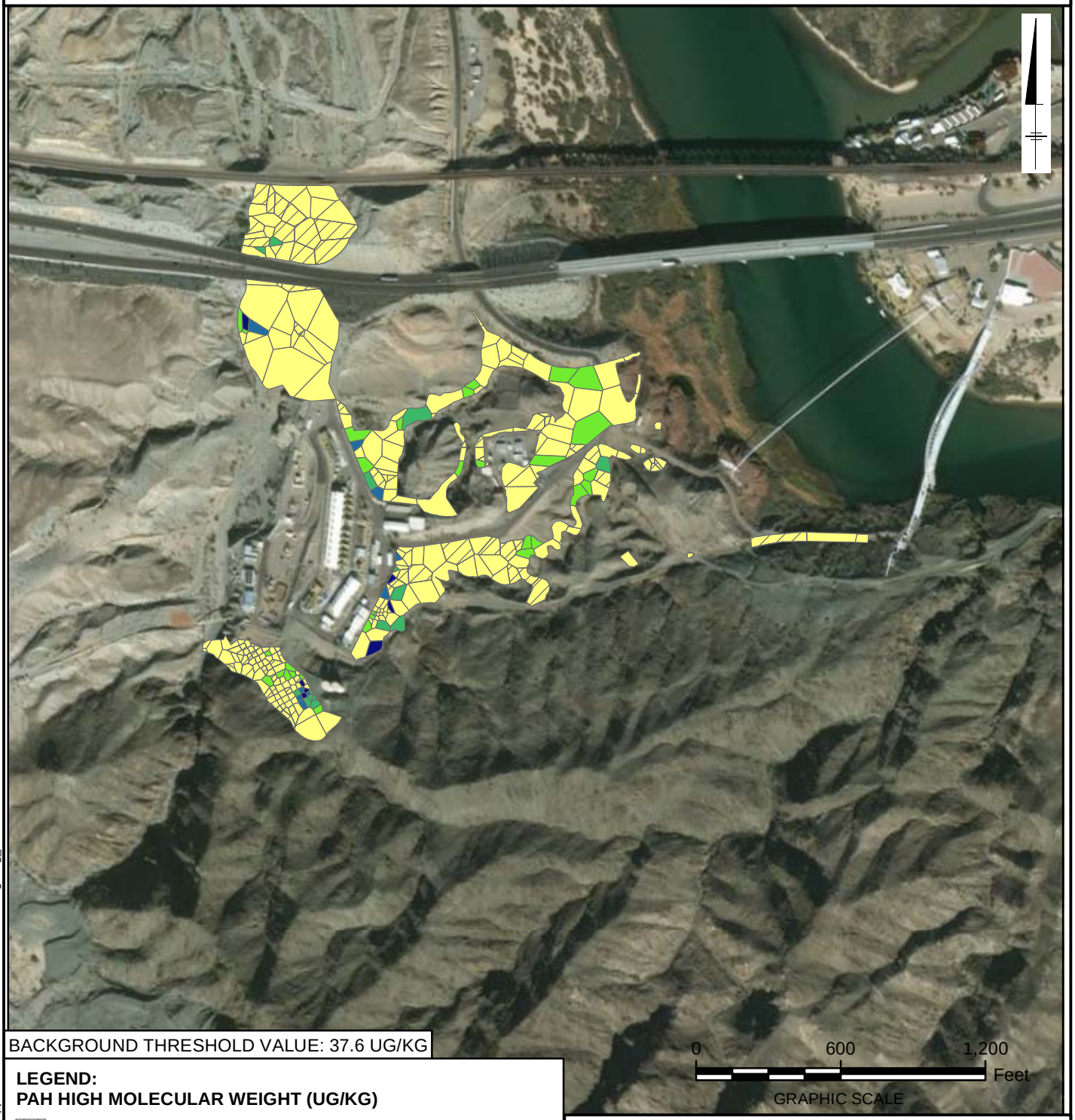
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.181

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
PAH HIGH MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 37.6 UG/KG

LEGEND:
PAH HIGH MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 288.00
- ≥288.00 - 939.00
- ≥939.00 - 1990.00
- ≥1990.00 - 4320.00
- ≥4320.00 - 10200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

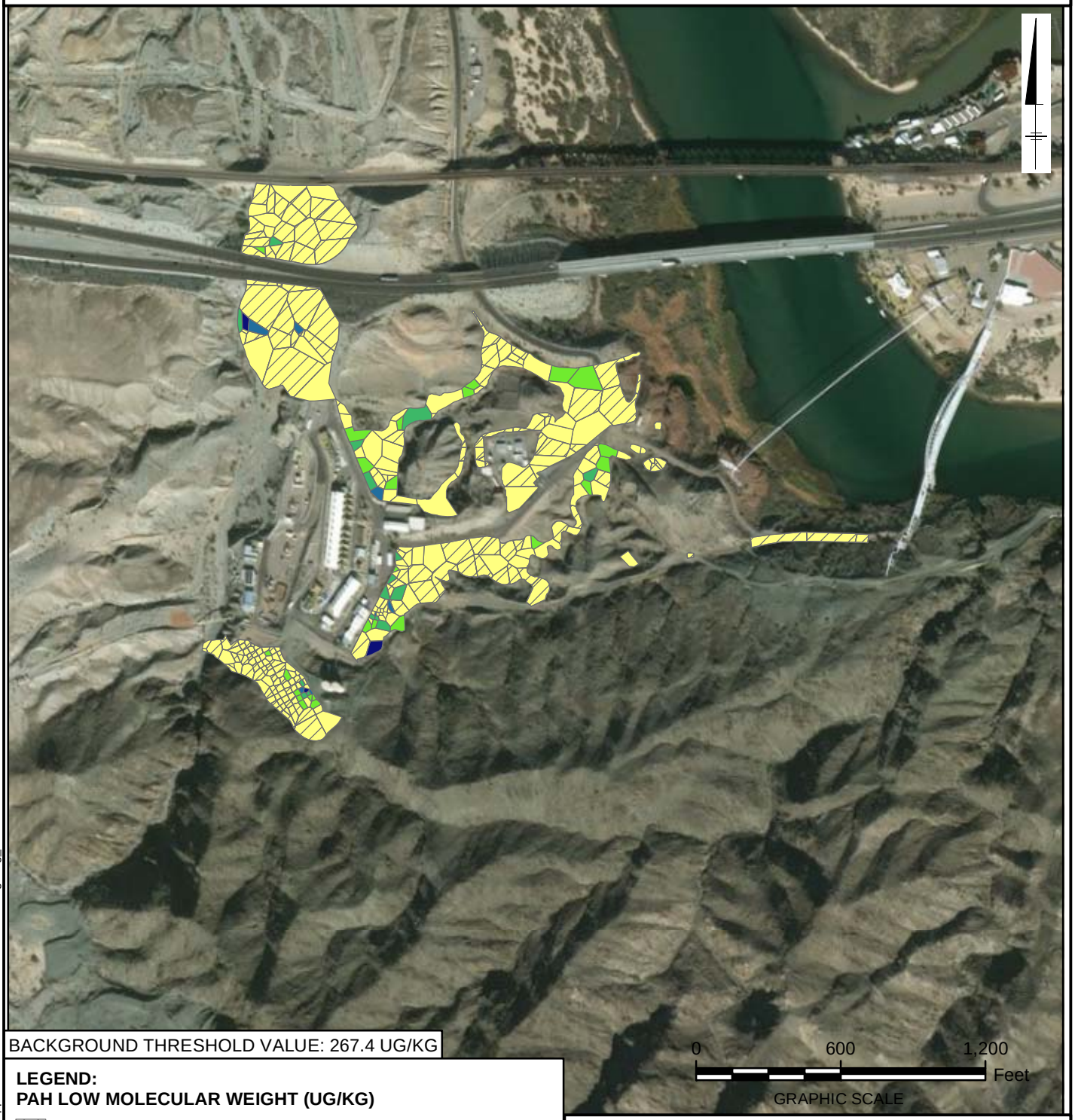
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.182

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
PAH LOW MOLECULAR WEIGHT



BACKGROUND THRESHOLD VALUE: 267.4 UG/KG

0 600 1,200 Feet

GRAPHIC SCALE

LEGEND:
PAH LOW MOLECULAR WEIGHT (UG/KG)

- NOT DETECTED
- 0.00 - 23.00
- ≥23.00 - 84.00
- ≥84.00 - 231.00
- ≥231.00 - 494.00
- ≥494.00 - 1340.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

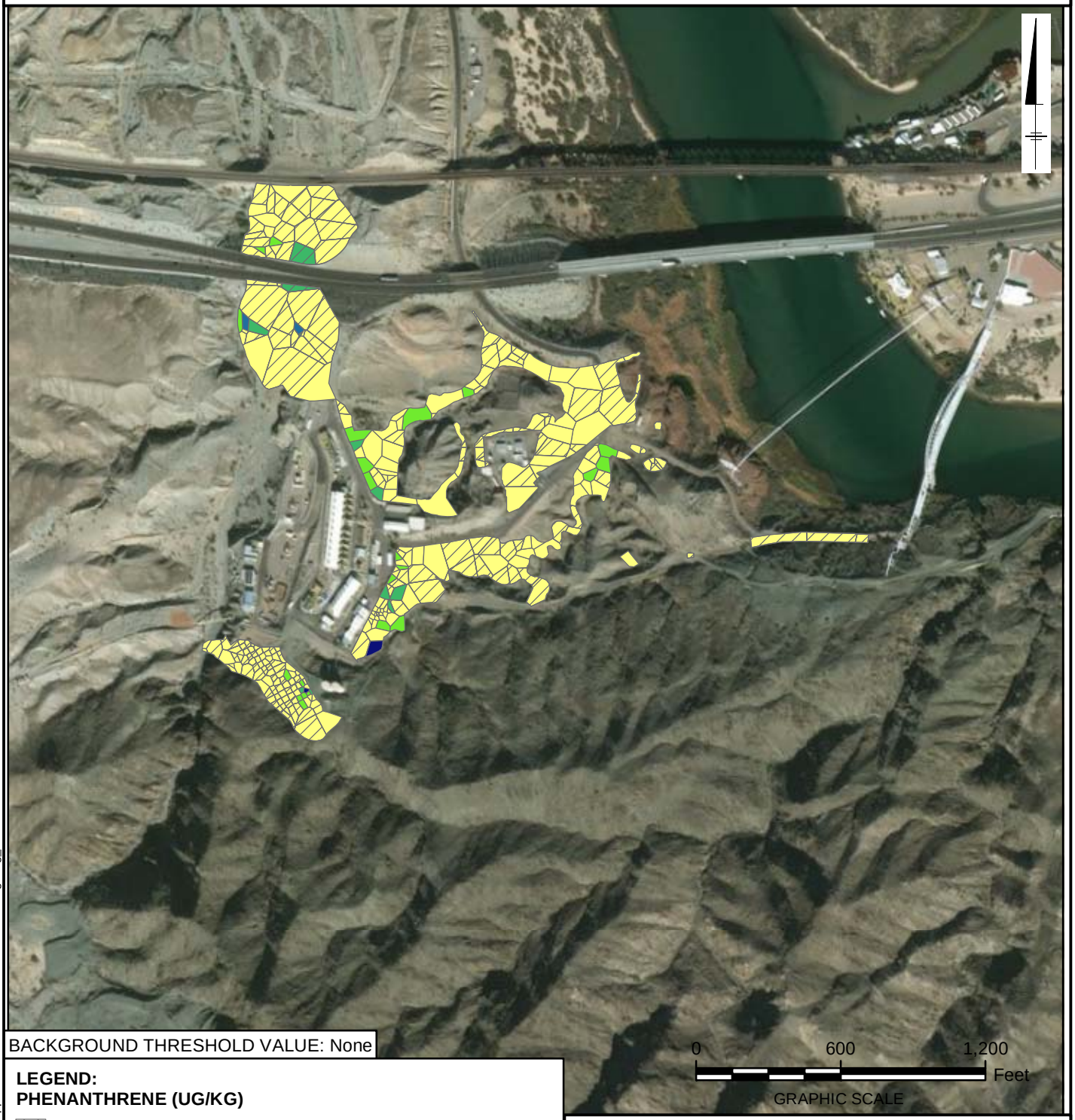
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.183

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
PHENANTHRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PHENANTHRENE (UG/KG)

- NOT DETECTED
- 2.50 - 44.40
- ≥44.40 - 140.00
- ≥140.00 - 316.00
- ≥316.00 - 631.00
- ≥631.00 - 1200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

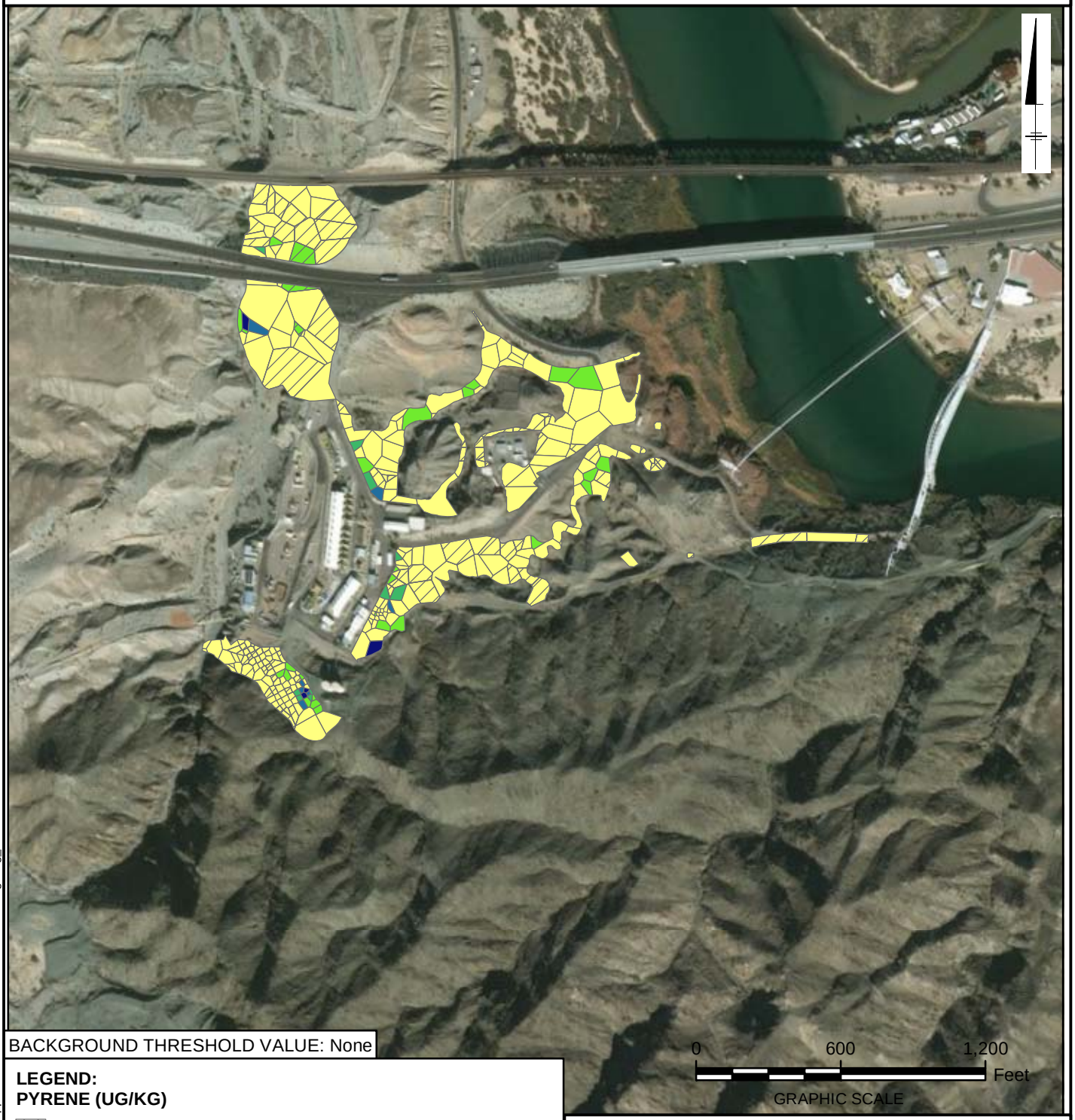
THIESSEN POLYGONS FOR AREA WEIGHTING

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSXBCW-A3.184

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
PYRENE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
PYRENE (UG/KG)

- NOT DETECTED
- 2.50 - 84.70
- ≥84.70 - 279.00
- ≥279.00 - 550.00
- ≥550.00 - 1100.00
- ≥1100.00 - 2200.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

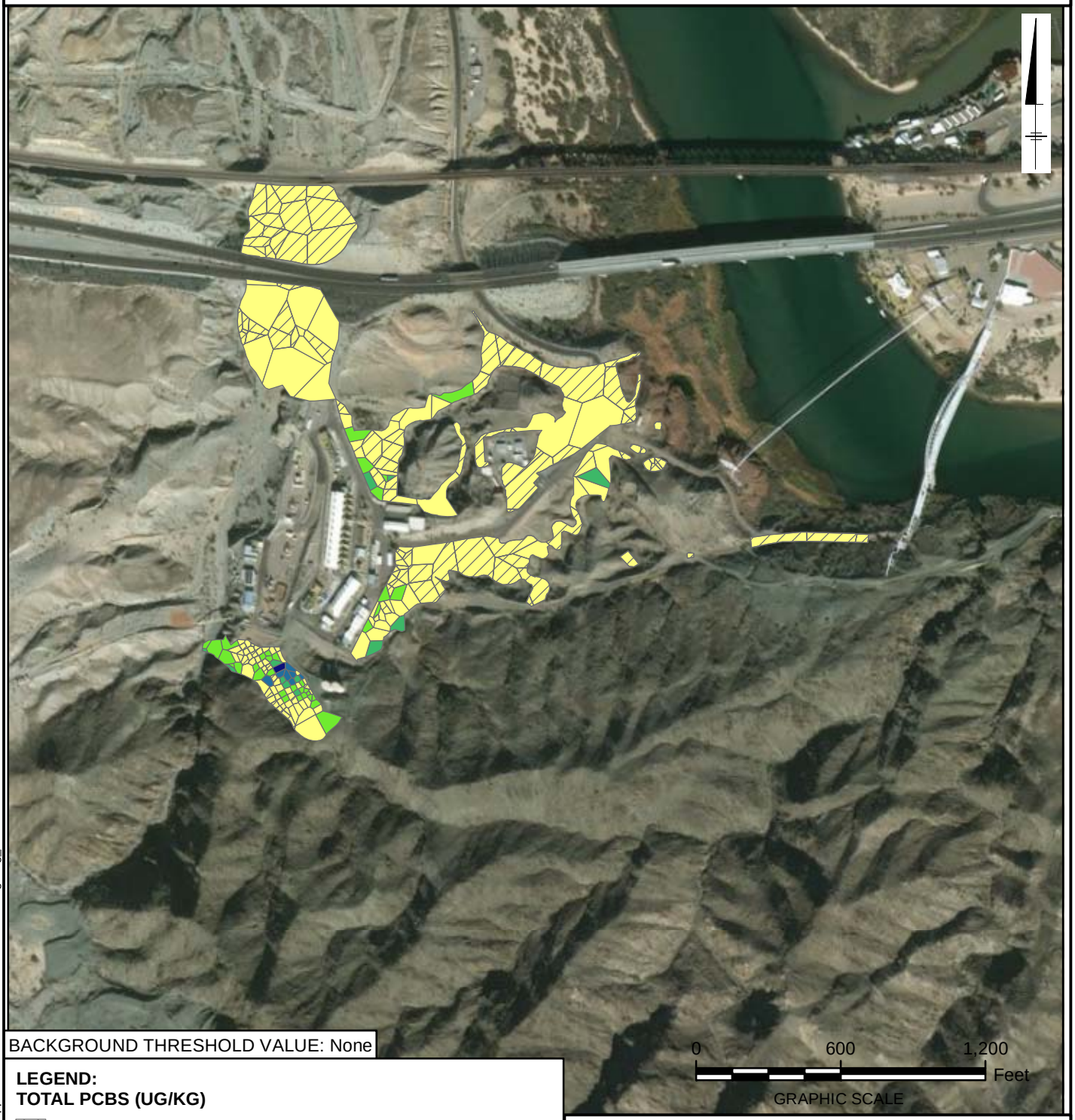
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.185

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
TOTAL PCBS



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TOTAL PCBS (UG/KG)

- NOT DETECTED
- 0.00 - 126.00
- ≥126.00 - 439.00
- ≥439.00 - 1470.00
- ≥1470.00 - 3160.00
- ≥3160.00 - 6280.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

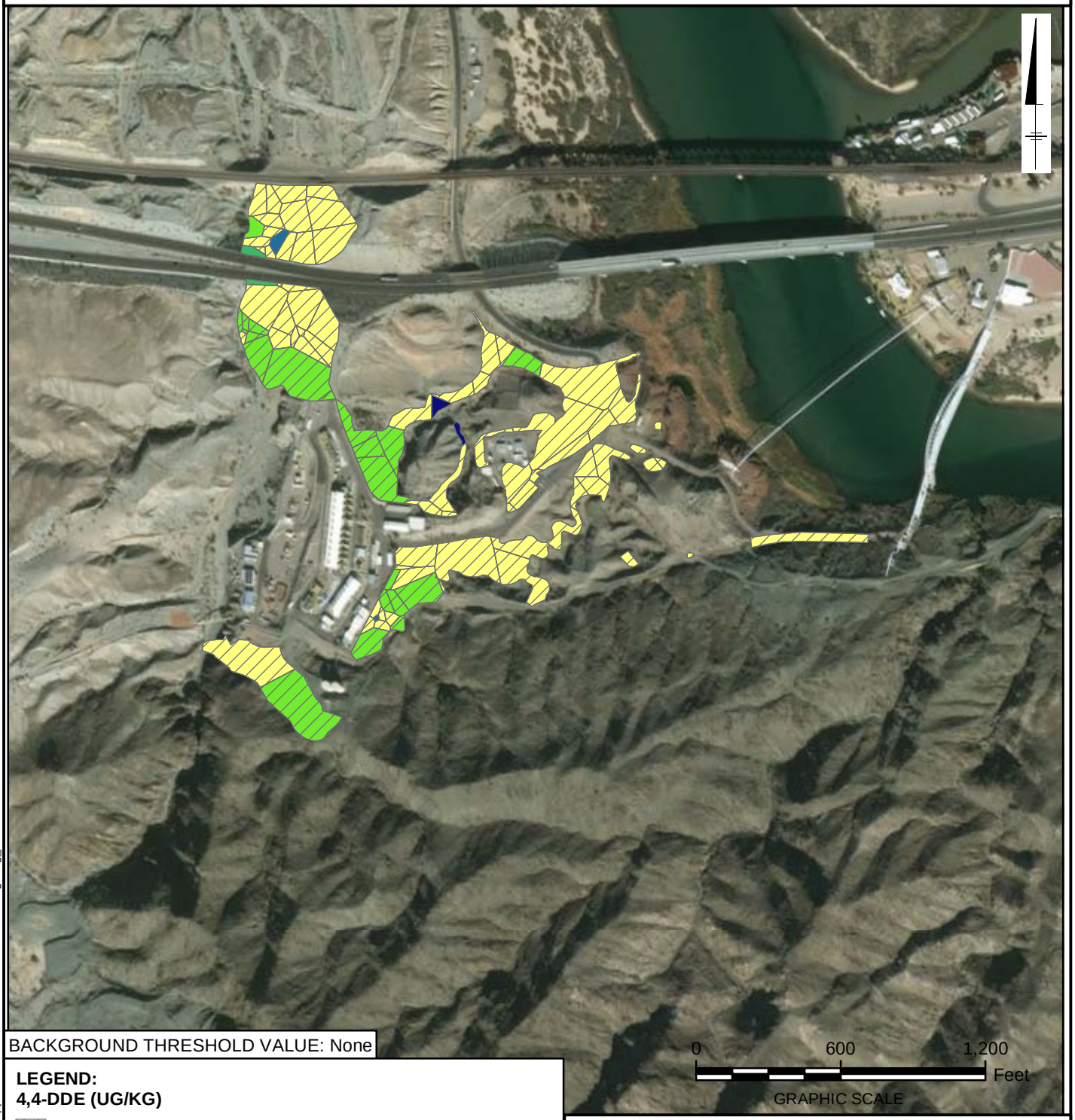
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.186

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
4,4-DDE



BACKGROUND THRESHOLD VALUE: None

LEGEND:
4,4-DDE (UG/KG)

- NOT DETECTED
- 1.00 - 1.03
- ≥1.03 - 1.34
- ≥1.34 - 2.06
- ≥2.06 - 3.20
- ≥3.20 - 6.10

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

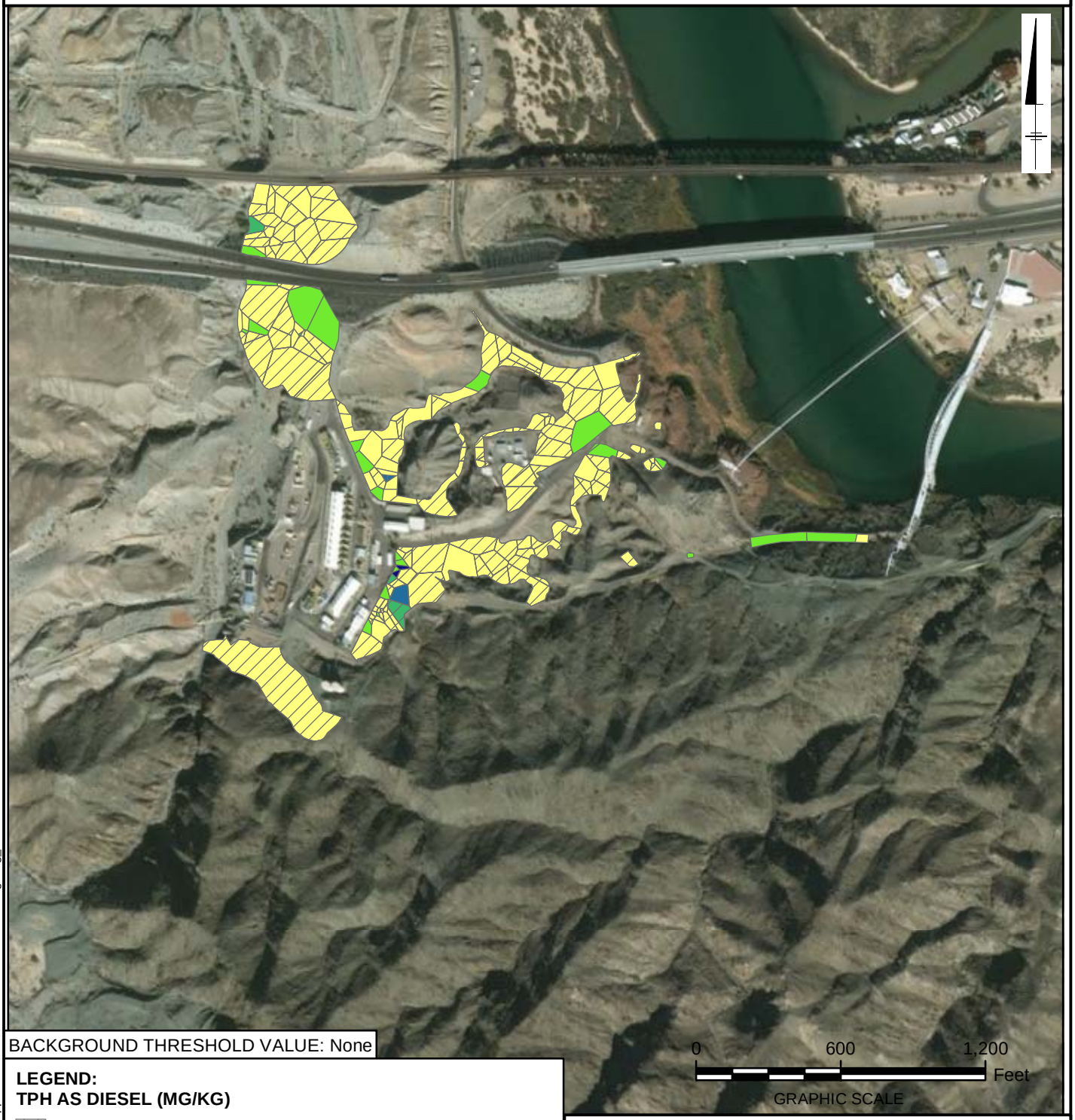
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.187

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
TPH AS DIESEL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS DIESEL (MG/KG)

- NOT DETECTED
- 5.00 - 21.80
- ≥21.80 - 77.00
- ≥77.00 - 213.00
- ≥213.00 - 570.00
- ≥570.00 - 804.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

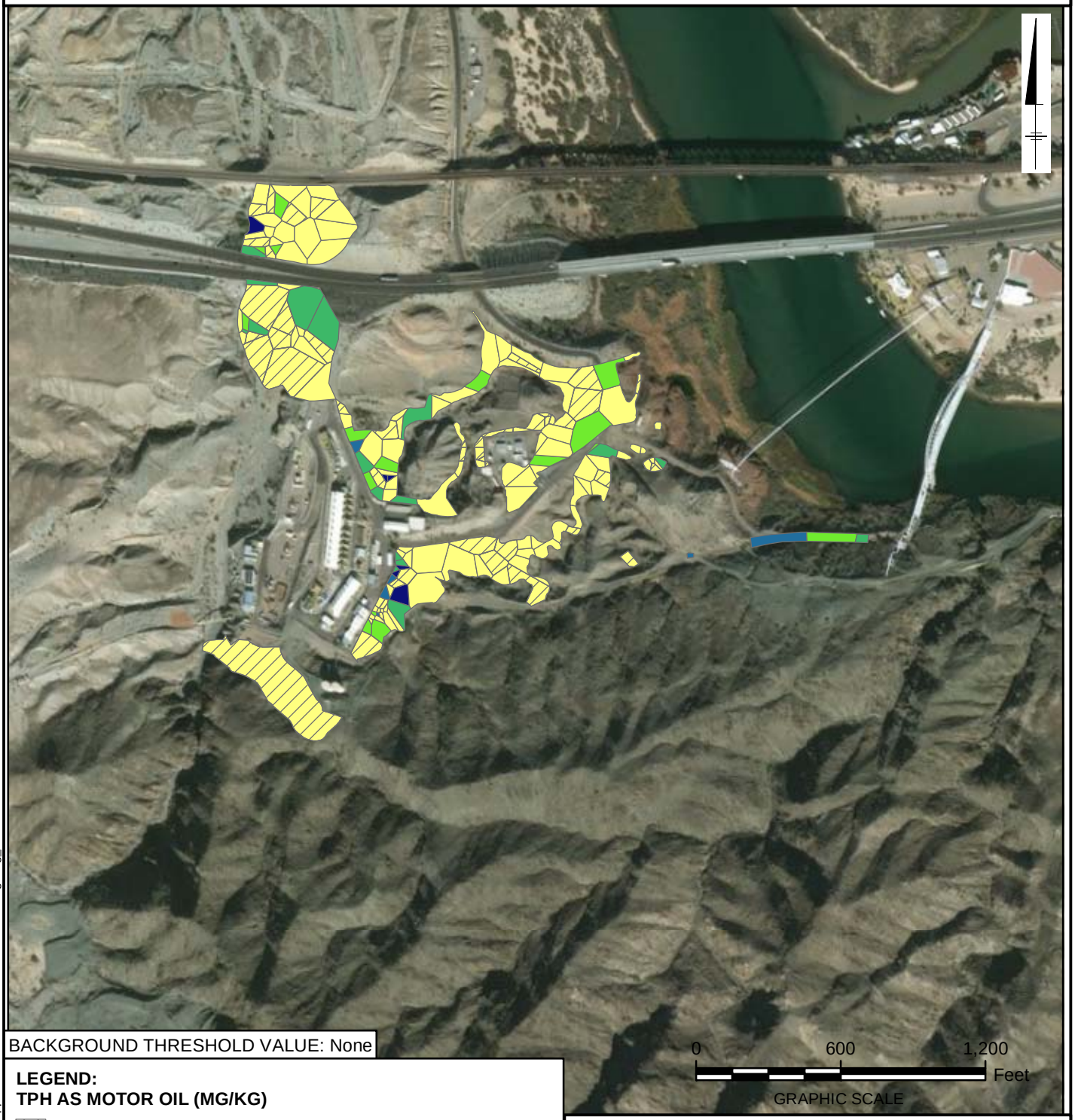
THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.188

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OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW
0 - 10 FEET BELOW GROUND SURFACE
TPH AS MOTOR OIL



BACKGROUND THRESHOLD VALUE: None

LEGEND:
TPH AS MOTOR OIL (MG/KG)

- NOT DETECTED
- 5.00 - 47.70
- ≥47.70 - 126.00
- ≥126.00 - 311.00
- ≥311.00 - 580.00
- ≥580.00 - 1790.00

SAMPLE LOCATIONS FOR ALL COPCS/COPECS AND ALL EXPOSURE DEPTHS EVALUATED FOR THIS EXPOSURE AREA ARE PRESENTED IN FIGURE OCSXBCW-1.1.
DEPTH-WEIGHTED CONCENTRATIONS ARE DISPLAYED FOR EACH LOCATION.
REPORTING LIMITS USED FOR DISPLAY COLOR OF NON-DETECT RESULTS.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

THIESSEN POLYGONS FOR AREA WEIGHTING

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FIGURE
OCSXBCW-A3.1.89

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ATTACHMENT B

Dose and Risk Calculations for Ecological Receptors at OCS Excluding BCW Using Depth-Weighted EPCs and Area-Weighted EPCs

Attachment OCSXBCW-B1
Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at Areas Outside The Compressor Station Excluding Bat Cave Wash Using Depth-Weighted EPCs

Tables

OCSxBCW-B1.1a	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B1.1b	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B1.1c	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper
OCSxBCW-B1.1d	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B1.1e	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCSxBCW-B1.1f	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B1.1g	Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User
OCSxBCW-B1.2a	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B1.2b	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B1.2c	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper
OCSxBCW-B1.2d	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B1.2e	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCSxBCW-B1.2f	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B1.2g	Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User
OCSxBCW-B1.3a	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B1.3b	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B1.3c	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User- Camper
OCSxBCW-B1.3d	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B1.3e	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCSxBCW-B1.3f	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B1.3g	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User
OCSxBCW-B1.4a	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B1.4b	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B1.4c	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper
OCSxBCW-B1.4d	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B1.4e	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter
OCSxBCW-B1.4f	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B1.4g	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User
OCSxBCW-B1.5a	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B1.5b	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Attachment OCSXBCW-B1
Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at Areas Outside The Compressor Station Excluding Bat Cave Wash Using Depth-Weighted EPCs

Tables (cont.)

OCSxBCW-B1.5c	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)
OCSxBCW-B1.5d	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)
OCSxBCW-B1.5e	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Hiker)
OCSxBCW-B1.5f	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Hiker)
OCSxBCW-B1.5g	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User (Hunter)
OCSxBCW-B1.5h	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)
OCSxBCW-B1.5i	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Table OCSxBCW-B1.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	2.6E-08	NV	NA	3.2E-07	1.7E-08	NV	NA	2.1E-07	9.2E-09	NV	NA	1.1E-07	6.0E-09	NV	NA	7.4E-08
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	6.1E-09	ND	ND	5.7E-12	6.1E-09	1.0E-10	7.1E-11	5.2E-12	6.1E-09	9.3E-11	6.4E-11	3.9E-12	6.1E-09	7.1E-11	4.9E-11
Isophorone	NC	NC	2.6E-08	1.8E-08	NC	NC	2.7E-07	1.8E-07	NC	NC	2.7E-07	1.8E-07	NC	NC	1.6E-07	1.1E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	3.3E-10	NV	6.0E-09	4.1E-09	2.5E-10	NV	4.6E-09	3.1E-09	3.8E-10	NV	6.9E-09	4.7E-09	2.6E-10	NV	4.8E-09	3.3E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.2E-07	8.3E-08
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	2.4E-12	1.9E-10	6.5E-11	3.0E-11	2.6E-12	1.9E-10	7.0E-11	3.2E-11	2.7E-12	1.9E-10	7.2E-11	3.3E-11	2.7E-12	1.9E-10	7.3E-11	3.3E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B1.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.5E-12	1.0E-10	3.9E-11	1.8E-11	1.4E-12	1.0E-10	3.9E-11	1.8E-11	1.2E-12	1.0E-10	3.3E-11	1.5E-11	1.2E-12	1.0E-10	3.2E-11	1.5E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	3.2E-12	1.7E-12	2.9E-11	3.9E-11	7.0E-13	1.7E-12	6.4E-12	8.7E-12	6.8E-13	1.7E-12	6.2E-12	8.5E-12	6.7E-13	1.7E-12	6.1E-12	8.3E-12
4,4-DDT	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11
alpha-Chlordane	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11
Dieldrin	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11
gamma-Chlordane	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11
Polychlorinated Biphenyls																
Total PCBs	3.5E-10	2.5E-09	9.5E-09	4.3E-09	3.5E-10	2.5E-09	9.4E-09	4.3E-09	3.3E-10	2.5E-09	9.0E-09	4.1E-09	3.3E-10	2.5E-09	8.8E-09	4.0E-09
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	4.7E-14	1.0E-13	2.6E-13	5.8E-13	5.2E-14	1.0E-13	2.8E-13	6.4E-13	5.2E-14	1.0E-13	2.8E-13	6.4E-13	4.9E-14	1.0E-13	2.7E-13	6.1E-13

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	2.0E-07	NV	NA	2.4E-06	1.3E-07	NV	NA	1.6E-06	6.9E-08	NV	NA	8.5E-07	4.5E-08	NV	NA	5.6E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	8.3E-09	ND	ND	4.3E-11	8.3E-09	1.6E-09	5.3E-10	3.9E-11	8.3E-09	1.4E-09	4.8E-10	2.9E-11	8.3E-09	1.1E-09	3.6E-10
Isophorone	NC	NC	4.0E-07	1.4E-07	NC	NC	4.1E-06	1.4E-06	NC	NC	4.0E-06	1.4E-06	NC	NC	2.4E-06	8.3E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	2.5E-09	NV	9.1E-08	3.1E-08	1.9E-09	NV	6.8E-08	2.3E-08	2.9E-09	NV	1.0E-07	3.6E-08	2.0E-09	NV	7.2E-08	2.5E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.8E-06	6.2E-07
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.8E-11	2.6E-10	9.8E-10	2.2E-10	1.9E-11	2.6E-10	1.0E-09	2.4E-10	2.0E-11	2.6E-10	1.1E-09	2.5E-10	2.0E-11	2.6E-10	1.1E-09	2.5E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B1.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.1E-11	1.4E-10	5.9E-10	1.3E-10	1.1E-11	1.4E-10	5.8E-10	1.3E-10	9.2E-12	1.4E-10	5.0E-10	1.1E-10	9.0E-12	1.4E-10	4.9E-10	1.1E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	2.4E-11	2.3E-12	4.3E-10	3.0E-10	5.3E-12	2.3E-12	9.6E-11	6.5E-11	5.1E-12	2.3E-12	9.3E-11	6.3E-11	5.0E-12	2.3E-12	9.1E-11	6.2E-11
4,4-DDT	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10
alpha-Chlordane	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10
Dieldrin	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10
gamma-Chlordane	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10
Polychlorinated Biphenyls																
Total PCBs	2.6E-09	3.5E-09	1.4E-07	3.2E-08	2.6E-09	3.5E-09	1.4E-07	3.2E-08	2.5E-09	3.5E-09	1.4E-07	3.1E-08	2.4E-09	3.5E-09	1.3E-07	3.0E-08
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	3.5E-13	1.4E-13	3.8E-12	4.4E-12	3.9E-13	1.4E-13	4.2E-12	4.8E-12	3.9E-13	1.4E-13	4.2E-12	4.8E-12	3.7E-13	1.4E-13	4.0E-12	4.5E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.1c

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	8.3E-10	NV	NA	7.5E-06	5.5E-10	NV	NA	4.9E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	1.9E-08	ND	ND	6.6E-14	1.9E-08	1.2E-10	3.6E-10
Isophorone	NC	NC	3.0E-08	9.2E-08	NC	NC	3.0E-07	9.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	3.8E-12	NV	6.8E-09	2.1E-08	2.9E-12	NV	5.1E-09	1.6E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B1.1c

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	2.8E-14	5.8E-10	7.3E-11	1.5E-10	2.9E-14	5.8E-10	7.8E-11	1.6E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.7E-14	3.1E-10	4.4E-11	9.1E-11	1.6E-14	3.1E-10	4.3E-11	9.0E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	3.7E-14	5.1E-12	3.2E-11	2.0E-10	8.1E-15	5.1E-12	7.1E-12	4.4E-11
4,4-DDT	1.8E-14	NV	1.6E-11	9.9E-11	1.8E-14	NV	1.6E-11	9.9E-11
alpha-Chlordane	7.2E-14	NV	6.3E-11	3.9E-10	7.2E-14	NV	6.3E-11	3.9E-10
Dieldrin	4.0E-14	NV	3.5E-11	2.2E-10	4.0E-14	NV	3.5E-11	2.2E-10
gamma-Chlordane	7.8E-14	NV	6.9E-11	4.3E-10	7.8E-14	NV	6.9E-11	4.3E-10
Polychlorinated Biphenyls								
Total PCBs	4.0E-12	7.7E-09	1.1E-08	2.2E-08	4.0E-12	7.7E-09	1.1E-08	2.2E-08
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B1.1c

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	5.4E-16	3.2E-13	2.9E-13	3.0E-12	5.9E-16	3.2E-13	3.1E-13	3.2E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.1d

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.7E-09	NV	NA	1.5E-05	1.1E-09	NV	NA	9.8E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	3.7E-08	ND	ND	1.3E-13	3.7E-08	2.3E-10	7.2E-10
Isophorone	NC	NC	5.9E-08	1.8E-07	NC	NC	6.0E-07	1.9E-06
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	7.7E-12	NV	1.4E-08	4.2E-08	5.8E-12	NV	1.0E-08	3.2E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B1.1d

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	5.5E-14	1.2E-09	1.5E-10	3.0E-10	5.9E-14	1.2E-09	1.6E-10	3.2E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	3.3E-14	6.3E-10	8.8E-11	1.8E-10	3.3E-14	6.3E-10	8.7E-11	1.8E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-14	1.0E-11	6.4E-11	4.0E-10	1.6E-14	1.0E-11	1.4E-11	8.9E-11
4,4-DDT	3.6E-14	NV	3.2E-11	2.0E-10	3.6E-14	NV	3.2E-11	2.0E-10
alpha-Chlordane	1.4E-13	NV	1.3E-10	7.9E-10	1.4E-13	NV	1.3E-10	7.9E-10
Dieldrin	8.0E-14	NV	7.1E-11	4.4E-10	8.0E-14	NV	7.1E-11	4.4E-10
gamma-Chlordane	1.6E-13	NV	1.4E-10	8.5E-10	1.6E-13	NV	1.4E-10	8.5E-10
Polychlorinated Biphenyls								
Total PCBs	8.0E-12	1.5E-08	2.1E-08	4.4E-08	7.9E-12	1.5E-08	2.1E-08	4.4E-08
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B1.1d

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	1.1E-15	6.3E-13	5.7E-13	5.9E-12	1.2E-15	6.3E-13	6.3E-13	6.5E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.1e

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	3.0E-10	NV	NA	5.1E-07	2.0E-10	NV	NA	3.3E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	1.9E-08	ND	ND	6.6E-14	1.9E-08	4.7E-11	1.1E-10
Isophorone	NC	NC	1.2E-08	2.8E-08	NC	NC	1.2E-07	2.9E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	3.8E-12	NV	2.7E-09	6.5E-09	2.9E-12	NV	2.1E-09	4.9E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B1.1e

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	2.8E-14	5.8E-10	3.0E-11	4.7E-11	2.9E-14	5.8E-10	3.2E-11	5.0E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	1.7E-14	3.1E-10	1.8E-11	2.8E-11	1.6E-14	3.1E-10	1.8E-11	2.8E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	3.7E-14	5.1E-12	1.3E-11	6.2E-11	8.1E-15	5.1E-12	2.9E-12	1.4E-11
4,4-DDT	1.8E-14	NV	6.4E-12	3.1E-11	1.8E-14	NV	6.4E-12	3.1E-11
alpha-Chlordane	7.2E-14	NV	2.6E-11	1.2E-10	7.2E-14	NV	2.6E-11	1.2E-10
Dieldrin	4.0E-14	NV	1.4E-11	6.8E-11	4.0E-14	NV	1.4E-11	6.8E-11
gamma-Chlordane	7.8E-14	NV	2.8E-11	1.3E-10	7.8E-14	NV	2.8E-11	1.3E-10
Polychlorinated Biphenyls								
Total PCBs	4.0E-12	7.7E-09	4.3E-09	6.8E-09	4.0E-12	7.7E-09	4.3E-09	6.7E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B1.1e

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	5.4E-16	3.2E-13	1.2E-13	9.2E-13	5.9E-16	3.2E-13	1.3E-13	1.0E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.1f
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.1E-07	NV	NA	8.7E-07	7.0E-08	NV	NA	5.7E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	2.3E-09	ND	ND	1.3E-11	2.3E-09	1.1E-09	9.2E-11
Isophorone	NC	NC	2.9E-07	2.3E-08	NC	NC	2.9E-06	2.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	7.7E-10	NV	6.5E-08	5.4E-09	5.8E-10	NV	4.9E-08	4.0E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B1.1f
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	5.5E-12	7.3E-11	7.0E-10	3.8E-11	5.9E-12	7.3E-11	7.5E-10	4.1E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	3.3E-12	3.9E-11	4.3E-10	2.3E-11	3.3E-12	3.9E-11	4.2E-10	2.3E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-12	6.3E-13	3.1E-10	5.1E-11	1.6E-12	6.3E-13	6.9E-11	1.1E-11
4,4-DDT	3.6E-12	NV	1.5E-10	2.5E-11	3.6E-12	NV	1.5E-10	2.5E-11
alpha-Chlordane	1.4E-11	NV	6.1E-10	1.0E-10	1.4E-11	NV	6.1E-10	1.0E-10
Dieldrin	8.0E-12	NV	3.4E-10	5.6E-11	8.0E-12	NV	3.4E-10	5.6E-11
gamma-Chlordane	1.6E-11	NV	6.6E-10	1.1E-10	1.6E-11	NV	6.6E-10	1.1E-10
Polychlorinated Biphenyls								
Total PCBs	8.1E-10	9.7E-10	1.0E-07	5.6E-09	8.0E-10	9.7E-10	1.0E-07	5.5E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B1.1f

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	1.1E-13	3.9E-14	2.8E-12	7.6E-13	1.2E-13	3.9E-14	3.0E-12	8.3E-13

Notes:

[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:

bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.1g
Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Inorganics				
Antimony	NC	NC	NC	NC
Chromium, Hexavalent	8.7E-11	NV	5.7E-11	NV
Chromium, total	NC	NC	NC	NC
Copper	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC
Lead	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC
Nitrate	NS	NC	NC	NC
Phosphate	NS	NC	NC	NC
Thallium	ND	NC	NC	NC
Zinc	NC	NC	NC	NC
Volatile Organic Compounds				
Bromomethane	ND	NC	NC	NC
Chloro methane	ND	NC	NC	NC
Chloroform	ND	3.5E-09	1.9E-14	3.5E-09
Isophorone	NC	NC	NC	NC
Methyl acetate	ND	NC	NC	NC
Semi-Volatile Organic Compounds				
4-Methylphenol	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	1.1E-12	NV	8.3E-13	NV
Butylbenzylphthalate	ND	NC	ND	NC

Table OCSxBCW-B1.1g
Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	7.9E-15	1.1E-10	8.5E-15	1.1E-10
2-Methyl naphthalene	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC
Naphthalene	4.8E-15	6.0E-11	4.7E-15	6.0E-11
Phenanthrene	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC
Pesticides				
4,4-DDE	1.1E-14	9.6E-13	2.3E-15	9.6E-13
4,4-DDT	5.2E-15	NV	5.2E-15	NV
alpha-Chlordane	2.1E-14	NV	2.1E-14	NV
Dieldrin	1.2E-14	NV	1.2E-14	NV
gamma-Chlordane	2.2E-14	NV	2.2E-14	NV
Polychlorinated Biphenyls				
Total PCBs	1.2E-12	1.5E-09	1.1E-12	1.5E-09
Total Petroleum Hydrocarbons				
TPH as diesel	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC

Table OCSxBCW-B1.1g
Baseline Scenario Exposure Concentration Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Dioxins/Furans				
TEQ Human	1.6E-16	6.0E-14	1.7E-16	6.0E-14

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	4.9E-08	NV	8.8E-08	6.0E-07	9.5E-09	NV	1.7E-08	1.2E-07	1.4E-08	NV	2.6E-08	1.8E-07	1.2E-08	NV	2.2E-08	1.5E-07
Chromium, Hexavalent	1.8E-06	NV	NA	2.3E-05	1.2E-06	NV	NA	1.5E-05	6.4E-07	NV	NA	8.0E-06	4.2E-07	NV	NA	5.2E-06
Chromium, total	3.6E-06	NV	6.4E-06	4.4E-05	5.8E-06	NV	1.0E-05	7.1E-05	5.7E-06	NV	1.0E-05	7.1E-05	5.5E-06	NV	1.0E-05	6.8E-05
Copper	3.0E-06	NV	5.5E-06	3.8E-05	3.0E-06	NV	5.4E-06	3.7E-05	2.2E-06	NV	4.1E-06	2.8E-05	1.8E-06	NV	3.3E-06	2.2E-05
Cyanide	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.7E-08	NV	4.8E-08	3.3E-07	4.9E-08	NV	8.9E-08	6.1E-07	7.3E-08	NV	1.3E-07	9.0E-07	5.0E-08	NV	9.1E-08	6.2E-07
Nitrate	NS	NV	NS	NS	6.2E-07	NV	1.1E-06	7.7E-06	1.1E-06	NV	1.9E-06	1.3E-05	1.1E-06	NV	1.9E-06	1.3E-05
Phosphate	NS	NV	NS	NS	2.3E-06	NV	4.2E-06	2.9E-05	2.3E-06	NV	4.2E-06	2.9E-05	2.3E-06	NV	4.2E-06	2.9E-05
Thallium	ND	NV	ND	ND	2.3E-08	NV	4.2E-08	2.9E-07	2.1E-08	NV	3.8E-08	2.6E-07	2.1E-08	NV	3.8E-08	2.6E-07
Zinc	4.3E-06	NV	7.8E-06	5.3E-05	4.6E-06	NV	8.3E-06	5.7E-05	3.8E-06	NV	6.9E-06	4.7E-05	3.5E-06	NV	6.3E-06	4.3E-05
Volatile Organic Compounds																
Bromomethane	ND	1.9E-06	ND	ND	9.5E-10	1.9E-06	1.7E-08	1.2E-08	8.6E-10	1.9E-06	1.6E-08	1.1E-08	6.5E-10	1.9E-06	1.2E-08	8.0E-09
Chloro methane	ND	1.0E-06	ND	ND	4.0E-10	1.0E-06	7.3E-09	5.0E-09	3.7E-10	1.0E-06	6.7E-09	4.6E-09	2.9E-10	1.0E-06	5.2E-09	3.6E-09
Chloroform	ND	4.3E-07	ND	ND	4.0E-10	4.3E-07	7.3E-09	5.0E-09	3.6E-10	4.3E-07	6.5E-09	4.5E-09	2.8E-10	4.3E-07	5.0E-09	3.4E-09
Isophorone	1.0E-07	NV	1.9E-06	1.3E-06	1.0E-06	NV	1.9E-05	1.3E-05	1.0E-06	NV	1.9E-05	1.3E-05	6.2E-07	NV	1.1E-05	7.7E-06
Methyl acetate	ND	3.1E-07	ND	ND	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09
Semi-Volatile Organic Compounds																
4-Methylphenol	1.6E-08	NV	2.8E-07	1.9E-07	1.3E-08	NV	2.3E-07	1.6E-07	1.1E-08	NV	2.1E-07	1.4E-07	9.3E-09	NV	1.7E-07	1.1E-07
bis (2-ethylhexyl) phthalate	2.3E-08	NV	4.2E-07	2.9E-07	1.8E-08	NV	3.2E-07	2.2E-07	2.7E-08	NV	4.8E-07	3.3E-07	1.8E-08	NV	3.3E-07	2.3E-07
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	4.7E-07	NV	8.5E-06	5.8E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.7E-10	1.3E-08	4.6E-09	2.1E-09	1.8E-10	1.3E-08	4.9E-09	2.2E-09	1.9E-10	1.3E-08	5.1E-09	2.3E-09	1.9E-10	1.3E-08	5.1E-09	2.3E-09
2-Methyl naphthalene	2.2E-10	1.3E-08	5.9E-09	2.7E-09	2.3E-10	1.3E-08	6.3E-09	2.9E-09	1.9E-10	1.3E-08	5.1E-09	2.3E-09	2.0E-10	1.3E-08	5.3E-09	2.4E-09
Acenaphthene	1.0E-10	3.4E-09	2.8E-09	1.3E-09	1.0E-10	3.4E-09	2.7E-09	1.2E-09	1.2E-10	3.4E-09	3.2E-09	1.4E-09	1.2E-10	3.4E-09	3.3E-09	1.5E-09
Acenaphthylene	1.1E-10	NV	2.9E-09	1.3E-09	1.0E-10	NV	2.8E-09	1.3E-09	9.8E-11	NV	2.6E-09	1.2E-09	9.6E-11	NV	2.6E-09	1.2E-09
Anthracene	1.7E-10	1.2E-09	4.6E-09	2.1E-09	1.6E-10	1.2E-09	4.4E-09	2.0E-09	1.6E-10	1.2E-09	4.2E-09	1.9E-09	1.5E-10	1.2E-09	4.0E-09	1.8E-09
Benzo (ghi) perylene	3.0E-09	NV	8.1E-08	3.7E-08	2.5E-09	NV	6.7E-08	3.0E-08	2.0E-09	NV	5.4E-08	2.4E-08	1.8E-09	NV	4.8E-08	2.2E-08
Fluoranthene	1.3E-08	NV	3.5E-07	1.6E-07	1.0E-08	NV	2.7E-07	1.2E-07	7.4E-09	NV	2.0E-07	9.1E-08	6.1E-09	NV	1.7E-07	7.6E-08

Table OCSxBCW-B1.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	1.0E-10	1.5E-09	2.7E-09	1.2E-09	9.9E-11	1.5E-09	2.7E-09	1.2E-09	9.8E-11	1.5E-09	2.7E-09	1.2E-09	1.1E-10	1.5E-09	2.9E-09	1.3E-09
Naphthalene	1.0E-10	7.2E-09	2.8E-09	1.3E-09	1.0E-10	7.2E-09	2.7E-09	1.2E-09	8.6E-11	7.2E-09	2.3E-09	1.1E-09	8.4E-11	7.2E-09	2.3E-09	1.0E-09
Phenanthrene	4.1E-09	NV	1.1E-07	5.1E-08	3.2E-09	NV	8.7E-08	4.0E-08	2.3E-09	NV	6.4E-08	2.9E-08	2.1E-09	NV	5.6E-08	2.6E-08
Pyrene	1.1E-08	9.0E-09	3.0E-07	1.4E-07	8.7E-09	9.0E-09	2.4E-07	1.1E-07	6.5E-09	9.0E-09	1.8E-07	8.1E-08	5.5E-09	9.0E-09	1.5E-07	6.8E-08
Pesticides																
4,4-DDE	2.2E-10	1.2E-10	2.0E-09	2.8E-09	4.9E-11	1.2E-10	4.5E-10	6.1E-10	4.8E-11	1.2E-10	4.3E-10	5.9E-10	4.7E-11	1.2E-10	4.3E-10	5.8E-10
4,4-DDT	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09
alpha-Chlordane	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09
Dieldrin	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09
gamma-Chlordane	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09
Polychlorinated Biphenyls																
Total PCBs	2.5E-08	1.8E-07	6.7E-07	3.0E-07	2.4E-08	1.8E-07	6.6E-07	3.0E-07	2.3E-08	1.8E-07	6.3E-07	2.9E-07	2.3E-08	1.8E-07	6.2E-07	2.8E-07
Total Petroleum Hydrocarbons																
TPH as diesel	7.0E-06	4.9E-03	1.3E-04	8.6E-05	4.9E-06	4.9E-03	8.8E-05	6.0E-05	3.4E-06	4.9E-03	6.1E-05	4.2E-05	2.4E-06	4.9E-03	4.3E-05	2.9E-05
TPH as motor oil	1.6E-05	NV	3.0E-04	2.0E-04	1.2E-05	NV	2.2E-04	1.5E-04	9.6E-06	NV	1.7E-04	1.2E-04	7.0E-06	NV	1.3E-04	8.7E-05
Dioxins/Furans																
TEQ Human	3.3E-12	7.2E-12	1.8E-11	4.1E-11	3.6E-12	7.2E-12	2.0E-11	4.5E-11	3.6E-12	7.2E-12	2.0E-11	4.5E-11	3.4E-12	7.2E-12	1.9E-11	4.2E-11

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	1.2E-08	NV	4.4E-08	1.5E-07	2.4E-09	NV	8.6E-09	2.9E-08	3.6E-09	NV	1.3E-08	4.4E-08	3.0E-09	NV	1.1E-08	3.8E-08
Chromium, Hexavalent	4.6E-07	NV	NA	5.7E-06	3.0E-07	NV	NA	3.7E-06	1.6E-07	NV	NA	2.0E-06	1.1E-07	NV	NA	1.3E-06
Chromium, total	8.9E-07	NV	3.2E-06	1.1E-05	1.4E-06	NV	5.2E-06	1.8E-05	1.4E-06	NV	5.2E-06	1.8E-05	1.4E-06	NV	5.0E-06	1.7E-05
Copper	7.6E-07	NV	2.8E-06	9.4E-06	7.5E-07	NV	2.7E-06	9.3E-06	5.6E-07	NV	2.0E-06	7.0E-06	4.5E-07	NV	1.6E-06	5.6E-06
Cyanide	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	6.7E-09	NV	2.4E-08	8.3E-08	1.2E-08	NV	4.4E-08	1.5E-07	1.8E-08	NV	6.6E-08	2.3E-07	1.3E-08	NV	4.5E-08	1.5E-07
Nitrate	NS	NV	NS	NS	1.6E-07	NV	5.6E-07	1.9E-06	2.6E-07	NV	9.6E-07	3.3E-06	2.6E-07	NV	9.6E-07	3.3E-06
Phosphate	NS	NV	NS	NS	5.9E-07	NV	2.1E-06	7.3E-06	5.9E-07	NV	2.1E-06	7.3E-06	5.9E-07	NV	2.1E-06	7.3E-06
Thallium	ND	NV	ND	ND	5.8E-09	NV	2.1E-08	7.2E-08	5.3E-09	NV	1.9E-08	6.6E-08	5.2E-09	NV	1.9E-08	6.5E-08
Zinc	1.1E-06	NV	3.9E-06	1.3E-05	1.1E-06	NV	4.1E-06	1.4E-05	9.6E-07	NV	3.5E-06	1.2E-05	8.6E-07	NV	3.1E-06	1.1E-05
Volatile Organic Compounds																
Bromomethane	ND	8.6E-08	ND	ND	2.4E-10	8.6E-08	8.6E-09	2.9E-09	2.1E-10	8.6E-08	7.8E-09	2.7E-09	1.6E-10	8.6E-08	5.9E-09	2.0E-09
Chloro methane	ND	4.6E-08	ND	ND	1.0E-10	4.6E-08	3.6E-09	1.2E-09	9.2E-11	4.6E-08	3.3E-09	1.1E-09	7.3E-11	4.6E-08	2.6E-09	9.0E-10
Chloroform	ND	1.9E-08	ND	ND	1.0E-10	1.9E-08	3.6E-09	1.2E-09	9.0E-11	1.9E-08	3.3E-09	1.1E-09	6.9E-11	1.9E-08	2.5E-09	8.5E-10
Isophorone	2.6E-08	NV	9.3E-07	3.2E-07	2.6E-07	NV	9.5E-06	3.2E-06	2.6E-07	NV	9.4E-06	3.2E-06	1.6E-07	NV	5.7E-06	1.9E-06
Methyl acetate	ND	1.4E-08	ND	ND	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09
Semi-Volatile Organic Compounds																
4-Methylphenol	3.9E-09	NV	1.4E-07	4.9E-08	3.2E-09	NV	1.1E-07	3.9E-08	2.9E-09	NV	1.0E-07	3.5E-08	2.3E-09	NV	8.4E-08	2.9E-08
bis (2-ethylhexyl) phthalate	5.8E-09	NV	2.1E-07	7.2E-08	4.4E-09	NV	1.6E-07	5.4E-08	6.7E-09	NV	2.4E-07	8.3E-08	4.6E-09	NV	1.7E-07	5.7E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	1.2E-07	NV	4.3E-06	1.5E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	4.2E-11	6.1E-10	2.3E-09	5.2E-10	4.5E-11	6.1E-10	2.4E-09	5.6E-10	4.7E-11	6.1E-10	2.5E-09	5.8E-10	4.7E-11	6.1E-10	2.6E-09	5.8E-10
2-Methyl naphthalene	5.4E-11	6.1E-10	3.0E-09	6.7E-10	5.8E-11	6.1E-10	3.1E-09	7.2E-10	4.7E-11	6.1E-10	2.6E-09	5.8E-10	4.9E-11	6.1E-10	2.6E-09	6.0E-10
Acenaphthene	2.6E-11	1.6E-10	1.4E-09	3.2E-10	2.5E-11	1.6E-10	1.4E-09	3.1E-10	2.9E-11	1.6E-10	1.6E-09	3.6E-10	3.0E-11	1.6E-10	1.6E-09	3.8E-10
Acenaphthylene	2.7E-11	NV	1.5E-09	3.3E-10	2.6E-11	NV	1.4E-09	3.2E-10	2.4E-11	NV	1.3E-09	3.0E-10	2.4E-11	NV	1.3E-09	3.0E-10
Anthracene	4.2E-11	5.3E-11	2.3E-09	5.2E-10	4.1E-11	5.3E-11	2.2E-09	5.0E-10	3.9E-11	5.3E-11	2.1E-09	4.8E-10	3.7E-11	5.3E-11	2.0E-09	4.6E-10
Benzo (ghi) perylene	7.4E-10	NV	4.0E-08	9.2E-09	6.1E-10	NV	3.3E-08	7.6E-09	4.9E-10	NV	2.7E-08	6.1E-09	4.4E-10	NV	2.4E-08	5.5E-09
Fluoranthene	3.2E-09	NV	1.7E-07	4.0E-08	2.5E-09	NV	1.4E-07	3.1E-08	1.8E-09	NV	1.0E-07	2.3E-08	1.5E-09	NV	8.3E-08	1.9E-08

Table OCSxBCW-B1.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	2.5E-11	6.8E-11	1.4E-09	3.1E-10	2.5E-11	6.8E-11	1.3E-09	3.1E-10	2.4E-11	6.8E-11	1.3E-09	3.0E-10	2.7E-11	6.8E-11	1.4E-09	3.3E-10
Naphthalene	2.5E-11	3.3E-10	1.4E-09	3.1E-10	2.5E-11	3.3E-10	1.4E-09	3.1E-10	2.2E-11	3.3E-10	1.2E-09	2.7E-10	2.1E-11	3.3E-10	1.1E-09	2.6E-10
Phenanthrene	1.0E-09	NV	5.6E-08	1.3E-08	8.0E-10	NV	4.3E-08	9.9E-09	5.9E-10	NV	3.2E-08	7.3E-09	5.2E-10	NV	2.8E-08	6.4E-09
Pyrene	2.8E-09	4.1E-10	1.5E-07	3.4E-08	2.2E-09	4.1E-10	1.2E-07	2.7E-08	1.6E-09	4.1E-10	8.9E-08	2.0E-08	1.4E-09	4.1E-10	7.4E-08	1.7E-08
Pesticides																
4,4-DDE	5.6E-11	5.3E-12	1.0E-09	6.9E-10	1.2E-11	5.3E-12	2.2E-10	1.5E-10	1.2E-11	5.3E-12	2.2E-10	1.5E-10	1.2E-11	5.3E-12	2.1E-10	1.5E-10
4,4-DDT	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10
alpha-Chlordane	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09
Dieldrin	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10
gamma-Chlordane	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09
Polychlorinated Biphenyls																
Total PCBs	6.1E-09	8.1E-09	3.3E-07	7.6E-08	6.1E-09	8.1E-09	3.3E-07	7.5E-08	5.8E-09	8.1E-09	3.2E-07	7.2E-08	5.7E-09	8.1E-09	3.1E-07	7.0E-08
Total Petroleum Hydrocarbons																
TPH as diesel	1.7E-06	2.2E-04	6.3E-05	2.2E-05	1.2E-06	2.2E-04	4.4E-05	1.5E-05	8.5E-07	2.2E-04	3.1E-05	1.1E-05	5.9E-07	2.2E-04	2.2E-05	7.4E-06
TPH as motor oil	4.1E-06	NV	1.5E-04	5.1E-05	3.1E-06	NV	1.1E-04	3.8E-05	2.4E-06	NV	8.7E-05	3.0E-05	1.8E-06	NV	6.3E-05	2.2E-05
Dioxins/Furans																
TEQ Human	8.3E-13	3.3E-13	9.0E-12	1.0E-11	9.0E-13	3.3E-13	9.8E-12	1.1E-11	9.0E-13	3.3E-13	9.8E-12	1.1E-11	8.6E-13	3.3E-13	9.3E-12	1.1E-11

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	2.1E-11	NV	1.1E-08	3.9E-07	2.1E-11	NV	1.5E-09	3.6E-08	4.2E-12	NV	2.2E-09	7.6E-08	4.2E-12	NV	3.0E-10	7.2E-09
Chromium, Hexavalent	8.1E-10	NV	NA	1.5E-05	8.1E-10	NV	NA	1.4E-06	5.3E-10	NV	NA	9.6E-06	5.3E-10	NV	NA	9.0E-07
Chromium, total	1.6E-09	NV	8.3E-07	2.8E-05	1.6E-09	NV	1.1E-07	2.7E-06	2.5E-09	NV	1.3E-06	4.6E-05	2.5E-09	NV	1.8E-07	4.3E-06
Copper	1.3E-09	NV	7.1E-07	2.4E-05	1.3E-09	NV	9.6E-08	2.3E-06	1.3E-09	NV	7.0E-07	2.4E-05	1.3E-09	NV	9.5E-08	2.2E-06
Cyanide	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.2E-11	NV	6.2E-09	2.1E-07	1.2E-11	NV	8.4E-10	2.0E-08	2.2E-11	NV	1.1E-08	3.9E-07	2.2E-11	NV	1.6E-09	3.7E-08
Nitrate	NS	NV	NS	NS	NS	NV	NS	NS	2.7E-10	NV	1.4E-07	5.0E-06	2.7E-10	NV	2.0E-08	4.7E-07
Phosphate	NS	NV	NS	NS	NS	NV	NS	NS	1.0E-09	NV	5.4E-07	1.9E-05	1.0E-09	NV	7.4E-08	1.8E-06
Thallium	ND	NV	ND	ND	ND	NV	ND	ND	1.0E-11	NV	5.4E-09	1.9E-07	1.0E-11	NV	7.4E-10	1.7E-08
Zinc	1.9E-09	NV	1.0E-06	3.4E-05	1.9E-09	NV	1.4E-07	3.2E-06	2.0E-09	NV	1.1E-06	3.7E-05	2.0E-09	NV	1.4E-07	3.4E-06
Volatile Organic Compounds																
Bromomethane	ND	2.2E-07	ND	ND	ND	2.2E-07	ND	ND	4.2E-13	2.2E-07	2.2E-09	7.6E-09	4.2E-13	2.2E-07	3.0E-10	7.1E-10
Chloro methane	ND	1.2E-07	ND	ND	ND	1.2E-07	ND	ND	1.8E-13	1.2E-07	9.3E-10	3.2E-09	1.8E-13	1.2E-07	1.3E-10	3.0E-10
Chloroform	ND	5.0E-08	ND	ND	ND	5.0E-08	ND	ND	1.8E-13	5.0E-08	9.3E-10	3.2E-09	1.8E-13	5.0E-08	1.3E-10	3.0E-10
Isophorone	4.5E-11	NV	2.4E-07	8.2E-07	4.5E-11	NV	3.2E-08	7.7E-08	4.6E-10	NV	2.4E-06	8.4E-06	4.6E-10	NV	3.3E-07	7.8E-07
Methyl acetate	ND	3.6E-08	ND	ND	ND	3.6E-08	ND	ND	2.7E-13	3.6E-08	1.4E-09	5.0E-09	2.7E-13	3.6E-08	2.0E-10	4.7E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	6.9E-12	NV	3.6E-08	1.3E-07	6.9E-12	NV	5.0E-09	1.2E-08	5.6E-12	NV	2.9E-08	1.0E-07	5.6E-12	NV	4.0E-09	9.5E-09
bis (2-ethylhexyl) phthalate	1.0E-11	NV	5.4E-08	1.9E-07	1.0E-11	NV	7.4E-09	1.8E-08	7.8E-12	NV	4.1E-08	1.4E-07	7.8E-12	NV	5.6E-09	1.3E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	7.4E-14	1.6E-09	5.8E-10	1.3E-09	7.4E-14	1.6E-09	8.0E-11	1.3E-10	7.9E-14	1.6E-09	6.3E-10	1.4E-09	7.9E-14	1.6E-09	8.5E-11	1.3E-10
2-Methyl naphthalene	9.6E-14	1.6E-09	7.6E-10	1.7E-09	9.6E-14	1.6E-09	1.0E-10	1.6E-10	1.0E-13	1.6E-09	8.0E-10	1.8E-09	1.0E-13	1.6E-09	1.1E-10	1.7E-10
Acenaphthene	4.5E-14	4.0E-10	3.6E-10	8.2E-10	4.5E-14	4.0E-10	4.9E-11	7.7E-11	4.4E-14	4.0E-10	3.5E-10	8.0E-10	4.4E-14	4.0E-10	4.8E-11	7.5E-11
Acenaphthylene	4.8E-14	NV	3.8E-10	8.7E-10	4.8E-14	NV	5.1E-11	8.1E-11	4.5E-14	NV	3.6E-10	8.2E-10	4.5E-14	NV	4.9E-11	7.7E-11
Anthracene	7.5E-14	1.4E-10	5.9E-10	1.4E-09	7.5E-14	1.4E-10	8.1E-11	1.3E-10	7.2E-14	1.4E-10	5.7E-10	1.3E-09	7.2E-14	1.4E-10	7.7E-11	1.2E-10
Benzo (ghi) perylene	1.3E-12	NV	1.0E-08	2.4E-08	1.3E-12	NV	1.4E-09	2.2E-09	1.1E-12	NV	8.5E-09	2.0E-08	1.1E-12	NV	1.2E-09	1.8E-09
Fluoranthene	5.6E-12	NV	4.4E-08	1.0E-07	5.6E-12	NV	6.1E-09	9.6E-09	4.4E-12	NV	3.5E-08	8.0E-08	4.4E-12	NV	4.7E-09	7.5E-09

Table OCSxBCW-B1.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	4.4E-14	1.8E-10	3.5E-10	8.0E-10	4.4E-14	1.8E-10	4.8E-11	7.5E-11	4.4E-14	1.8E-10	3.4E-10	7.9E-10	4.4E-14	1.8E-10	4.7E-11	7.4E-11
Naphthalene	4.5E-14	8.5E-10	3.5E-10	8.1E-10	4.5E-14	8.5E-10	4.8E-11	7.6E-11	4.4E-14	8.5E-10	3.5E-10	8.0E-10	4.4E-14	8.5E-10	4.8E-11	7.5E-11
Phenanthrene	1.8E-12	NV	1.4E-08	3.3E-08	1.8E-12	NV	2.0E-09	3.1E-09	1.4E-12	NV	1.1E-08	2.6E-08	1.4E-12	NV	1.5E-09	2.4E-09
Pyrene	4.9E-12	1.1E-09	3.9E-08	8.9E-08	4.9E-12	1.1E-09	5.3E-09	8.3E-09	3.8E-12	1.1E-09	3.0E-08	7.0E-08	3.8E-12	1.1E-09	4.1E-09	6.5E-09
Pesticides																
4,4-DDE	9.8E-14	1.4E-11	2.6E-10	1.8E-09	9.8E-14	1.4E-11	3.5E-11	1.7E-10	2.2E-14	1.4E-11	5.7E-11	3.9E-10	2.2E-14	1.4E-11	7.8E-12	3.7E-11
4,4-DDT	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11
alpha-Chlordane	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10
Dieldrin	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10
gamma-Chlordane	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10
Polychlorinated Biphenyls																
Total PCBs	1.1E-11	2.1E-08	8.5E-08	2.0E-07	1.1E-11	2.1E-08	1.2E-08	1.8E-08	1.1E-11	2.1E-08	8.4E-08	1.9E-07	1.1E-11	2.1E-08	1.2E-08	1.8E-08
Total Petroleum Hydrocarbons																
TPH as diesel	3.1E-09	5.8E-04	1.6E-05	5.6E-05	3.1E-09	5.8E-04	2.2E-06	5.2E-06	2.1E-09	5.8E-04	1.1E-05	3.9E-05	2.1E-09	5.8E-04	1.5E-06	3.6E-06
TPH as motor oil	7.3E-09	NV	3.8E-05	1.3E-04	7.3E-09	NV	5.2E-06	1.2E-05	5.4E-09	NV	2.8E-05	9.8E-05	5.4E-09	NV	3.9E-06	9.2E-06
Dioxins/Furans																
TEQ Human	1.5E-15	8.5E-13	2.3E-12	2.6E-11	1.5E-15	8.5E-13	3.1E-13	2.5E-12	1.6E-15	8.5E-13	2.5E-12	2.9E-11	1.6E-15	8.5E-13	3.4E-13	2.7E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	4.3E-11	NV	2.3E-08	7.8E-07	4.3E-11	NV	3.1E-09	7.3E-08	8.4E-12	NV	4.4E-09	1.5E-07	8.4E-12	NV	6.0E-10	1.4E-08
Chromium, Hexavalent	1.6E-09	NV	NA	2.9E-05	1.6E-09	NV	NA	2.7E-06	1.1E-09	NV	NA	1.9E-05	1.1E-09	NV	NA	1.8E-06
Chromium, total	3.1E-09	NV	1.7E-06	5.7E-05	3.1E-09	NV	2.3E-07	5.3E-06	5.1E-09	NV	2.7E-06	9.2E-05	5.1E-09	NV	3.7E-07	8.7E-06
Copper	2.7E-09	NV	1.4E-06	4.9E-05	2.7E-09	NV	1.9E-07	4.6E-06	2.6E-09	NV	1.4E-06	4.8E-05	2.6E-09	NV	1.9E-07	4.5E-06
Cyanide	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.4E-11	NV	1.2E-08	4.3E-07	2.4E-11	NV	1.7E-09	4.0E-08	4.3E-11	NV	2.3E-08	7.8E-07	4.3E-11	NV	3.1E-09	7.3E-08
Nitrate	NS	NV	NS	NS	NS	NV	NS	NS	5.5E-10	NV	2.9E-07	9.9E-06	5.5E-10	NV	3.9E-08	9.3E-07
Phosphate	NS	NV	NS	NS	NS	NV	NS	NS	2.1E-09	NV	1.1E-06	3.8E-05	2.1E-09	NV	1.5E-07	3.5E-06
Thallium	ND	NV	ND	ND	ND	NV	ND	ND	2.1E-11	NV	1.1E-08	3.7E-07	2.1E-11	NV	1.5E-09	3.5E-08
Zinc	3.8E-09	NV	2.0E-06	6.9E-05	3.8E-09	NV	2.7E-07	6.5E-06	4.0E-09	NV	2.1E-06	7.3E-05	4.0E-09	NV	2.9E-07	6.8E-06
Volatile Organic Compounds																
Bromomethane	ND	4.5E-07	ND	ND	ND	4.5E-07	ND	ND	8.4E-13	4.5E-07	4.4E-09	1.5E-08	8.4E-13	4.5E-07	6.0E-10	1.4E-09
Chloro methane	ND	2.4E-07	ND	ND	ND	2.4E-07	ND	ND	3.5E-13	2.4E-07	1.9E-09	6.4E-09	3.5E-13	2.4E-07	2.5E-10	6.0E-10
Chloroform	ND	1.0E-07	ND	ND	ND	1.0E-07	ND	ND	3.5E-13	1.0E-07	1.9E-09	6.4E-09	3.5E-13	1.0E-07	2.5E-10	6.0E-10
Isophorone	9.0E-11	NV	4.7E-07	1.6E-06	9.0E-11	NV	6.5E-08	1.5E-07	9.2E-10	NV	4.8E-06	1.7E-05	9.2E-10	NV	6.6E-07	1.6E-06
Methyl acetate	ND	7.3E-08	ND	ND	ND	7.3E-08	ND	ND	5.5E-13	7.3E-08	2.9E-09	9.9E-09	5.5E-13	7.3E-08	3.9E-10	9.3E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-11	NV	7.3E-08	2.5E-07	1.4E-11	NV	9.9E-09	2.4E-08	1.1E-11	NV	5.8E-08	2.0E-07	1.1E-11	NV	8.0E-09	1.9E-08
bis (2-ethylhexyl) phthalate	2.1E-11	NV	1.1E-07	3.7E-07	2.1E-11	NV	1.5E-08	3.5E-08	1.6E-11	NV	8.2E-08	2.8E-07	1.6E-11	NV	1.1E-08	2.6E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.5E-13	3.1E-09	1.2E-09	2.7E-09	1.5E-13	3.1E-09	1.6E-10	2.5E-10	1.6E-13	3.1E-09	1.3E-09	2.9E-09	1.6E-13	3.1E-09	1.7E-10	2.7E-10
2-Methyl naphthalene	1.9E-13	3.1E-09	1.5E-09	3.5E-09	1.9E-13	3.1E-09	2.1E-10	3.3E-10	2.0E-13	3.1E-09	1.6E-09	3.7E-09	2.0E-13	3.1E-09	2.2E-10	3.5E-10
Acenaphthene	9.0E-14	8.0E-10	7.1E-10	1.6E-09	9.0E-14	8.0E-10	9.7E-11	1.5E-10	8.8E-14	8.0E-10	7.0E-10	1.6E-09	8.8E-14	8.0E-10	9.5E-11	1.5E-10
Acenaphthylene	9.5E-14	NV	7.5E-10	1.7E-09	9.5E-14	NV	1.0E-10	1.6E-10	9.1E-14	NV	7.1E-10	1.6E-09	9.1E-14	NV	9.8E-11	1.5E-10
Anthracene	1.5E-13	2.8E-10	1.2E-09	2.7E-09	1.5E-13	2.8E-10	1.6E-10	2.5E-10	1.4E-13	2.8E-10	1.1E-09	2.6E-09	1.4E-13	2.8E-10	1.5E-10	2.4E-10
Benzo (ghi) perylene	2.6E-12	NV	2.1E-08	4.8E-08	2.6E-12	NV	2.8E-09	4.5E-09	2.2E-12	NV	1.7E-08	3.9E-08	2.2E-12	NV	2.3E-09	3.7E-09
Fluoranthene	1.1E-11	NV	8.9E-08	2.0E-07	1.1E-11	NV	1.2E-08	1.9E-08	8.8E-12	NV	6.9E-08	1.6E-07	8.8E-12	NV	9.5E-09	1.5E-08

Table OCSxBCW-B1.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	8.9E-14	3.5E-10	7.0E-10	1.6E-09	8.9E-14	3.5E-10	9.5E-11	1.5E-10	8.7E-14	3.5E-10	6.9E-10	1.6E-09	8.7E-14	3.5E-10	9.4E-11	1.5E-10
Naphthalene	9.0E-14	1.7E-09	7.1E-10	1.6E-09	9.0E-14	1.7E-09	9.6E-11	1.5E-10	8.8E-14	1.7E-09	7.0E-10	1.6E-09	8.8E-14	1.7E-09	9.5E-11	1.5E-10
Phenanthrene	3.6E-12	NV	2.9E-08	6.6E-08	3.6E-12	NV	3.9E-09	6.2E-09	2.8E-12	NV	2.2E-08	5.1E-08	2.8E-12	NV	3.0E-09	4.8E-09
Pyrene	9.8E-12	2.1E-09	7.7E-08	1.8E-07	9.8E-12	2.1E-09	1.1E-08	1.7E-08	7.7E-12	2.1E-09	6.1E-08	1.4E-07	7.7E-12	2.1E-09	8.3E-09	1.3E-08
Pesticides																
4,4-DDE	2.0E-13	2.7E-11	5.2E-10	3.6E-09	2.0E-13	2.7E-11	7.1E-11	3.3E-10	4.4E-14	2.7E-11	1.1E-10	7.9E-10	4.4E-14	2.7E-11	1.6E-11	7.4E-11
4,4-DDT	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10
alpha-Chlordane	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10
Dieldrin	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10
gamma-Chlordane	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10
Polychlorinated Biphenyls																
Total PCBs	2.2E-11	4.2E-08	1.7E-07	3.9E-07	2.2E-11	4.2E-08	2.3E-08	3.7E-08	2.1E-11	4.2E-08	1.7E-07	3.9E-07	2.1E-11	4.2E-08	2.3E-08	3.6E-08
Total Petroleum Hydrocarbons																
TPH as diesel	6.2E-09	1.2E-03	3.2E-05	1.1E-04	6.2E-09	1.2E-03	4.4E-06	1.0E-05	4.3E-09	1.2E-03	2.3E-05	7.8E-05	4.3E-09	1.2E-03	3.1E-06	7.3E-06
TPH as motor oil	1.5E-08	NV	7.6E-05	2.6E-04	1.5E-08	NV	1.0E-05	2.5E-05	1.1E-08	NV	5.7E-05	2.0E-04	1.1E-08	NV	7.7E-06	1.8E-05
Dioxins/Furans																
TEQ Human	2.9E-15	1.7E-12	4.6E-12	5.3E-11	2.9E-15	1.7E-12	6.3E-13	5.0E-12	3.2E-15	1.7E-12	5.0E-12	5.8E-11	3.2E-15	1.7E-12	6.9E-13	5.4E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2e

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	2.1E-11	NV	1.5E-09	3.6E-08	4.2E-12	NV	3.0E-10	7.2E-09
Chromium, Hexavalent	8.1E-10	NV	NA	1.4E-06	5.3E-10	NV	NA	9.0E-07
Chromium, total	1.6E-09	NV	1.1E-07	2.7E-06	2.5E-09	NV	1.8E-07	4.3E-06
Copper	1.3E-09	NV	9.6E-08	2.3E-06	1.3E-09	NV	9.5E-08	2.2E-06
Cyanide	3.5E-12	NV	2.5E-10	6.0E-09	3.5E-12	NV	2.5E-10	6.0E-09
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.2E-11	NV	8.4E-10	2.0E-08	2.2E-11	NV	1.6E-09	3.7E-08
Nitrate	NS	NV	NS	NS	2.7E-10	NV	2.0E-08	4.7E-07
Phosphate	NS	NV	NS	NS	1.0E-09	NV	7.4E-08	1.8E-06
Thallium	ND	NV	ND	ND	1.0E-11	NV	7.4E-10	1.7E-08
Zinc	1.9E-09	NV	1.4E-07	3.2E-06	2.0E-09	NV	1.4E-07	3.4E-06
Volatile Organic Compounds								
Bromomethane	ND	2.2E-07	ND	ND	4.2E-13	2.2E-07	3.0E-10	7.1E-10
Chloro methane	ND	1.2E-07	ND	ND	1.8E-13	1.2E-07	1.3E-10	3.0E-10
Chloroform	ND	5.0E-08	ND	ND	1.8E-13	5.0E-08	1.3E-10	3.0E-10
Isophorone	4.5E-11	NV	3.2E-08	7.7E-08	4.6E-10	NV	3.3E-07	7.8E-07
Methyl acetate	ND	3.6E-08	ND	ND	2.7E-13	3.6E-08	2.0E-10	4.7E-10
Semi-Volatile Organic Compounds								
4-Methylphenol	6.9E-12	NV	5.0E-09	1.2E-08	5.6E-12	NV	4.0E-09	9.5E-09
bis (2-ethylhexyl) phthalate	1.0E-11	NV	7.4E-09	1.8E-08	7.8E-12	NV	5.6E-09	1.3E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND

Table OCSxBCW-B1.2e

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	7.4E-14	1.6E-09	8.0E-11	1.3E-10	7.9E-14	1.6E-09	8.5E-11	1.3E-10
2-Methyl naphthalene	9.6E-14	1.6E-09	1.0E-10	1.6E-10	1.0E-13	1.6E-09	1.1E-10	1.7E-10
Acenaphthene	4.5E-14	4.0E-10	4.9E-11	7.7E-11	4.4E-14	4.0E-10	4.8E-11	7.5E-11
Acenaphthylene	4.8E-14	NV	5.1E-11	8.1E-11	4.5E-14	NV	4.9E-11	7.7E-11
Anthracene	7.5E-14	1.4E-10	8.1E-11	1.3E-10	7.2E-14	1.4E-10	7.7E-11	1.2E-10
Benzo (ghi) perylene	1.3E-12	NV	1.4E-09	2.2E-09	1.1E-12	NV	1.2E-09	1.8E-09
Fluoranthene	5.6E-12	NV	6.1E-09	9.6E-09	4.4E-12	NV	4.7E-09	7.5E-09
Fluorene	4.4E-14	1.8E-10	4.8E-11	7.5E-11	4.4E-14	1.8E-10	4.7E-11	7.4E-11
Naphthalene	4.5E-14	8.5E-10	4.8E-11	7.6E-11	4.4E-14	8.5E-10	4.8E-11	7.5E-11
Phenanthrene	1.8E-12	NV	2.0E-09	3.1E-09	1.4E-12	NV	1.5E-09	2.4E-09
Pyrene	4.9E-12	1.1E-09	5.3E-09	8.3E-09	3.8E-12	1.1E-09	4.1E-09	6.5E-09
Pesticides								
4,4-DDE	9.8E-14	1.4E-11	3.5E-11	1.7E-10	2.2E-14	1.4E-11	7.8E-12	3.7E-11
4,4-DDT	4.8E-14	NV	1.7E-11	8.2E-11	4.8E-14	NV	1.7E-11	8.2E-11
alpha-Chlordane	1.9E-13	NV	6.9E-11	3.3E-10	1.9E-13	NV	6.9E-11	3.3E-10
Dieldrin	1.1E-13	NV	3.9E-11	1.8E-10	1.1E-13	NV	3.9E-11	1.8E-10
gamma-Chlordane	2.1E-13	NV	7.5E-11	3.6E-10	2.1E-13	NV	7.5E-11	3.6E-10
Polychlorinated Biphenyls								
Total PCBs	1.1E-11	2.1E-08	1.2E-08	1.8E-08	1.1E-11	2.1E-08	1.2E-08	1.8E-08
Total Petroleum Hydrocarbons								
TPH as diesel	3.1E-09	5.8E-04	2.2E-06	5.2E-06	2.1E-09	5.8E-04	1.5E-06	3.6E-06
TPH as motor oil	7.3E-09	NV	5.2E-06	1.2E-05	5.4E-09	NV	3.9E-06	9.2E-06

Table OCSxBCW-B1.2e

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]				Adult Hunter (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	1.5E-15	8.5E-13	3.1E-13	2.5E-12	1.6E-15	8.5E-13	3.4E-13	2.7E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2f

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs:
Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	4.3E-09	NV	4.1E-08	5.5E-08	4.3E-09	NV	3.5E-08	2.3E-08	8.4E-10	NV	8.0E-09	1.1E-08	8.4E-10	NV	6.9E-09	4.4E-09
Chromium, Hexavalent	1.6E-07	NV	NA	2.1E-06	1.6E-07	NV	NA	8.5E-07	1.1E-07	NV	NA	1.4E-06	1.1E-07	NV	NA	5.6E-07
Chromium, total	3.2E-07	NV	3.0E-06	4.0E-06	3.2E-07	NV	2.6E-06	1.7E-06	5.1E-07	NV	4.9E-06	6.5E-06	5.1E-07	NV	4.2E-06	2.7E-06
Copper	2.7E-07	NV	2.6E-06	3.4E-06	2.7E-07	NV	2.2E-06	1.4E-06	2.7E-07	NV	2.5E-06	3.4E-06	2.7E-07	NV	2.2E-06	1.4E-06
Cyanide	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.4E-09	NV	2.2E-08	3.0E-08	2.4E-09	NV	1.9E-08	1.2E-08	4.3E-09	NV	4.1E-08	5.5E-08	4.3E-09	NV	3.5E-08	2.3E-08
Nitrate	NS	NV	NS	NS	NS	NV	NS	NS	5.5E-08	NV	5.2E-07	7.0E-07	5.5E-08	NV	4.5E-07	2.9E-07
Phosphate	NS	NV	NS	NS	NS	NV	NS	NS	2.1E-07	NV	2.0E-06	2.6E-06	2.1E-07	NV	1.7E-06	1.1E-06
Thallium	ND	NV	ND	ND	ND	NV	ND	ND	2.1E-09	NV	2.0E-08	2.6E-08	2.1E-09	NV	1.7E-08	1.1E-08
Zinc	3.8E-07	NV	3.6E-06	4.8E-06	3.8E-07	NV	3.1E-06	2.0E-06	4.0E-07	NV	3.9E-06	5.1E-06	4.0E-07	NV	3.3E-06	2.1E-06
Volatile Organic Compounds																
Bromomethane	ND	2.8E-08	ND	ND	ND	2.8E-08	ND	ND	8.4E-11	2.8E-08	8.0E-09	1.1E-09	8.4E-11	2.8E-08	6.9E-09	4.4E-10
Chloro methane	ND	1.5E-08	ND	ND	ND	1.5E-08	ND	ND	3.6E-11	1.5E-08	3.4E-09	4.5E-10	3.6E-11	1.5E-08	2.9E-09	1.9E-10
Chloroform	ND	6.3E-09	ND	ND	ND	6.3E-09	ND	ND	3.6E-11	6.3E-09	3.4E-09	4.5E-10	3.6E-11	6.3E-09	2.9E-09	1.9E-10
Isophorone	9.1E-09	NV	8.6E-07	1.2E-07	9.1E-09	NV	7.4E-07	4.7E-08	9.3E-08	NV	8.8E-06	1.2E-06	9.3E-08	NV	7.6E-06	4.8E-07
Methyl acetate	ND	4.6E-09	ND	ND	ND	4.6E-09	ND	ND	5.5E-11	4.6E-09	5.2E-09	7.0E-10	5.5E-11	4.6E-09	4.5E-09	2.9E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-09	NV	1.3E-07	1.8E-08	1.4E-09	NV	1.1E-07	7.3E-09	1.1E-09	NV	1.1E-07	1.4E-08	1.1E-09	NV	9.1E-08	5.8E-09
bis (2-ethylhexyl) phthalate	2.1E-09	NV	2.0E-07	2.6E-08	2.1E-09	NV	1.7E-07	1.1E-08	1.6E-09	NV	1.5E-07	2.0E-08	1.6E-09	NV	1.3E-07	8.2E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.5E-11	2.0E-10	2.1E-09	1.9E-10	1.5E-11	2.0E-10	1.8E-09	7.8E-11	1.6E-11	2.0E-10	2.3E-09	2.0E-10	1.6E-11	2.0E-10	2.0E-09	8.3E-11
2-Methyl naphthalene	1.9E-11	2.0E-10	2.8E-09	2.4E-10	1.9E-11	2.0E-10	2.4E-09	1.0E-10	2.0E-11	2.0E-10	2.9E-09	2.6E-10	2.0E-11	2.0E-10	2.5E-09	1.1E-10
Acenaphthene	9.1E-12	5.0E-11	1.3E-09	1.2E-10	9.1E-12	5.0E-11	1.1E-09	4.7E-11	8.9E-12	5.0E-11	1.3E-09	1.1E-10	8.9E-12	5.0E-11	1.1E-09	4.6E-11
Acenaphthylene	9.6E-12	NV	1.4E-09	1.2E-10	9.6E-12	NV	1.2E-09	5.0E-11	9.1E-12	NV	1.3E-09	1.2E-10	9.1E-12	NV	1.1E-09	4.8E-11
Anthracene	1.5E-11	1.7E-11	2.1E-09	1.9E-10	1.5E-11	1.7E-11	1.8E-09	7.9E-11	1.4E-11	1.7E-11	2.1E-09	1.8E-10	1.4E-11	1.7E-11	1.8E-09	7.6E-11
Benzo (ghi) perylene	2.6E-10	NV	3.8E-08	3.3E-09	2.6E-10	NV	3.2E-08	1.4E-09	2.2E-10	NV	3.1E-08	2.8E-09	2.2E-10	NV	2.7E-08	1.1E-09
Fluoranthene	1.1E-09	NV	1.6E-07	1.4E-08	1.1E-09	NV	1.4E-07	5.9E-09	8.8E-10	NV	1.3E-07	1.1E-08	8.8E-10	NV	1.1E-07	4.6E-09

Table OCSxBCW-B1.2f

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs:
Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	8.9E-12	2.2E-11	1.3E-09	1.1E-10	8.9E-12	2.2E-11	1.1E-09	4.7E-11	8.7E-12	2.2E-11	1.2E-09	1.1E-10	8.7E-12	2.2E-11	1.1E-09	4.6E-11
Naphthalene	9.0E-12	1.1E-10	1.3E-09	1.1E-10	9.0E-12	1.1E-10	1.1E-09	4.7E-11	8.9E-12	1.1E-10	1.3E-09	1.1E-10	8.9E-12	1.1E-10	1.1E-09	4.6E-11
Phenanthrene	3.7E-10	NV	5.2E-08	4.6E-09	3.7E-10	NV	4.5E-08	1.9E-09	2.8E-10	NV	4.0E-08	3.6E-09	2.8E-10	NV	3.5E-08	1.5E-09
Pyrene	9.8E-10	1.3E-10	1.4E-07	1.2E-08	9.8E-10	1.3E-10	1.2E-07	5.2E-09	7.7E-10	1.3E-10	1.1E-07	9.8E-09	7.7E-10	1.3E-10	9.4E-08	4.0E-09
Pesticides																
4,4-DDE	2.0E-11	1.7E-12	9.4E-10	2.5E-10	2.0E-11	1.7E-12	8.1E-10	1.0E-10	4.4E-12	1.7E-12	2.1E-10	5.5E-11	4.4E-12	1.7E-12	1.8E-10	2.3E-11
4,4-DDT	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11
alpha-Chlordane	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10
Dieldrin	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10
gamma-Chlordane	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10
Polychlorinated Biphenyls																
Total PCBs	2.2E-09	2.6E-09	3.1E-07	2.8E-08	2.2E-09	2.6E-09	2.7E-07	1.1E-08	2.1E-09	2.6E-09	3.1E-07	2.7E-08	2.1E-09	2.6E-09	2.6E-07	1.1E-08
Total Petroleum Hydrocarbons																
TPH as diesel	6.2E-07	7.2E-05	5.9E-05	7.8E-06	6.2E-07	7.2E-05	5.1E-05	3.2E-06	4.3E-07	7.2E-05	4.1E-05	5.5E-06	4.3E-07	7.2E-05	3.5E-05	2.3E-06
TPH as motor oil	1.5E-06	NV	1.4E-04	1.8E-05	1.5E-06	NV	1.2E-04	7.6E-06	1.1E-06	NV	1.0E-04	1.4E-05	1.1E-06	NV	8.8E-05	5.7E-06
Dioxins/Furans																
TEQ Human	2.9E-13	1.1E-13	8.4E-12	3.7E-12	2.9E-13	1.1E-13	7.2E-12	1.5E-12	3.2E-13	1.1E-13	9.1E-12	4.1E-12	3.2E-13	1.1E-13	7.8E-12	1.7E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.2g

Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Inorganics				
Antimony	2.7E-12	NV	5.3E-13	NV
Chromium, Hexavalent	1.0E-10	NV	6.6E-11	NV
Chromium, total	2.0E-10	NV	3.2E-10	NV
Copper	1.7E-10	NV	1.7E-10	NV
Cyanide	4.4E-13	NV	4.4E-13	NV
Lead	na	na	na	na
Mercury (inorganic)	1.5E-12	NV	2.7E-12	NV
Nitrate	NS	NV	3.4E-11	NV
Phosphate	NS	NV	1.3E-10	NV
Thallium	ND	NV	1.3E-12	NV
Zinc	2.4E-10	NV	2.5E-10	NV
Volatile Organic Compounds				
Bromomethane	ND	1.8E-08	5.2E-14	1.8E-08
Chloro methane	ND	9.8E-09	2.2E-14	9.8E-09
Chloroform	ND	4.1E-09	2.2E-14	4.1E-09
Isophorone	5.6E-12	NV	5.8E-11	NV
Methyl acetate	ND	3.0E-09	3.4E-14	3.0E-09
Semi-Volatile Organic Compounds				
4-Methylphenol	8.7E-13	NV	7.0E-13	NV
bis (2-ethylhexyl) phthalate	1.3E-12	NV	9.7E-13	NV
Butylbenzylphthalate	ND	NV	ND	NV

Table OCSxBCW-B1.2g

Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Polycyclic Aromatic Hydrocarbons				
1-Methyl naphthalene	9.3E-15	1.3E-10	9.9E-15	1.3E-10
2-Methyl naphthalene	1.2E-14	1.3E-10	1.3E-14	1.3E-10
Acenaphthene	5.6E-15	3.3E-11	5.5E-15	3.3E-11
Acenaphthylene	6.0E-15	NV	5.7E-15	NV
Anthracene	9.3E-15	1.1E-11	9.0E-15	1.1E-11
Benzo (ghi) perylene	1.6E-13	NV	1.4E-13	NV
Fluoranthene	7.1E-13	NV	5.5E-13	NV
Fluorene	5.5E-15	1.5E-11	5.4E-15	1.5E-11
Naphthalene	5.6E-15	7.0E-11	5.5E-15	7.0E-11
Phenanthrene	2.3E-13	NV	1.8E-13	NV
Pyrene	6.1E-13	8.8E-11	4.8E-13	8.8E-11
Pesticides				
4,4-DDE	1.2E-14	1.1E-12	2.7E-15	1.1E-12
4,4-DDT	6.0E-15	NV	6.0E-15	NV
alpha-Chlordane	2.4E-14	NV	2.4E-14	NV
Dieldrin	1.3E-14	NV	1.3E-14	NV
gamma-Chlordane	2.6E-14	NV	2.6E-14	NV
Polychlorinated Biphenyls				
Total PCBs	1.4E-12	1.7E-09	1.3E-12	1.7E-09
Total Petroleum Hydrocarbons				
TPH as diesel	3.8E-10	4.7E-05	2.7E-10	4.7E-05
TPH as motor oil	9.1E-10	NV	6.7E-10	NV

Table OCSxBCW-B1.2g

Baseline Scenario Exposure Concentration Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]		Tribal User (0 to 3 feet bgs)[a]	
	Soil Pathway		Soil Pathway	
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)
Dioxins/Furans				
TEQ Human	1.8E-16	7.0E-14	2.0E-16	7.0E-14

Notes:

[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:

bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3a
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	3.9E-06	NV	NA	1.6E-07	4.1E-06	2.6E-06	NV	NA	1.1E-07	2.7E-06	1.4E-06	NV	NA	5.7E-08	1.4E-06	9.0E-07	NV	NA	3.7E-08	9.4E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.4E-10	ND	ND	1.4E-10	1.3E-13	1.4E-10	3.2E-12	2.2E-12	1.5E-10	1.2E-13	1.4E-10	2.9E-12	2.0E-12	1.4E-10	9.0E-14	1.4E-10	2.2E-12	1.5E-12	1.4E-10
Isophorone	NC	NC	2.5E-11	1.7E-11	4.2E-11	NC	NC	2.6E-10	1.8E-10	4.3E-10	NC	NC	2.5E-10	1.7E-10	4.3E-10	NC	NC	1.5E-10	1.0E-10	2.6E-10
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	8.0E-13	NV	8.5E-11	5.8E-11	1.4E-10	6.0E-13	NV	6.4E-11	4.4E-11	1.1E-10	9.2E-13	NV	9.7E-11	6.6E-11	1.6E-10	6.3E-13	NV	6.7E-11	4.6E-11	1.1E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	2.3E-10	1.6E-10	3.9E-10
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.7E-14	1.4E-12	1.9E-12	8.6E-13	4.1E-12	1.9E-14	1.4E-12	2.0E-12	9.2E-13	4.3E-12	1.9E-14	1.4E-12	2.1E-12	9.6E-13	4.5E-12	2.0E-14	1.4E-12	2.1E-12	9.7E-13	4.5E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B1.3a
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	4.9E-14	3.5E-12	4.7E-12	2.2E-12	1.0E-11	4.9E-14	3.5E-12	4.7E-12	2.1E-12	1.0E-11	4.2E-14	3.5E-12	4.0E-12	1.8E-12	9.4E-12	4.1E-14	3.5E-12	3.9E-12	1.8E-12	9.2E-12
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	3.1E-13	1.6E-13	9.8E-12	1.3E-11	2.4E-11	6.8E-14	1.6E-13	2.2E-12	3.0E-12	5.4E-12	6.6E-14	1.6E-13	2.1E-12	2.9E-12	5.2E-12	6.5E-14	1.6E-13	2.1E-12	2.8E-12	5.1E-12
4,4-DDT	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11
alpha-Chlordane	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10
Dieldrin	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09
gamma-Chlordane	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10
Polychlorinated Biphenyls																				
Total PCBs	2.0E-10	1.4E-09	1.9E-08	8.7E-09	2.9E-08	2.0E-10	1.4E-09	1.9E-08	8.6E-09	2.9E-08	1.9E-10	1.4E-09	1.8E-08	8.2E-09	2.8E-08	1.9E-10	1.4E-09	1.8E-08	8.0E-09	2.7E-08
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	1.8E-09	3.9E-09	3.3E-08	7.6E-08	1.1E-07	2.0E-09	3.9E-09	3.6E-08	8.3E-08	1.3E-07	2.0E-09	3.9E-09	3.6E-08	8.3E-08	1.3E-07	1.9E-09	3.9E-09	3.5E-08	7.9E-08	1.2E-07
Cumulative ILCR	**4E-06**	**6E-09**	**5E-08**	**2E-07**	**4E-06**	**3E-06**	**6E-09**	**6E-08**	**2E-07**	**3E-06**	**1E-06**	**6E-09**	**6E-08**	**1E-07**	**2E-06**	**9E-07**	**6E-09**	**5E-08**	**1E-07**	**1E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3b
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	2.9E-05	NV	NA	1.2E-06	3.1E-05	1.9E-05	NV	NA	8.0E-07	2.0E-05	1.0E-05	NV	NA	4.3E-07	1.1E-05	6.8E-06	NV	NA	2.8E-07	7.0E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.9E-10	ND	ND	1.9E-10	9.9E-13	1.9E-10	4.8E-11	1.7E-11	2.6E-10	8.9E-13	1.9E-10	4.3E-11	1.5E-11	2.5E-10	6.8E-13	1.9E-10	3.3E-11	1.1E-11	2.4E-10
Isophorone	NC	NC	3.8E-10	1.3E-10	5.1E-10	NC	NC	3.8E-09	1.3E-09	5.2E-09	NC	NC	3.8E-09	1.3E-09	5.1E-09	NC	NC	2.3E-09	7.9E-10	3.1E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	6.0E-12	NV	1.3E-09	4.3E-10	1.7E-09	4.5E-12	NV	9.6E-10	3.3E-10	1.3E-09	6.9E-12	NV	1.5E-09	5.0E-10	2.0E-09	4.8E-12	NV	1.0E-09	3.4E-10	1.4E-09
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	3.5E-09	1.2E-09	4.7E-09
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.3E-13	1.9E-12	2.8E-11	6.5E-12	3.7E-11	1.4E-13	1.9E-12	3.0E-11	6.9E-12	3.9E-11	1.5E-13	1.9E-12	3.1E-11	7.2E-12	4.1E-11	1.5E-13	1.9E-12	3.2E-11	7.2E-12	4.1E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B1.3b
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	3.7E-13	4.8E-12	7.1E-11	1.6E-11	9.2E-11	3.6E-13	4.8E-12	7.0E-11	1.6E-11	9.1E-11	3.1E-13	4.8E-12	6.0E-11	1.4E-11	7.9E-11	3.0E-13	4.8E-12	5.8E-11	1.3E-11	7.7E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	2.3E-12	2.2E-13	1.5E-10	1.0E-10	2.5E-10	5.1E-13	2.2E-13	3.3E-11	2.2E-11	5.5E-11	5.0E-13	2.2E-13	3.2E-11	2.2E-11	5.4E-11	4.9E-13	2.2E-13	3.1E-11	2.1E-11	5.3E-11
4,4-DDT	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10
alpha-Chlordane	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09
Dieldrin	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08
gamma-Chlordane	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09
Polychlorinated Biphenyls																				
Total PCBs	1.5E-09	2.0E-09	2.9E-07	6.5E-08	3.5E-07	1.5E-09	2.0E-09	2.8E-07	6.4E-08	3.5E-07	1.4E-09	2.0E-09	2.7E-07	6.2E-08	3.4E-07	1.4E-09	2.0E-09	2.6E-07	6.0E-08	3.3E-07
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	1.3E-08	5.4E-09	5.0E-07	5.7E-07	1.1E-06	1.5E-08	5.4E-09	5.5E-07	6.2E-07	1.2E-06	1.5E-08	5.4E-09	5.5E-07	6.2E-07	1.2E-06	1.4E-08	5.4E-09	5.2E-07	5.9E-07	1.1E-06
Cumulative ILCR	**3E-05**	**8E-09**	**8E-07**	**2E-06**	**3E-05**	**2E-05**	**8E-09**	**8E-07**	**1E-06**	**2E-05**	**1E-05**	**8E-09**	**8E-07**	**1E-06**	**1E-05**	**7E-06**	**8E-09**	**8E-07**	**9E-07**	**9E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3c
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.2E-07	NV	NA	3.7E-06	3.9E-06	8.2E-08	NV	NA	2.5E-06	2.5E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	4.3E-10	ND	ND	4.3E-10	1.5E-15	4.3E-10	3.6E-12	1.1E-11	4.4E-10
Isophorone	NC	NC	2.8E-11	8.7E-11	1.2E-10	NC	NC	2.9E-10	8.9E-10	1.2E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	9.2E-15	NV	9.5E-11	2.9E-10	3.9E-10	6.9E-15	NV	7.1E-11	2.2E-10	2.9E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B1.3c
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	2.0E-16	4.2E-12	2.1E-12	4.4E-12	1.1E-11	2.1E-16	4.2E-12	2.3E-12	4.7E-12	1.1E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	5.7E-16	1.1E-11	5.3E-12	1.1E-11	2.7E-11	5.6E-16	1.1E-11	5.2E-12	1.1E-11	2.7E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	3.5E-15	4.9E-13	1.1E-11	6.8E-11	8.0E-11	7.8E-16	4.9E-13	2.4E-12	1.5E-11	1.8E-11
4,4-DDT	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11
alpha-Chlordane	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10
Dieldrin	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09
gamma-Chlordane	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10
Polychlorinated Biphenyls										
Total PCBs	2.3E-12	4.4E-09	2.1E-08	4.4E-08	7.0E-08	2.3E-12	4.4E-09	2.1E-08	4.4E-08	6.9E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B1.3c
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	2.1E-11	1.2E-08	3.7E-08	3.9E-07	4.4E-07	2.2E-11	1.2E-08	4.1E-08	4.2E-07	4.8E-07
Cumulative ILCR	**1E-07**	**2E-08**	**6E-08**	**4E-06**	**4E-06**	**8E-08**	**2E-08**	**6E-08**	**3E-06**	**3E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3d
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	2.5E-07	NV	NA	7.5E-06	7.7E-06	1.6E-07	NV	NA	4.9E-06	5.1E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	8.5E-10	ND	ND	8.5E-10	3.0E-15	8.5E-10	7.2E-12	2.2E-11	8.8E-10
Isophorone	NC	NC	5.6E-11	1.7E-10	2.3E-10	NC	NC	5.7E-10	1.8E-09	2.4E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	1.8E-14	NV	1.9E-10	5.9E-10	7.8E-10	1.4E-14	NV	1.4E-10	4.4E-10	5.9E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B1.3d
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	4.0E-16	8.4E-12	4.2E-12	8.8E-12	2.1E-11	4.3E-16	8.4E-12	4.5E-12	9.4E-12	2.2E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.1E-15	2.1E-11	1.1E-11	2.2E-11	5.4E-11	1.1E-15	2.1E-11	1.0E-11	2.2E-11	5.3E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-15	9.8E-13	2.2E-11	1.4E-10	1.6E-10	1.6E-15	9.8E-13	4.9E-12	3.0E-11	3.6E-11
4,4-DDT	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11
alpha-Chlordane	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09
Dieldrin	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09
gamma-Chlordane	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09
Polychlorinated Biphenyls										
Total PCBs	4.6E-12	8.8E-09	4.3E-08	8.8E-08	1.4E-07	4.5E-12	8.8E-09	4.2E-08	8.7E-08	1.4E-07
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B1.3d
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	4.1E-11	2.4E-08	7.5E-08	7.7E-07	8.7E-07	4.5E-11	2.4E-08	8.1E-08	8.4E-07	9.5E-07
Cumulative ILCR	**2E-07**	**3E-08**	**1E-07**	**8E-06**	**9E-06**	**2E-07**	**3E-08**	**1E-07**	**6E-06**	**6E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3e
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	4.5E-08	NV	NA	2.5E-07	3.0E-07	3.0E-08	NV	NA	1.7E-07	2.0E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	4.3E-10	ND	ND	4.3E-10	1.5E-15	4.3E-10	1.5E-12	3.5E-12	4.3E-10
Isophorone	NC	NC	1.1E-11	2.7E-11	3.8E-11	NC	NC	1.2E-10	2.8E-10	3.9E-10
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	9.2E-15	NV	3.8E-11	9.1E-11	1.3E-10	6.9E-15	NV	2.9E-11	6.9E-11	9.8E-11
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B1.3e
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	2.0E-16	4.2E-12	8.6E-13	1.4E-12	6.4E-12	2.1E-16	4.2E-12	9.2E-13	1.5E-12	6.6E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	5.7E-16	1.1E-11	2.2E-12	3.4E-12	1.6E-11	5.6E-16	1.1E-11	2.1E-12	3.3E-12	1.6E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	3.5E-15	4.9E-13	4.5E-12	2.1E-11	2.6E-11	7.8E-16	4.9E-13	9.9E-13	4.7E-12	6.1E-12
4,4-DDT	1.7E-15	NV	2.2E-12	1.0E-11	1.3E-11	1.7E-15	NV	2.2E-12	1.0E-11	1.3E-11
alpha-Chlordane	2.4E-14	NV	3.4E-11	1.6E-10	1.9E-10	2.4E-14	NV	3.4E-11	1.6E-10	1.9E-10
Dieldrin	1.8E-13	NV	2.3E-10	1.1E-09	1.3E-09	1.8E-13	NV	2.3E-10	1.1E-09	1.3E-09
gamma-Chlordane	2.6E-14	NV	3.6E-11	1.7E-10	2.1E-10	2.6E-14	NV	3.6E-11	1.7E-10	2.1E-10
Polychlorinated Biphenyls										
Total PCBs	2.3E-12	4.4E-09	8.6E-09	1.4E-08	2.7E-08	2.3E-12	4.4E-09	8.5E-09	1.3E-08	2.6E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B1.3e
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	2.1E-11	1.2E-08	1.5E-08	1.2E-07	1.5E-07	2.2E-11	1.2E-08	1.7E-08	1.3E-07	1.6E-07
Cumulative ILCR	**5E-08**	**2E-08**	**2E-08**	**4E-07**	**5E-07**	**3E-08**	**2E-08**	**3E-08**	**3E-07**	**4E-07**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3f
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.6E-05	NV	NA	4.3E-07	1.6E-05	1.0E-05	NV	NA	2.9E-07	1.1E-05
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	5.3E-11	ND	ND	5.3E-11	3.0E-13	5.3E-11	3.5E-11	2.9E-12	9.1E-11
Isophorone	NC	NC	2.7E-10	2.2E-11	2.9E-10	NC	NC	2.8E-09	2.3E-10	3.0E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	1.8E-12	NV	9.1E-10	7.5E-11	9.9E-10	1.4E-12	NV	6.9E-10	5.6E-11	7.5E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B1.3f
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	4.0E-14	5.3E-13	2.0E-11	1.1E-12	2.2E-11	4.3E-14	5.3E-13	2.2E-11	1.2E-12	2.4E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.1E-13	1.3E-12	5.1E-11	2.8E-12	5.5E-11	1.1E-13	1.3E-12	5.0E-11	2.8E-12	5.4E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-13	6.1E-14	1.1E-10	1.7E-11	1.2E-10	1.6E-13	6.1E-14	2.3E-11	3.8E-12	2.7E-11
4,4-DDT	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11
alpha-Chlordane	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10
Dieldrin	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09
gamma-Chlordane	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09
Polychlorinated Biphenyls										
Total PCBs	4.6E-10	5.5E-10	2.1E-07	1.1E-08	2.2E-07	4.5E-10	5.5E-10	2.0E-07	1.1E-08	2.1E-07
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B1.3f
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	4.1E-09	1.5E-09	3.6E-07	9.8E-08	4.6E-07	4.5E-09	1.5E-09	3.9E-07	1.1E-07	5.1E-07
Cumulative ILCR	**2E-05**	**2E-09**	**6E-07**	**5E-07**	**2E-05**	**1E-05**	**2E-09**	**6E-07**	**4E-07**	**1E-05**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.3g
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk
Inorganics						
Antimony	NC	NC	--	NC	NC	--
Chromium, Hexavalent	1.3E-08	NV	1.3E-08	8.5E-09	NV	8.5E-09
Chromium, total	NC	NC	--	NC	NC	--
Copper	NC	NC	--	NC	NC	--
Cyanide	NC	NC	--	NC	NC	--
Lead	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	--	NC	NC	--
Nitrate	NS	NC	--	NC	NC	--
Phosphate	NS	NC	--	NC	NC	--
Thallium	ND	NC	--	NC	NC	--
Zinc	NC	NC	--	NC	NC	--
Volatile Organic Compounds						
Bromomethane	ND	NC	--	NC	NC	--
Chloro methane	ND	NC	--	NC	NC	--
Chloroform	ND	8.1E-11	8.1E-11	4.4E-16	8.1E-11	8.1E-11
Isophorone	NC	NC	--	NC	NC	--
Methyl acetate	ND	NC	--	NC	NC	--
Semi-Volatile Organic Compounds						
4-Methylphenol	NC	NC	--	NC	NC	--
bis (2-ethylhexyl) phthalate	2.7E-15	NV	2.7E-15	2.0E-15	NV	2.0E-15
Butylbenzylphthalate	ND	NC	--	ND	NC	--

Table OCSxBCW-B1.3g
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	5.8E-17	8.0E-13	8.0E-13	6.2E-17	8.0E-13	8.0E-13
2-Methyl naphthalene	NC	NC	--	NC	NC	--
Acenaphthene	NC	NC	--	NC	NC	--
Acenaphthylene	NC	NC	--	NC	NC	--
Anthracene	NC	NC	--	NC	NC	--
Benzo (ghi) perylene	NC	NC	--	NC	NC	--
Fluoranthene	NC	NC	--	NC	NC	--
Fluorene	NC	NC	--	NC	NC	--
Naphthalene	1.6E-16	2.0E-12	2.0E-12	1.6E-16	2.0E-12	2.0E-12
Phenanthrene	NC	NC	--	NC	NC	--
Pyrene	NC	NC	--	NC	NC	--
Pesticides						
4,4-DDE	1.0E-15	9.3E-14	9.4E-14	2.3E-16	9.3E-14	9.3E-14
4,4-DDT	5.0E-16	NV	5.0E-16	5.0E-16	NV	5.0E-16
alpha-Chlordane	7.0E-15	NV	7.0E-15	7.0E-15	NV	7.0E-15
Dieldrin	5.3E-14	NV	5.3E-14	5.3E-14	NV	5.3E-14
gamma-Chlordane	7.6E-15	NV	7.6E-15	7.6E-15	NV	7.6E-15
Polychlorinated Biphenyls						
Total PCBs	6.6E-13	8.4E-10	8.4E-10	6.5E-13	8.4E-10	8.4E-10
Total Petroleum Hydrocarbons						
TPH as diesel	NC	NC	--	NC	NC	--
TPH as motor oil	NC	NC	--	NC	NC	--

Table OCSxBCW-B1.3g
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Total Cancer Risk
Dioxins/Furans						
TEQ Human	5.9E-12	2.3E-09	2.3E-09	6.5E-12	2.3E-09	2.3E-09
Cumulative ILCR	**1E-08**	**3E-09**	**2E-08**	**9E-09**	**3E-09**	**1E-08**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4a
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	3.0E-04	NV	2.2E-03	1.5E-02	1.8E-02	6.0E-05	NV	4.3E-04	2.9E-03	3.4E-03	8.9E-05	NV	6.4E-04	4.4E-03	5.1E-03	7.6E-05	NV	5.5E-04	3.8E-03	4.4E-03
Chromium, Hexavalent	1.8E-02	NV	NA	7.5E-03	2.6E-02	1.2E-02	NV	NA	5.0E-03	1.7E-02	6.4E-03	NV	NA	2.7E-03	9.1E-03	4.2E-03	NV	NA	1.7E-03	5.9E-03
Chromium, total	5.9E-07	NV	4.3E-06	2.9E-05	3.4E-05	9.6E-07	NV	7.0E-06	4.8E-05	5.6E-05	9.5E-07	NV	6.9E-06	4.7E-05	5.5E-05	9.2E-07	NV	6.7E-06	4.6E-05	5.3E-05
Copper	1.9E-05	NV	1.4E-04	9.4E-04	1.1E-03	1.9E-05	NV	1.4E-04	9.3E-04	1.1E-03	1.4E-05	NV	1.0E-04	7.0E-04	8.1E-04	1.1E-05	NV	8.2E-05	5.6E-04	6.6E-04
Cyanide	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	8.9E-04	NV	3.0E-04	2.1E-03	3.3E-03	1.6E-03	NV	5.5E-04	3.8E-03	6.0E-03	2.4E-03	NV	8.3E-04	5.7E-03	8.9E-03	1.7E-03	NV	5.7E-04	3.9E-03	6.1E-03
Nitrate	NS	NV	NS	NS	--	9.7E-08	NV	7.0E-07	4.8E-06	5.6E-06	1.7E-07	NV	1.2E-06	8.2E-06	9.6E-06	1.7E-07	NV	1.2E-06	8.2E-06	9.6E-06
Phosphate	NS	NV	NS	NS	--	1.2E-08	NV	8.7E-08	5.9E-07	6.9E-07	1.2E-08	NV	8.7E-08	5.9E-07	6.9E-07	1.2E-08	NV	8.7E-08	5.9E-07	6.9E-07
Thallium	ND	NV	ND	ND	--	5.8E-04	NV	4.2E-03	2.9E-02	3.4E-02	5.3E-04	NV	3.8E-03	2.6E-02	3.1E-02	5.2E-04	NV	3.8E-03	2.6E-02	3.0E-02
Zinc	3.6E-06	NV	2.6E-05	1.8E-04	2.1E-04	3.8E-06	NV	2.8E-05	1.9E-04	2.2E-04	3.2E-06	NV	2.3E-05	1.6E-04	1.8E-04	2.9E-06	NV	2.1E-05	1.4E-04	1.7E-04
Volatile Organic Compounds																				
Bromomethane	ND	1.0E-05	ND	ND	1.0E-05	5.0E-09	1.0E-05	5.7E-06	3.9E-06	2.0E-05	4.5E-09	1.0E-05	5.2E-06	3.5E-06	1.9E-05	3.4E-09	1.0E-05	3.9E-06	2.7E-06	1.7E-05
Chloro methane	ND	2.5E-06	ND	ND	2.5E-06	9.8E-10	2.5E-06	7.1E-08	4.9E-08	2.6E-06	9.0E-10	2.5E-06	6.5E-08	4.5E-08	2.6E-06	7.1E-10	2.5E-06	5.1E-08	3.5E-08	2.6E-06
Chloroform	ND	1.8E-06	ND	ND	1.8E-06	1.7E-09	1.8E-06	7.3E-08	5.0E-08	1.9E-06	1.5E-09	1.8E-06	6.5E-08	4.5E-08	1.9E-06	1.1E-09	1.8E-06	5.0E-08	3.4E-08	1.9E-06
Isophorone	5.1E-08	NV	6.2E-07	4.2E-07	1.1E-06	5.2E-07	NV	6.3E-06	4.3E-06	1.1E-05	5.2E-07	NV	6.2E-06	4.3E-06	1.1E-05	3.1E-07	NV	3.8E-06	2.6E-06	6.7E-06
Methyl acetate	ND	3.1E-06	ND	ND	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.6E-08	NV	2.8E-06	1.9E-06	4.8E-06	2.1E-08	NV	2.3E-06	1.6E-06	3.9E-06	1.9E-08	NV	2.1E-06	1.4E-06	3.5E-06	1.5E-08	NV	1.7E-06	1.1E-06	2.8E-06
bis (2-ethylhexyl) phthalate	2.9E-07	NV	4.2E-06	2.9E-06	7.4E-06	2.2E-07	NV	3.2E-06	2.2E-06	5.6E-06	3.3E-07	NV	4.8E-06	3.3E-06	8.5E-06	2.3E-07	NV	3.3E-06	2.3E-06	5.9E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.9E-08	NV	4.3E-06	2.9E-06	7.2E-06
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	6.0E-10	4.8E-08	6.5E-08	3.0E-08	1.4E-07	6.4E-10	4.8E-08	7.0E-08	3.2E-08	1.5E-07	6.7E-10	4.8E-08	7.2E-08	3.3E-08	1.5E-07	6.7E-10	4.8E-08	7.3E-08	3.3E-08	1.5E-07
2-Methyl naphthalene	1.4E-08	8.3E-07	1.5E-06	6.7E-07	3.0E-06	1.4E-08	8.3E-07	1.6E-06	7.2E-07	3.1E-06	1.2E-08	8.3E-07	1.3E-06	5.8E-07	2.7E-06	1.2E-08	8.3E-07	1.3E-06	6.0E-07	2.8E-06
Acenaphthene	4.3E-11	1.4E-09	4.6E-09	2.1E-09	8.2E-09	4.2E-11	1.4E-09	4.5E-09	2.1E-09	8.1E-09	4.9E-11	1.4E-09	5.3E-09	2.4E-09	9.2E-09	5.1E-11	1.4E-09	5.5E-09	2.5E-09	9.5E-09
Acenaphthylene	4.5E-11	NV	4.9E-09	2.2E-09	7.2E-09	4.3E-11	NV	4.6E-09	2.1E-09	6.8E-09	4.1E-11	NV	4.4E-09	2.0E-09	6.5E-09	4.0E-11	NV	4.3E-09	2.0E-09	6.3E-09
Anthracene	4.2E-12	2.9E-11	4.6E-10	2.1E-10	7.0E-10	4.1E-12	2.9E-11	4.4E-10	2.0E-10	6.8E-10	3.9E-12	2.9E-11	4.2E-10	1.9E-10	6.5E-10	3.7E-12	2.9E-11	4.0E-10	1.8E-10	6.2E-10
Benzo (ghi) perylene	2.5E-08	NV	2.7E-06	1.2E-06	3.9E-06	2.0E-08	NV	2.2E-06	1.0E-06	3.3E-06	1.6E-08	NV	1.8E-06	8.2E-07	2.6E-06	1.5E-08	NV	1.6E-06	7.3E-07	2.3E-06
Fluoranthene	8.0E-09	NV	8.7E-07	4.0E-07	1.3E-06	6.2E-09	NV	6.8E-07	3.1E-07	9.9E-07	4.6E-09	NV	5.0E-07	2.3E-07	7.3E-07	3.8E-09	NV	4.2E-07	1.9E-07	6.1E-07

Table OCSxBCW-B1.4a
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	6.3E-11	9.4E-10	6.8E-09	3.1E-09	1.1E-08	6.2E-11	9.4E-10	6.7E-09	3.1E-09	1.1E-08	6.1E-11	9.4E-10	6.6E-09	3.0E-09	1.1E-08	6.7E-11	9.4E-10	7.2E-09	3.3E-09	1.2E-08
Naphthalene	3.4E-08	2.4E-06	4.6E-09	2.1E-09	2.4E-06	3.3E-08	2.4E-06	4.5E-09	2.1E-09	2.4E-06	2.9E-08	2.4E-06	3.9E-09	1.8E-09	2.4E-06	2.8E-08	2.4E-06	3.8E-09	1.7E-09	2.4E-06
Phenanthrene	1.0E-10	NV	1.1E-08	5.1E-09	1.6E-08	8.0E-11	NV	8.7E-09	4.0E-09	1.3E-08	5.9E-11	NV	6.4E-09	2.9E-09	9.3E-09	5.2E-11	NV	5.6E-09	2.6E-09	8.2E-09
Pyrene	9.3E-09	7.5E-09	1.0E-06	4.6E-07	1.5E-06	7.2E-09	7.5E-09	7.9E-07	3.6E-07	1.2E-06	5.4E-09	7.5E-09	5.9E-07	2.7E-07	8.7E-07	4.6E-09	7.5E-09	5.0E-07	2.3E-07	7.3E-07
Pesticides																				
4,4-DDE	1.1E-07	5.8E-08	4.0E-06	5.5E-06	9.7E-06	2.5E-08	5.8E-08	8.9E-07	1.2E-06	2.2E-06	2.4E-08	5.8E-08	8.7E-07	1.2E-06	2.1E-06	2.4E-08	5.8E-08	8.5E-07	1.2E-06	2.1E-06
4,4-DDT	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06
alpha-Chlordane	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05
Dieldrin	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05
gamma-Chlordane	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05
Polychlorinated Biphenyls																				
Total PCBs	3.1E-04	2.2E-03	3.3E-02	1.5E-02	5.1E-02	3.0E-04	2.2E-03	3.3E-02	1.5E-02	5.0E-02	2.9E-04	2.2E-03	3.2E-02	1.4E-02	4.9E-02	2.8E-04	2.2E-03	3.1E-02	1.4E-02	4.7E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	5.4E-05	3.8E-02	6.3E-03	4.3E-03	4.8E-02	3.7E-05	3.8E-02	4.4E-03	3.0E-03	4.5E-02	2.6E-05	3.8E-02	3.1E-03	2.1E-03	4.3E-02	1.8E-05	3.8E-02	2.2E-03	1.5E-03	4.1E-02
TPH as motor oil	2.4E-05	NV	1.7E-03	1.2E-03	3.0E-03	1.8E-05	NV	1.3E-03	8.9E-04	2.2E-03	1.4E-05	NV	1.0E-03	7.0E-04	1.7E-03	1.0E-05	NV	7.5E-04	5.1E-04	1.3E-03
Dioxins/Furans																				
TEQ Human	8.3E-05	1.8E-04	9.0E-04	2.0E-03	3.2E-03	9.0E-05	1.8E-04	9.8E-04	2.2E-03	3.5E-03	9.0E-05	1.8E-04	9.8E-04	2.2E-03	3.5E-03	8.6E-05	1.8E-04	9.3E-04	2.1E-03	3.3E-03
Total Hazard Index	**2E-02**	**4E-02**	**4E-02**	**5E-02**	**2E-01**	**1E-02**	**4E-02**	**4E-02**	**6E-02**	**2E-01**	**1E-02**	**4E-02**	**4E-02**	**6E-02**	**2E-01**	**7E-03**	**4E-02**	**4E-02**	**5E-02**	**1E-01**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4b
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	7.6E-06	NV	1.1E-04	3.8E-04	4.9E-04	1.5E-06	NV	2.2E-05	7.4E-05	9.7E-05	2.2E-06	NV	3.2E-05	1.1E-04	1.4E-04	1.9E-06	NV	2.7E-05	9.4E-05	1.2E-04
Chromium, Hexavalent	4.6E-03	NV	NA	1.9E-03	6.5E-03	3.0E-03	NV	NA	1.2E-03	4.2E-03	1.6E-03	NV	NA	6.6E-04	2.3E-03	1.1E-03	NV	NA	4.3E-04	1.5E-03
Chromium, total	1.5E-07	NV	2.1E-06	7.3E-06	9.6E-06	2.4E-07	NV	3.5E-06	1.2E-05	1.6E-05	2.4E-07	NV	3.4E-06	1.2E-05	1.5E-05	2.3E-07	NV	3.3E-06	1.1E-05	1.5E-05
Copper	4.8E-06	NV	6.9E-05	2.4E-04	3.1E-04	4.7E-06	NV	6.8E-05	2.3E-04	3.0E-04	3.5E-06	NV	5.1E-05	1.7E-04	2.3E-04	2.8E-06	NV	4.1E-05	1.4E-04	1.8E-04
Cyanide	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.2E-04	NV	1.5E-04	5.2E-04	8.9E-04	4.1E-04	NV	2.8E-04	9.5E-04	1.6E-03	6.1E-04	NV	4.1E-04	1.4E-03	2.4E-03	4.2E-04	NV	2.8E-04	9.7E-04	1.7E-03
Nitrate	NS	NV	NS	NS	--	2.4E-08	NV	3.5E-07	1.2E-06	1.6E-06	4.1E-08	NV	6.0E-07	2.0E-06	2.7E-06	4.1E-08	NV	6.0E-07	2.0E-06	2.7E-06
Phosphate	NS	NV	NS	NS	--	3.0E-09	NV	4.3E-08	1.5E-07	1.9E-07	3.0E-09	NV	4.3E-08	1.5E-07	1.9E-07	3.0E-09	NV	4.3E-08	1.5E-07	1.9E-07
Thallium	ND	NV	ND	ND	--	1.5E-04	NV	2.1E-03	7.2E-03	9.5E-03	1.3E-04	NV	1.9E-03	6.6E-03	8.6E-03	1.3E-04	NV	1.9E-03	6.5E-03	8.5E-03
Zinc	9.0E-07	NV	1.3E-05	4.4E-05	5.8E-05	9.5E-07	NV	1.4E-05	4.7E-05	6.2E-05	8.0E-07	NV	1.2E-05	4.0E-05	5.2E-05	7.2E-07	NV	1.0E-05	3.6E-05	4.7E-05
Volatile Organic Compounds																				
Bromomethane	ND	1.7E-05	ND	ND	1.7E-05	4.7E-08	1.7E-05	6.1E-06	2.1E-06	2.6E-05	4.3E-08	1.7E-05	5.5E-06	1.9E-06	2.5E-05	3.2E-08	1.7E-05	4.2E-06	1.4E-06	2.3E-05
Chloro methane	ND	5.1E-07	ND	ND	5.1E-07	1.1E-09	5.1E-07	1.6E-07	5.5E-08	7.3E-07	1.0E-09	5.1E-07	1.5E-07	5.1E-08	7.1E-07	8.1E-10	5.1E-07	1.2E-07	4.0E-08	6.7E-07
Chloroform	ND	2.0E-07	ND	ND	2.0E-07	1.0E-09	2.0E-07	3.6E-07	1.2E-07	6.9E-07	9.2E-10	2.0E-07	3.3E-07	1.1E-07	6.4E-07	7.0E-10	2.0E-07	2.5E-07	8.5E-08	5.3E-07
Isophorone	1.3E-08	NV	4.6E-06	1.6E-06	6.2E-06	1.3E-07	NV	4.7E-05	1.6E-05	6.4E-05	1.3E-07	NV	4.7E-05	1.6E-05	6.3E-05	7.8E-08	NV	2.8E-05	9.7E-06	3.8E-05
Methyl acetate	ND	3.5E-09	ND	ND	3.5E-09	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08
Semi-Volatile Organic Compounds																				
4-Methylphenol	6.5E-09	NV	1.4E-06	4.9E-07	1.9E-06	5.3E-09	NV	1.1E-06	3.9E-07	1.5E-06	4.8E-09	NV	1.0E-06	3.5E-07	1.4E-06	3.9E-09	NV	8.4E-07	2.9E-07	1.1E-06
bis (2-ethylhexyl) phthalate	7.3E-08	NV	1.1E-05	3.6E-06	1.4E-05	5.5E-08	NV	8.0E-06	2.7E-06	1.1E-05	8.4E-08	NV	1.2E-05	4.1E-06	1.6E-05	5.8E-08	NV	8.4E-06	2.9E-06	1.1E-05
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	1.5E-07	NV	2.1E-05	7.3E-06	2.9E-05
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.5E-10	2.2E-09	3.3E-08	7.4E-09	4.2E-08	1.6E-10	2.2E-09	3.5E-08	7.9E-09	4.5E-08	1.7E-10	2.2E-09	3.6E-08	8.3E-09	4.7E-08	1.7E-10	2.2E-09	3.7E-08	8.3E-09	4.7E-08
2-Methyl naphthalene	3.4E-09	3.8E-08	7.4E-07	1.7E-07	9.5E-07	3.6E-09	3.8E-08	7.8E-07	1.8E-07	1.0E-06	2.9E-09	3.8E-08	6.4E-07	1.5E-07	8.2E-07	3.0E-09	3.8E-08	6.6E-07	1.5E-07	8.5E-07
Acenaphthene	1.1E-10	6.5E-10	2.3E-08	5.3E-09	2.9E-08	1.0E-10	6.5E-10	2.3E-08	5.2E-09	2.9E-08	1.2E-10	6.5E-10	2.6E-08	6.0E-09	3.3E-08	1.3E-10	6.5E-10	2.7E-08	6.3E-09	3.4E-08
Acenaphthylene	1.1E-10	NV	2.4E-08	5.6E-09	3.0E-08	1.1E-10	NV	2.3E-08	5.3E-09	2.9E-08	1.0E-10	NV	2.2E-08	5.0E-09	2.7E-08	1.0E-10	NV	2.2E-08	4.9E-09	2.7E-08
Anthracene	3.5E-11	4.5E-11	7.7E-09	1.7E-09	9.5E-09	3.4E-11	4.5E-11	7.4E-09	1.7E-09	9.1E-09	3.2E-11	4.5E-11	7.0E-09	1.6E-09	8.7E-09	3.1E-11	4.5E-11	6.7E-09	1.5E-09	8.3E-09
Benzo (ghi) perylene	6.2E-09	NV	1.3E-06	3.1E-07	1.7E-06	5.1E-09	NV	1.1E-06	2.5E-07	1.4E-06	4.1E-09	NV	8.9E-07	2.0E-07	1.1E-06	3.7E-09	NV	8.0E-07	1.8E-07	9.8E-07
Fluoranthene	2.0E-08	NV	4.3E-06	9.9E-07	5.3E-06	1.6E-08	NV	3.4E-06	7.7E-07	4.2E-06	1.2E-08	NV	2.5E-06	5.7E-07	3.1E-06	9.6E-09	NV	2.1E-06	4.7E-07	2.6E-06

Table OCSxBCW-B1.4b
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	1.6E-10	4.3E-10	3.4E-08	7.8E-09	4.2E-08	1.5E-10	4.3E-10	3.3E-08	7.6E-09	4.2E-08	1.5E-10	4.3E-10	3.3E-08	7.6E-09	4.1E-08	1.7E-10	4.3E-10	3.6E-08	8.3E-09	4.5E-08
Naphthalene	8.5E-09	1.1E-07	6.9E-08	1.6E-08	2.0E-07	8.3E-09	1.1E-07	6.8E-08	1.5E-08	2.0E-07	7.2E-09	1.1E-07	5.9E-08	1.3E-08	1.9E-07	7.0E-09	1.1E-07	5.7E-08	1.3E-08	1.9E-07
Phenanthrene	8.6E-10	NV	1.9E-07	4.3E-08	2.3E-07	6.7E-10	NV	1.4E-07	3.3E-08	1.8E-07	4.9E-10	NV	1.1E-07	2.4E-08	1.3E-07	4.3E-10	NV	9.4E-08	2.1E-08	1.2E-07
Pyrene	2.3E-08	3.4E-09	5.0E-06	1.1E-06	6.2E-06	1.8E-08	3.4E-09	3.9E-06	9.0E-07	4.9E-06	1.4E-08	3.4E-09	3.0E-06	6.7E-07	3.6E-06	1.1E-08	3.4E-09	2.5E-06	5.7E-07	3.1E-06
Pesticides																				
4,4-DDE	2.8E-08	2.6E-09	2.0E-06	1.4E-06	3.4E-06	6.2E-09	2.6E-09	4.5E-07	3.1E-07	7.6E-07	6.0E-09	2.6E-09	4.3E-07	3.0E-07	7.4E-07	5.9E-09	2.6E-09	4.3E-07	2.9E-07	7.3E-07
4,4-DDT	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06
alpha-Chlordane	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06
Dieldrin	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05
gamma-Chlordane	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06
Polychlorinated Biphenyls																				
Total PCBs	7.7E-05	1.0E-04	1.7E-02	3.8E-03	2.1E-02	7.6E-05	1.0E-04	1.6E-02	3.7E-03	2.0E-02	7.3E-05	1.0E-04	1.6E-02	3.6E-03	2.0E-02	7.1E-05	1.0E-04	1.5E-02	3.5E-03	1.9E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	1.3E-05	1.7E-03	3.2E-03	1.1E-03	6.0E-03	9.3E-06	1.7E-03	2.2E-03	7.5E-04	4.7E-03	6.5E-06	1.7E-03	1.5E-03	5.3E-04	3.8E-03	4.6E-06	1.7E-03	1.1E-03	3.7E-04	3.2E-03
TPH as motor oil	6.0E-06	NV	8.7E-04	3.0E-04	1.2E-03	4.5E-06	NV	6.5E-04	2.2E-04	8.8E-04	3.5E-06	NV	5.1E-04	1.7E-04	6.9E-04	2.6E-06	NV	3.7E-04	1.3E-04	5.0E-04
Dioxins/Furans																				
TEQ Human	2.1E-05	8.3E-06	1.3E-02	1.5E-02	2.7E-02	2.3E-05	8.3E-06	1.4E-02	1.6E-02	3.0E-02	2.3E-05	8.3E-06	1.4E-02	1.6E-02	3.0E-02	2.1E-05	8.3E-06	1.3E-02	1.5E-02	2.8E-02
Total Hazard Index	**5E-03**	**2E-03**	**3E-02**	**2E-02**	**6E-02**	**4E-03**	**2E-03**	**4E-02**	**3E-02**	**7E-02**	**2E-03**	**2E-03**	**3E-02**	**3E-02**	**7E-02**	**2E-03**	**2E-03**	**3E-02**	**3E-02**	**6E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4c
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	1.3E-08	NV	2.8E-05	9.7E-04	1.0E-03	1.3E-08	NV	3.8E-06	9.1E-05	9.5E-05	2.6E-09	NV	5.5E-06	1.9E-04	2.0E-04	2.6E-09	NV	7.5E-07	1.8E-05	1.9E-05
Chromium, Hexavalent	8.1E-06	NV	NA	4.9E-03	4.9E-03	8.1E-06	NV	NA	4.6E-04	4.7E-04	5.3E-06	NV	NA	3.2E-03	3.2E-03	5.3E-06	NV	NA	3.0E-04	3.1E-04
Chromium, total	2.6E-10	NV	5.5E-07	1.9E-05	2.0E-05	2.6E-10	NV	7.5E-08	1.8E-06	1.9E-06	4.2E-10	NV	8.9E-07	3.1E-05	3.2E-05	4.2E-10	NV	1.2E-07	2.9E-06	3.0E-06
Copper	8.4E-09	NV	1.8E-05	6.1E-04	6.3E-04	8.4E-09	NV	2.4E-06	5.7E-05	5.9E-05	8.3E-09	NV	1.7E-05	6.0E-04	6.2E-04	8.3E-09	NV	2.4E-06	5.6E-05	5.9E-05
Cyanide	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	3.9E-07	NV	3.9E-05	1.3E-03	1.4E-03	3.9E-07	NV	5.3E-06	1.3E-04	1.3E-04	7.2E-07	NV	7.1E-05	2.4E-03	2.5E-03	7.2E-07	NV	9.7E-06	2.3E-04	2.4E-04
Nitrate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	4.3E-11	NV	9.0E-08	3.1E-06	3.2E-06	4.3E-11	NV	1.2E-08	2.9E-07	3.0E-07
Phosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	5.3E-12	NV	1.1E-08	3.8E-07	3.9E-07	5.3E-12	NV	1.5E-09	3.6E-08	3.7E-08
Thallium	ND	NV	ND	ND	--	ND	NV	ND	ND	--	2.6E-07	NV	5.4E-04	1.9E-02	1.9E-02	2.6E-07	NV	7.4E-05	1.7E-03	1.8E-03
Zinc	1.6E-09	NV	3.3E-06	1.1E-04	1.2E-04	1.6E-09	NV	4.6E-07	1.1E-05	1.1E-05	1.7E-09	NV	3.5E-06	1.2E-04	1.3E-04	1.7E-09	NV	4.8E-07	1.1E-05	1.2E-05
Volatile Organic Compounds																				
Bromomethane	ND	4.5E-05	ND	ND	4.5E-05	ND	4.5E-05	ND	ND	4.5E-05	8.4E-11	4.5E-05	1.6E-06	5.4E-06	5.2E-05	8.4E-11	4.5E-05	2.1E-07	5.1E-07	4.5E-05
Chloro methane	ND	1.3E-06	ND	ND	1.3E-06	ND	1.3E-06	ND	ND	1.3E-06	2.0E-12	1.3E-06	4.1E-08	1.4E-07	1.5E-06	2.0E-12	1.3E-06	5.7E-09	1.3E-08	1.3E-06
Chloroform	ND	5.1E-07	ND	ND	5.1E-07	ND	5.1E-07	ND	ND	5.1E-07	1.8E-12	5.1E-07	9.3E-08	3.2E-07	9.3E-07	1.8E-12	5.1E-07	1.3E-08	3.0E-08	5.5E-07
Isophorone	2.3E-11	NV	1.2E-06	4.1E-06	5.3E-06	2.3E-11	NV	1.6E-07	3.8E-07	5.5E-07	2.3E-10	NV	1.2E-05	4.2E-05	5.4E-05	2.3E-10	NV	1.7E-06	3.9E-06	5.6E-06
Methyl acetate	ND	9.1E-09	ND	ND	9.1E-09	ND	9.1E-09	ND	ND	9.1E-09	6.8E-14	9.1E-09	1.4E-09	5.0E-09	1.6E-08	6.8E-14	9.1E-09	2.0E-10	4.7E-10	9.8E-09
Semi-Volatile Organic Compounds																				
4-Methylphenol	1.2E-11	NV	3.6E-07	1.3E-06	1.6E-06	1.2E-11	NV	5.0E-08	1.2E-07	1.7E-07	9.3E-12	NV	2.9E-07	1.0E-06	1.3E-06	9.3E-12	NV	4.0E-08	9.5E-08	1.3E-07
bis (2-ethylhexyl) phthalate	1.3E-10	NV	2.7E-06	9.4E-06	1.2E-05	1.3E-10	NV	3.7E-07	8.8E-07	1.2E-06	9.7E-11	NV	2.0E-06	7.0E-06	9.1E-06	9.7E-11	NV	2.8E-07	6.6E-07	9.4E-07
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	2.6E-13	5.6E-09	8.4E-09	1.9E-08	3.3E-08	2.6E-13	5.6E-09	1.1E-09	1.8E-09	8.5E-09	2.8E-13	5.6E-09	8.9E-09	2.1E-08	3.5E-08	2.8E-13	5.6E-09	1.2E-09	1.9E-09	8.7E-09
2-Methyl naphthalene	6.0E-12	9.8E-08	1.9E-07	4.4E-07	7.2E-07	6.0E-12	9.8E-08	2.6E-08	4.1E-08	1.6E-07	6.4E-12	9.8E-08	2.0E-07	4.6E-07	7.6E-07	6.4E-12	9.8E-08	2.7E-08	4.3E-08	1.7E-07
Acenaphthene	1.9E-13	1.7E-09	5.9E-09	1.4E-08	2.1E-08	1.9E-13	1.7E-09	8.1E-10	1.3E-09	3.8E-09	1.8E-13	1.7E-09	5.8E-09	1.3E-08	2.1E-08	1.8E-13	1.7E-09	7.9E-10	1.3E-09	3.7E-09
Acenaphthylene	2.0E-13	NV	6.3E-09	1.4E-08	2.1E-08	2.0E-13	NV	8.6E-10	1.4E-09	2.2E-09	1.9E-13	NV	6.0E-09	1.4E-08	2.0E-08	1.9E-13	NV	8.1E-10	1.3E-09	2.1E-09
Anthracene	6.2E-14	1.1E-10	2.0E-09	4.5E-09	6.6E-09	6.2E-14	1.1E-10	2.7E-10	4.2E-10	8.1E-10	6.0E-14	1.1E-10	1.9E-09	4.3E-09	6.3E-09	6.0E-14	1.1E-10	2.6E-10	4.1E-10	7.8E-10
Benzo (ghi) perylene	1.1E-11	NV	3.4E-07	7.9E-07	1.1E-06	1.1E-11	NV	4.7E-08	7.4E-08	1.2E-07	9.0E-12	NV	2.8E-07	6.5E-07	9.4E-07	9.0E-12	NV	3.9E-08	6.1E-08	1.0E-07
Fluoranthene	3.5E-11	NV	1.1E-06	2.6E-06	3.7E-06	3.5E-11	NV	1.5E-07	2.4E-07	3.9E-07	2.7E-11	NV	8.7E-07	2.0E-06	2.9E-06	2.7E-11	NV	1.2E-07	1.9E-07	3.1E-07

Table OCSxBCW-B1.4c
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	2.8E-13	1.1E-09	8.7E-09	2.0E-08	3.0E-08	2.8E-13	1.1E-09	1.2E-09	1.9E-09	4.2E-09	2.7E-13	1.1E-09	8.6E-09	2.0E-08	2.9E-08	2.7E-13	1.1E-09	1.2E-09	1.8E-09	4.1E-09
Naphthalene	1.5E-11	2.8E-07	1.8E-08	4.1E-08	3.4E-07	1.5E-11	2.8E-07	2.4E-09	3.8E-09	2.9E-07	1.5E-11	2.8E-07	1.7E-08	4.0E-08	3.4E-07	1.5E-11	2.8E-07	2.4E-09	3.8E-09	2.9E-07
Phenanthrene	1.5E-12	NV	4.8E-08	1.1E-07	1.6E-07	1.5E-12	NV	6.5E-09	1.0E-08	1.7E-08	1.2E-12	NV	3.7E-08	8.5E-08	1.2E-07	1.2E-12	NV	5.1E-09	8.0E-09	1.3E-08
Pyrene	4.1E-11	8.9E-09	1.3E-06	3.0E-06	4.3E-06	4.1E-11	8.9E-09	1.8E-07	2.8E-07	4.6E-07	3.2E-11	8.9E-09	1.0E-06	2.3E-06	3.3E-06	3.2E-11	8.9E-09	1.4E-07	2.2E-07	3.6E-07
Pesticides																				
4,4-DDE	8.2E-11	1.1E-08	8.6E-07	5.9E-06	6.8E-06	8.2E-11	1.1E-08	1.2E-07	5.6E-07	6.9E-07	1.8E-11	1.1E-08	1.9E-07	1.3E-06	1.5E-06	1.8E-11	1.1E-08	2.6E-08	1.2E-07	1.6E-07
4,4-DDT	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07
alpha-Chlordane	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07
Dieldrin	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06
gamma-Chlordane	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07
Polychlorinated Biphenyls																				
Total PCBs	1.4E-07	2.6E-04	4.3E-03	9.8E-03	1.4E-02	1.4E-07	2.6E-04	5.8E-04	9.2E-04	1.8E-03	1.3E-07	2.6E-04	4.2E-03	9.7E-03	1.4E-02	1.3E-07	2.6E-04	5.8E-04	9.1E-04	1.7E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	2.4E-08	4.4E-03	8.1E-04	2.8E-03	8.0E-03	2.4E-08	4.4E-03	1.1E-04	2.6E-04	4.8E-03	1.6E-08	4.4E-03	5.6E-04	1.9E-03	6.9E-03	1.6E-08	4.4E-03	7.7E-05	1.8E-04	4.7E-03
TPH as motor oil	1.1E-08	NV	2.2E-04	7.7E-04	1.0E-03	1.1E-08	NV	3.1E-05	7.3E-05	1.0E-04	7.9E-09	NV	1.7E-04	5.7E-04	7.4E-04	7.9E-09	NV	2.3E-05	5.4E-05	7.7E-05
Dioxins/Furans																				
TEQ Human	3.6E-08	2.1E-05	3.3E-03	3.8E-02	4.1E-02	3.6E-08	2.1E-05	4.5E-04	3.5E-03	4.0E-03	4.0E-08	2.1E-05	3.6E-03	4.1E-02	4.5E-02	4.0E-08	2.1E-05	4.9E-04	3.9E-03	4.4E-03
Total Hazard Index	**9E-06**	**5E-03**	**9E-03**	**6E-02**	**7E-02**	**9E-06**	**5E-03**	**1E-03**	**6E-03**	**1E-02**	**6E-06**	**5E-03**	**9E-03**	**8E-02**	**9E-02**	**6E-06**	**5E-03**	**1E-03**	**7E-03**	**1E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4d
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.7E-08	NV	5.6E-05	1.9E-03	2.0E-03	2.7E-08	NV	7.7E-06	1.8E-04	1.9E-04	5.3E-09	NV	1.1E-05	3.8E-04	3.9E-04	5.3E-09	NV	1.5E-06	3.6E-05	3.7E-05
Chromium, Hexavalent	1.6E-05	NV	NA	9.8E-03	9.8E-03	1.6E-05	NV	NA	9.2E-04	9.3E-04	1.1E-05	NV	NA	6.4E-03	6.4E-03	1.1E-05	NV	NA	6.0E-04	6.1E-04
Chromium, total	5.2E-10	NV	1.1E-06	3.8E-05	3.9E-05	5.2E-10	NV	1.5E-07	3.6E-06	3.7E-06	8.5E-10	NV	1.8E-06	6.2E-05	6.3E-05	8.5E-10	NV	2.4E-07	5.8E-06	6.0E-06
Copper	1.7E-08	NV	3.5E-05	1.2E-03	1.3E-03	1.7E-08	NV	4.8E-06	1.1E-04	1.2E-04	1.7E-08	NV	3.5E-05	1.2E-03	1.2E-03	1.7E-08	NV	4.7E-06	1.1E-04	1.2E-04
Cyanide	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	7.8E-07	NV	7.7E-05	2.7E-03	2.7E-03	7.8E-07	NV	1.1E-05	2.5E-04	2.6E-04	1.4E-06	NV	1.4E-04	4.9E-03	5.0E-03	1.4E-06	NV	1.9E-05	4.6E-04	4.8E-04
Nitrate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	8.6E-11	NV	1.8E-07	6.2E-06	6.4E-06	8.6E-11	NV	2.5E-08	5.8E-07	6.1E-07
Phosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	1.1E-11	NV	2.2E-08	7.7E-07	7.9E-07	1.1E-11	NV	3.0E-09	7.2E-08	7.5E-08
Thallium	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.1E-07	NV	1.1E-03	3.7E-02	3.8E-02	5.1E-07	NV	1.5E-04	3.5E-03	3.6E-03
Zinc	3.2E-09	NV	6.7E-06	2.3E-04	2.4E-04	3.2E-09	NV	9.1E-07	2.2E-05	2.2E-05	3.4E-09	NV	7.1E-06	2.4E-04	2.5E-04	3.4E-09	NV	9.6E-07	2.3E-05	2.4E-05
Volatile Organic Compounds																				
Bromomethane	ND	8.9E-05	ND	ND	8.9E-05	ND	8.9E-05	ND	ND	8.9E-05	1.7E-10	8.9E-05	3.1E-06	1.1E-05	1.0E-04	1.7E-10	8.9E-05	4.3E-07	1.0E-06	9.1E-05
Chloro methane	ND	2.6E-06	ND	ND	2.6E-06	ND	2.6E-06	ND	ND	2.6E-06	3.9E-12	2.6E-06	8.3E-08	2.9E-07	3.0E-06	3.9E-12	2.6E-06	1.1E-08	2.7E-08	2.7E-06
Chloroform	ND	1.0E-06	ND	ND	1.0E-06	ND	1.0E-06	ND	ND	1.0E-06	3.6E-12	1.0E-06	1.9E-07	6.4E-07	1.9E-06	3.6E-12	1.0E-06	2.5E-08	6.0E-08	1.1E-06
Isophorone	4.5E-11	NV	2.4E-06	8.2E-06	1.1E-05	4.5E-11	NV	3.2E-07	7.7E-07	1.1E-06	4.6E-10	NV	2.4E-05	8.4E-05	1.1E-04	4.6E-10	NV	3.3E-06	7.8E-06	1.1E-05
Methyl acetate	ND	1.8E-08	ND	ND	1.8E-08	ND	1.8E-08	ND	ND	1.8E-08	1.4E-13	1.8E-08	2.9E-09	9.9E-09	3.1E-08	1.4E-13	1.8E-08	3.9E-10	9.3E-10	2.0E-08
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-11	NV	7.3E-07	2.5E-06	3.2E-06	2.3E-11	NV	9.9E-08	2.4E-07	3.4E-07	1.9E-11	NV	5.8E-07	2.0E-06	2.6E-06	1.9E-11	NV	8.0E-08	1.9E-07	2.7E-07
bis (2-ethylhexyl) phthalate	2.6E-10	NV	5.4E-06	1.9E-05	2.4E-05	2.6E-10	NV	7.4E-07	1.8E-06	2.5E-06	1.9E-10	NV	4.1E-06	1.4E-05	1.8E-05	1.9E-10	NV	5.6E-07	1.3E-06	1.9E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	5.3E-13	1.1E-08	1.7E-08	3.8E-08	6.6E-08	5.3E-13	1.1E-08	2.3E-09	3.6E-09	1.7E-08	5.7E-13	1.1E-08	1.8E-08	4.1E-08	7.0E-08	5.7E-13	1.1E-08	2.4E-09	3.9E-09	1.7E-08
2-Methyl naphthalene	1.2E-11	2.0E-07	3.8E-07	8.7E-07	1.4E-06	1.2E-11	2.0E-07	5.2E-08	8.2E-08	3.3E-07	1.3E-11	2.0E-07	4.0E-07	9.2E-07	1.5E-06	1.3E-11	2.0E-07	5.5E-08	8.7E-08	3.4E-07
Acenaphthene	3.8E-13	3.3E-09	1.2E-08	2.7E-08	4.2E-08	3.8E-13	3.3E-09	1.6E-09	2.6E-09	7.5E-09	3.7E-13	3.3E-09	1.2E-08	2.7E-08	4.2E-08	3.7E-13	3.3E-09	1.6E-09	2.5E-09	7.4E-09
Acenaphthylene	4.0E-13	NV	1.3E-08	2.9E-08	4.1E-08	4.0E-13	NV	1.7E-09	2.7E-09	4.4E-09	3.8E-13	NV	1.2E-08	2.7E-08	3.9E-08	3.8E-13	NV	1.6E-09	2.6E-09	4.2E-09
Anthracene	1.2E-13	2.3E-10	3.9E-09	9.0E-09	1.3E-08	1.2E-13	2.3E-10	5.4E-10	8.5E-10	1.6E-09	1.2E-13	2.3E-10	3.8E-09	8.7E-09	1.3E-08	1.2E-13	2.3E-10	5.2E-10	8.1E-10	1.6E-09
Benzo (ghi) perylene	2.2E-11	NV	6.9E-07	1.6E-06	2.3E-06	2.2E-11	NV	9.4E-08	1.5E-07	2.4E-07	1.8E-11	NV	5.7E-07	1.3E-06	1.9E-06	1.8E-11	NV	7.8E-08	1.2E-07	2.0E-07
Fluoranthene	7.1E-11	NV	2.2E-06	5.1E-06	7.3E-06	7.1E-11	NV	3.0E-07	4.8E-07	7.8E-07	5.5E-11	NV	1.7E-06	4.0E-06	5.7E-06	5.5E-11	NV	2.4E-07	3.7E-07	6.1E-07

Table OCSxBCW-B1.4d
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	5.5E-13	2.2E-09	1.7E-08	4.0E-08	6.0E-08	5.5E-13	2.2E-09	2.4E-09	3.8E-09	8.4E-09	5.4E-13	2.2E-09	1.7E-08	3.9E-08	5.9E-08	5.4E-13	2.2E-09	2.3E-09	3.7E-09	8.2E-09
Naphthalene	3.0E-11	5.7E-07	3.5E-08	8.1E-08	6.8E-07	3.0E-11	5.7E-07	4.8E-09	7.6E-09	5.8E-07	2.9E-11	5.7E-07	3.5E-08	8.0E-08	6.8E-07	2.9E-11	5.7E-07	4.8E-09	7.5E-09	5.8E-07
Phenanthrene	3.0E-12	NV	9.6E-08	2.2E-07	3.2E-07	3.0E-12	NV	1.3E-08	2.1E-08	3.4E-08	2.4E-12	NV	7.4E-08	1.7E-07	2.4E-07	2.4E-12	NV	1.0E-08	1.6E-08	2.6E-08
Pyrene	8.2E-11	1.8E-08	2.6E-06	5.9E-06	8.5E-06	8.2E-11	1.8E-08	3.5E-07	5.6E-07	9.2E-07	6.4E-11	1.8E-08	2.0E-06	4.6E-06	6.7E-06	6.4E-11	1.8E-08	2.8E-07	4.3E-07	7.3E-07
Pesticides																				
4,4-DDE	1.6E-10	2.3E-08	1.7E-06	1.2E-05	1.4E-05	1.6E-10	2.3E-08	2.4E-07	1.1E-06	1.4E-06	3.6E-11	2.3E-08	3.8E-07	2.6E-06	3.0E-06	3.6E-11	2.3E-08	5.2E-08	2.5E-07	3.2E-07
4,4-DDT	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07
alpha-Chlordane	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06
Dieldrin	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06
gamma-Chlordane	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06
Polychlorinated Biphenyls																				
Total PCBs	2.7E-07	5.2E-04	8.5E-03	2.0E-02	2.9E-02	2.7E-07	5.2E-04	1.2E-03	1.8E-03	3.5E-03	2.7E-07	5.2E-04	8.4E-03	1.9E-02	2.8E-02	2.7E-07	5.2E-04	1.2E-03	1.8E-03	3.5E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	4.7E-08	8.9E-03	1.6E-03	5.6E-03	1.6E-02	4.7E-08	8.9E-03	2.2E-04	5.2E-04	9.6E-03	3.3E-08	8.9E-03	1.1E-03	3.9E-03	1.4E-02	3.3E-08	8.9E-03	1.5E-04	3.6E-04	9.4E-03
TPH as motor oil	2.1E-08	NV	4.5E-04	1.5E-03	2.0E-03	2.1E-08	NV	6.1E-05	1.5E-04	2.1E-04	1.6E-08	NV	3.3E-04	1.1E-03	1.5E-03	1.6E-08	NV	4.5E-05	1.1E-04	1.5E-04
Dioxins/Furans																				
TEQ Human	7.3E-08	4.3E-05	6.6E-03	7.5E-02	8.2E-02	7.3E-08	4.3E-05	9.0E-04	7.1E-03	8.0E-03	8.0E-08	4.3E-05	7.2E-03	8.2E-02	9.0E-02	8.0E-08	4.3E-05	9.8E-04	7.7E-03	8.8E-03
Total Hazard Index	**2E-05**	**1E-02**	**2E-02**	**1E-01**	**1E-01**	**2E-05**	**1E-02**	**2E-03**	**1E-02**	**2E-02**	**1E-05**	**1E-02**	**2E-02**	**2E-01**	**2E-01**	**1E-05**	**1E-02**	**3E-03**	**1E-02**	**3E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4e
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics										
Antimony	1.3E-08	NV	3.8E-06	9.1E-05	9.5E-05	2.6E-09	NV	7.5E-07	1.8E-05	1.9E-05
Chromium, Hexavalent	8.1E-06	NV	NA	4.6E-04	4.7E-04	5.3E-06	NV	NA	3.0E-04	3.1E-04
Chromium, total	2.6E-10	NV	7.5E-08	1.8E-06	1.9E-06	4.2E-10	NV	1.2E-07	2.9E-06	3.0E-06
Copper	8.4E-09	NV	2.4E-06	5.7E-05	5.9E-05	8.3E-09	NV	2.4E-06	5.6E-05	5.9E-05
Cyanide	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	3.9E-07	NV	5.3E-06	1.3E-04	1.3E-04	7.2E-07	NV	9.7E-06	2.3E-04	2.4E-04
Nitrate	NS	NV	NS	NS	--	4.3E-11	NV	1.2E-08	2.9E-07	3.0E-07
Phosphate	NS	NV	NS	NS	--	5.3E-12	NV	1.5E-09	3.6E-08	3.7E-08
Thallium	ND	NV	ND	ND	--	2.6E-07	NV	7.4E-05	1.7E-03	1.8E-03
Zinc	1.6E-09	NV	4.6E-07	1.1E-05	1.1E-05	1.7E-09	NV	4.8E-07	1.1E-05	1.2E-05
Volatile Organic Compounds										
Bromomethane	ND	4.5E-05	ND	ND	4.5E-05	8.4E-11	4.5E-05	2.1E-07	5.1E-07	4.5E-05
Chloro methane	ND	1.3E-06	ND	ND	1.3E-06	2.0E-12	1.3E-06	5.7E-09	1.3E-08	1.3E-06
Chloroform	ND	5.1E-07	ND	ND	5.1E-07	1.8E-12	5.1E-07	1.3E-08	3.0E-08	5.5E-07
Isophorone	2.3E-11	NV	1.6E-07	3.8E-07	5.5E-07	2.3E-10	NV	1.7E-06	3.9E-06	5.6E-06
Methyl acetate	ND	9.1E-09	ND	ND	9.1E-09	6.8E-14	9.1E-09	2.0E-10	4.7E-10	9.8E-09
Semi-Volatile Organic Compounds										
4-Methylphenol	1.2E-11	NV	5.0E-08	1.2E-07	1.7E-07	9.3E-12	NV	4.0E-08	9.5E-08	1.3E-07
bis (2-ethylhexyl) phthalate	1.3E-10	NV	3.7E-07	8.8E-07	1.2E-06	9.7E-11	NV	2.8E-07	6.6E-07	9.4E-07
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--

Table OCSxBCW-B1.4e
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	2.6E-13	5.6E-09	1.1E-09	1.8E-09	8.5E-09	2.8E-13	5.6E-09	1.2E-09	1.9E-09	8.7E-09
2-Methyl naphthalene	6.0E-12	9.8E-08	2.6E-08	4.1E-08	1.6E-07	6.4E-12	9.8E-08	2.7E-08	4.3E-08	1.7E-07
Acenaphthene	1.9E-13	1.7E-09	8.1E-10	1.3E-09	3.8E-09	1.8E-13	1.7E-09	7.9E-10	1.3E-09	3.7E-09
Acenaphthylene	2.0E-13	NV	8.6E-10	1.4E-09	2.2E-09	1.9E-13	NV	8.1E-10	1.3E-09	2.1E-09
Anthracene	6.2E-14	1.1E-10	2.7E-10	4.2E-10	8.1E-10	6.0E-14	1.1E-10	2.6E-10	4.1E-10	7.8E-10
Benzo (ghi) perylene	1.1E-11	NV	4.7E-08	7.4E-08	1.2E-07	9.0E-12	NV	3.9E-08	6.1E-08	1.0E-07
Fluoranthene	3.5E-11	NV	1.5E-07	2.4E-07	3.9E-07	2.7E-11	NV	1.2E-07	1.9E-07	3.1E-07
Fluorene	2.8E-13	1.1E-09	1.2E-09	1.9E-09	4.2E-09	2.7E-13	1.1E-09	1.2E-09	1.8E-09	4.1E-09
Naphthalene	1.5E-11	2.8E-07	2.4E-09	3.8E-09	2.9E-07	1.5E-11	2.8E-07	2.4E-09	3.8E-09	2.9E-07
Phenanthrene	1.5E-12	NV	6.5E-09	1.0E-08	1.7E-08	1.2E-12	NV	5.1E-09	8.0E-09	1.3E-08
Pyrene	4.1E-11	8.9E-09	1.8E-07	2.8E-07	4.6E-07	3.2E-11	8.9E-09	1.4E-07	2.2E-07	3.6E-07
Pesticides										
4,4-DDE	8.2E-11	1.1E-08	1.2E-07	5.6E-07	6.9E-07	1.8E-11	1.1E-08	2.6E-08	1.2E-07	1.6E-07
4,4-DDT	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07
alpha-Chlordane	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07
Dieldrin	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06
gamma-Chlordane	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07
Polychlorinated Biphenyls										
Total PCBs	1.4E-07	2.6E-04	5.8E-04	9.2E-04	1.8E-03	1.3E-07	2.6E-04	5.8E-04	9.1E-04	1.7E-03
Total Petroleum Hydrocarbons										
TPH as diesel	2.4E-08	4.4E-03	1.1E-04	2.6E-04	4.8E-03	1.6E-08	4.4E-03	7.7E-05	1.8E-04	4.7E-03
TPH as motor oil	1.1E-08	NV	3.1E-05	7.3E-05	1.0E-04	7.9E-09	NV	2.3E-05	5.4E-05	7.7E-05

Table OCSxBCW-B1.4e
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Hunter

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Adult Hunter (0 to 0.5 feet bgs)[a]					Adult Hunter (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Dioxins/Furans										
TEQ Human	3.6E-08	2.1E-05	4.5E-04	3.5E-03	4.0E-03	4.0E-08	2.1E-05	4.9E-04	3.9E-03	4.4E-03
Total Hazard Index	**9E-06**	**5E-03**	**1E-03**	**6E-03**	**1E-02**	**6E-06**	**5E-03**	**1E-03**	**7E-03**	**1E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4f
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.7E-06	NV	1.0E-04	1.4E-04	2.4E-04	2.7E-06	NV	8.8E-05	5.6E-05	1.5E-04	5.3E-07	NV	2.0E-05	2.7E-05	4.7E-05	5.3E-07	NV	1.7E-05	1.1E-05	2.9E-05
Chromium, Hexavalent	1.6E-03	NV	NA	6.9E-04	2.3E-03	1.6E-03	NV	NA	2.8E-04	1.9E-03	1.1E-03	NV	NA	4.5E-04	1.5E-03	1.1E-03	NV	NA	1.9E-04	1.3E-03
Chromium, total	5.3E-08	NV	2.0E-06	2.7E-06	4.7E-06	5.3E-08	NV	1.7E-06	1.1E-06	2.9E-06	8.5E-08	NV	3.2E-06	4.3E-06	7.7E-06	8.5E-08	NV	2.8E-06	1.8E-06	4.7E-06
Copper	1.7E-06	NV	6.4E-05	8.6E-05	1.5E-04	1.7E-06	NV	5.5E-05	3.5E-05	9.2E-05	1.7E-06	NV	6.3E-05	8.4E-05	1.5E-04	1.7E-06	NV	5.4E-05	3.5E-05	9.1E-05
Cyanide	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	7.9E-05	NV	1.4E-04	1.9E-04	4.1E-04	7.9E-05	NV	1.2E-04	7.7E-05	2.8E-04	1.4E-04	NV	2.6E-04	3.4E-04	7.5E-04	1.4E-04	NV	2.2E-04	1.4E-04	5.1E-04
Nitrate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	8.6E-09	NV	3.3E-07	4.4E-07	7.7E-07	8.6E-09	NV	2.8E-07	1.8E-07	4.7E-07
Phosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	1.1E-09	NV	4.0E-08	5.4E-08	9.5E-08	1.1E-09	NV	3.5E-08	2.2E-08	5.8E-08
Thallium	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.2E-05	NV	2.0E-03	2.6E-03	4.6E-03	5.2E-05	NV	1.7E-03	1.1E-03	2.8E-03
Zinc	3.2E-07	NV	1.2E-05	1.6E-05	2.9E-05	3.2E-07	NV	1.0E-05	6.7E-06	1.7E-05	3.4E-07	NV	1.3E-05	1.7E-05	3.0E-05	3.4E-07	NV	1.1E-05	7.1E-06	1.8E-05
Volatile Organic Compounds																				
Bromomethane	ND	5.6E-06	ND	ND	5.6E-06	ND	5.6E-06	ND	ND	5.6E-06	1.7E-08	5.6E-06	5.7E-06	7.6E-07	1.2E-05	1.7E-08	5.6E-06	4.9E-06	3.1E-07	1.1E-05
Chloro methane	ND	1.7E-07	ND	ND	1.7E-07	ND	1.7E-07	ND	ND	1.7E-07	4.0E-10	1.7E-07	1.5E-07	2.0E-08	3.4E-07	4.0E-10	1.7E-07	1.3E-07	8.3E-09	3.0E-07
Chloroform	ND	6.4E-08	ND	ND	6.4E-08	ND	6.4E-08	ND	ND	6.4E-08	3.6E-10	6.4E-08	3.4E-07	4.5E-08	4.5E-07	3.6E-10	6.4E-08	2.9E-07	1.9E-08	3.7E-07
Isophorone	4.5E-09	NV	4.3E-06	5.8E-07	4.9E-06	4.5E-09	NV	3.7E-06	2.4E-07	3.9E-06	4.6E-08	NV	4.4E-05	5.9E-06	5.0E-05	4.6E-08	NV	3.8E-05	2.4E-06	4.0E-05
Methyl acetate	ND	1.1E-09	ND	ND	1.1E-09	ND	1.1E-09	ND	ND	1.1E-09	1.4E-11	1.1E-09	5.2E-09	7.0E-10	7.1E-09	1.4E-11	1.1E-09	4.5E-09	2.9E-10	5.9E-09
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-09	NV	1.3E-06	1.8E-07	1.5E-06	2.3E-09	NV	1.1E-06	7.3E-08	1.2E-06	1.9E-09	NV	1.1E-06	1.4E-07	1.2E-06	1.9E-09	NV	9.1E-07	5.8E-08	9.7E-07
bis (2-ethylhexyl) phthalate	2.6E-08	NV	9.9E-06	1.3E-06	1.1E-05	2.6E-08	NV	8.5E-06	5.4E-07	9.0E-06	1.9E-08	NV	7.4E-06	9.9E-07	8.4E-06	1.9E-08	NV	6.4E-06	4.1E-07	6.8E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	5.3E-11	7.0E-10	3.0E-08	2.7E-09	3.4E-08	5.3E-11	7.0E-10	2.6E-08	1.1E-09	2.8E-08	5.7E-11	7.0E-10	3.2E-08	2.9E-09	3.6E-08	5.7E-11	7.0E-10	2.8E-08	1.2E-09	3.0E-08
2-Methyl naphthalene	1.2E-09	1.2E-08	6.9E-07	6.1E-08	7.6E-07	1.2E-09	1.2E-08	5.9E-07	2.5E-08	6.3E-07	1.3E-09	1.2E-08	7.3E-07	6.5E-08	8.1E-07	1.3E-09	1.2E-08	6.3E-07	2.7E-08	6.7E-07
Acenaphthene	3.8E-11	2.1E-10	2.2E-08	1.9E-09	2.4E-08	3.8E-11	2.1E-10	1.9E-08	7.9E-10	2.0E-08	3.7E-11	2.1E-10	2.1E-08	1.9E-09	2.3E-08	3.7E-11	2.1E-10	1.8E-08	7.7E-10	1.9E-08
Acenaphthylene	4.0E-11	NV	2.3E-08	2.0E-09	2.5E-08	4.0E-11	NV	2.0E-08	8.4E-10	2.0E-08	3.8E-11	NV	2.2E-08	1.9E-09	2.4E-08	3.8E-11	NV	1.9E-08	7.9E-10	1.9E-08
Anthracene	1.3E-11	1.4E-11	7.1E-09	6.4E-10	7.8E-09	1.3E-11	1.4E-11	6.1E-09	2.6E-10	6.4E-09	1.2E-11	1.4E-11	6.9E-09	6.1E-10	7.5E-09	1.2E-11	1.4E-11	5.9E-09	2.5E-10	6.2E-09
Benzo (ghi) perylene	2.2E-09	NV	1.3E-06	1.1E-07	1.4E-06	2.2E-09	NV	1.1E-06	4.6E-08	1.1E-06	1.8E-09	NV	1.0E-06	9.2E-08	1.1E-06	1.8E-09	NV	8.9E-07	3.8E-08	9.3E-07
Fluoranthene	7.1E-09	NV	4.0E-06	3.6E-07	4.4E-06	7.1E-09	NV	3.5E-06	1.5E-07	3.6E-06	5.5E-09	NV	3.2E-06	2.8E-07	3.4E-06	5.5E-09	NV	2.7E-06	1.2E-07	2.8E-06

Table OCSxBCW-B1.4f
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	5.6E-11	1.4E-10	3.2E-08	2.8E-09	3.5E-08	5.6E-11	1.4E-10	2.7E-08	1.2E-09	2.9E-08	5.5E-11	1.4E-10	3.1E-08	2.8E-09	3.4E-08	5.5E-11	1.4E-10	2.7E-08	1.1E-09	2.8E-08
Naphthalene	3.0E-09	3.5E-08	6.4E-08	5.7E-09	1.1E-07	3.0E-09	3.5E-08	5.5E-08	2.4E-09	9.6E-08	3.0E-09	3.5E-08	6.3E-08	5.6E-09	1.1E-07	3.0E-09	3.5E-08	5.4E-08	2.3E-09	9.5E-08
Phenanthrene	3.0E-10	NV	1.7E-07	1.5E-08	1.9E-07	3.0E-10	NV	1.5E-07	6.4E-09	1.6E-07	2.4E-10	NV	1.3E-07	1.2E-08	1.5E-07	2.4E-10	NV	1.2E-07	4.9E-09	1.2E-07
Pyrene	8.2E-09	1.1E-09	4.7E-06	4.2E-07	5.1E-06	8.2E-09	1.1E-09	4.0E-06	1.7E-07	4.2E-06	6.4E-09	1.1E-09	3.7E-06	3.3E-07	4.0E-06	6.4E-09	1.1E-09	3.1E-06	1.3E-07	3.3E-06
Pesticides																				
4,4-DDE	1.6E-08	1.4E-09	3.1E-06	8.4E-07	4.0E-06	1.6E-08	1.4E-09	2.7E-06	3.4E-07	3.1E-06	3.6E-09	1.4E-09	6.9E-07	1.8E-07	8.8E-07	3.6E-09	1.4E-09	5.9E-07	7.6E-08	6.8E-07
4,4-DDT	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07
alpha-Chlordane	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06
Dieldrin	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05
gamma-Chlordane	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06
Polychlorinated Biphenyls																				
Total PCBs	2.7E-05	3.3E-05	1.6E-02	1.4E-03	1.7E-02	2.7E-05	3.3E-05	1.3E-02	5.7E-04	1.4E-02	2.7E-05	3.3E-05	1.5E-02	1.4E-03	1.7E-02	2.7E-05	3.3E-05	1.3E-02	5.6E-04	1.4E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	4.8E-06	5.5E-04	2.9E-03	3.9E-04	3.9E-03	4.8E-06	5.5E-04	2.5E-03	1.6E-04	3.2E-03	3.3E-06	5.5E-04	2.0E-03	2.7E-04	2.9E-03	3.3E-06	5.5E-04	1.8E-03	1.1E-04	2.4E-03
TPH as motor oil	2.1E-06	NV	8.2E-04	1.1E-04	9.3E-04	2.1E-06	NV	7.0E-04	4.5E-05	7.5E-04	1.6E-06	NV	6.1E-04	8.1E-05	6.9E-04	1.6E-06	NV	5.2E-04	3.3E-05	5.5E-04
Dioxins/Furans																				
TEQ Human	7.3E-06	2.7E-06	1.2E-02	5.3E-03	1.7E-02	7.3E-06	2.7E-06	1.0E-02	2.2E-03	1.2E-02	8.0E-06	2.7E-06	1.3E-02	5.8E-03	1.9E-02	8.0E-06	2.7E-06	1.1E-02	2.4E-03	1.4E-02
Total Hazard Index	**2E-03**	**6E-04**	**3E-02**	**8E-03**	**4E-02**	**2E-03**	**6E-04**	**3E-02**	**3E-03**	**3E-02**	**1E-03**	**6E-04**	**3E-02**	**1E-02**	**5E-02**	**1E-03**	**6E-04**	**3E-02**	**5E-03**	**4E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.4g

Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Total Hazard Index
Inorganics						
Antimony	1.7E-09	NV	1.7E-09	3.3E-10	NV	3.3E-10
Chromium, Hexavalent	1.0E-06	NV	1.0E-06	6.6E-07	NV	6.6E-07
Chromium, total	3.3E-11	NV	3.3E-11	5.3E-11	NV	5.3E-11
Copper	1.0E-09	NV	1.0E-09	1.0E-09	NV	1.0E-09
Cyanide	5.5E-10	NV	5.5E-10	5.5E-10	NV	5.5E-10
Lead	na	na	na	na	na	na
Mercury (inorganic)	4.9E-08	NV	4.9E-08	9.0E-08	NV	9.0E-08
Nitrate	NS	NV	--	5.4E-12	NV	5.4E-12
Phosphate	NS	NV	--	6.6E-13	NV	6.6E-13
Thallium	ND	NV	--	3.2E-08	NV	3.2E-08
Zinc	2.0E-10	NV	2.0E-10	2.1E-10	NV	2.1E-10
Volatile Organic Compounds						
Bromomethane	ND	3.7E-06	3.7E-06	1.0E-11	3.7E-06	3.7E-06
Chloro methane	ND	1.1E-07	1.1E-07	2.5E-13	1.1E-07	1.1E-07
Chloroform	ND	4.2E-08	4.2E-08	2.3E-13	4.2E-08	4.2E-08
Isophorone	2.8E-12	NV	2.8E-12	2.9E-11	NV	2.9E-11
Methyl acetate	ND	7.5E-10	7.5E-10	8.6E-15	7.5E-10	7.5E-10
Semi-Volatile Organic Compounds						
4-Methylphenol	1.4E-12	NV	1.4E-12	1.2E-12	NV	1.2E-12
bis (2-ethylhexyl) phthalate	1.6E-11	NV	1.6E-11	1.2E-11	NV	1.2E-11
Butylbenzylphthalate	ND	NV	--	ND	NV	--

Table OCSxBCW-B1.4g

Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Total Hazard Index
Polycyclic Aromatic Hydrocarbons						
1-Methyl naphthalene	3.3E-14	4.6E-10	4.6E-10	3.5E-14	4.6E-10	4.6E-10
2-Methyl naphthalene	7.5E-13	8.0E-09	8.1E-09	8.0E-13	8.0E-09	8.1E-09
Acenaphthene	2.4E-14	1.4E-10	1.4E-10	2.3E-14	1.4E-10	1.4E-10
Acenaphthylene	2.5E-14	NV	2.5E-14	2.4E-14	NV	2.4E-14
Anthracene	7.8E-15	9.4E-12	9.4E-12	7.5E-15	9.4E-12	9.4E-12
Benzo (ghi) perylene	1.4E-12	NV	1.4E-12	1.1E-12	NV	1.1E-12
Fluoranthene	4.4E-12	NV	4.4E-12	3.4E-12	NV	3.4E-12
Fluorene	3.5E-14	9.1E-11	9.1E-11	3.4E-14	9.1E-11	9.1E-11
Naphthalene	1.9E-12	2.3E-08	2.3E-08	1.8E-12	2.3E-08	2.3E-08
Phenanthrene	1.9E-13	NV	1.9E-13	1.5E-13	NV	1.5E-13
Pyrene	5.1E-12	7.3E-10	7.3E-10	4.0E-12	7.3E-10	7.3E-10
Pesticides						
4,4-DDE	1.0E-11	9.3E-10	9.4E-10	2.3E-12	9.3E-10	9.4E-10
4,4-DDT	3.0E-12	NV	3.0E-12	3.0E-12	NV	3.0E-12
alpha-Chlordane	3.5E-11	NV	3.5E-11	3.5E-11	NV	3.5E-11
Dieldrin	6.7E-11	NV	6.7E-11	6.7E-11	NV	6.7E-11
gamma-Chlordane	3.7E-11	NV	3.7E-11	3.7E-11	NV	3.7E-11
Polychlorinated Biphenyls						
Total PCBs	1.7E-08	2.1E-05	2.1E-05	1.7E-08	2.1E-05	2.1E-05
Total Petroleum Hydrocarbons						
TPH as diesel	3.0E-09	3.7E-04	3.7E-04	2.1E-09	3.7E-04	3.7E-04
TPH as motor oil	1.3E-09	NV	1.3E-09	9.9E-10	NV	9.9E-10

Table OCSxBCW-B1.4g

Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Tribal User

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Tribal User (0 to 0.5 feet bgs)[a]			Tribal User (0 to 3 feet bgs)[a]		
	Soil Pathway			Soil Pathway		
	Particulate Inhalation	Vapor Inhalation	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Total Hazard Index
Dioxins/Furans						
TEQ Human	4.6E-09	1.8E-06	1.8E-06	5.0E-09	1.8E-06	1.8E-06
Total Hazard Index	**1E-06**	**4E-04**	**4E-04**	**8E-07**	**4E-04**	**4E-04**

Notes:

[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:

-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is not complete for the tribal user. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B1.5a

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	39.4	52.7	34.7	25.9
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	40	40	40	40
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.021**	**0.028**	**0.018**	**0.014**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.04	0.05	0.03	0.03
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

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Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (40 days/year) is a site-specific value for short-term maintenance workers as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCSxBCW-B1.5b

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	39.4	52.7	34.7	25.9
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	10	10	10	10
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.005**	**0.007**	**0.005**	**0.003**
$PbB_{fetal,0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.01	0.01	0.01	0.01
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **3977**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (10 days/year) is a site-specific value for long-term maintenance workers, based on 4 work hours per 8 hour work day, 20 days per year as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCSxBCW-B1.5c

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	39.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.010	0.018	0.02	0.03	0.03	2159
BLOOD Pb, PICA CHILD	0.020	0.04	0.04	0.05	0.06	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	8.2E-05	1%		8.2E-05	0.4%
Soil Ingestion	2.5E-4	9.9E-03	99%	5.0E-4	2.0E-02	100%
Inhalation	7.0E-8	2.8E-06	0.03%		2.8E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B1.5d
Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	52.7
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.013	0.024	0.03	0.04	0.04	2159
BLOOD Pb, PICA CHILD	0.027	0.05	0.06	0.07	0.08	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	1.1E-04	1%		1.1E-04	0.4%
Soil Ingestion	2.5E-4	1.3E-02	99%	5.0E-4	2.7E-02	100%
Inhalation	7.0E-8	3.7E-06	0.03%		3.7E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B1.5e

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	39.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.020	0.037	0.04	0.05	0.06	1079
BLOOD Pb, PICA CHILD	0.040	0.07	0.09	0.10	0.12	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	1.6E-04	1%		1.6E-04	0.4%
Soil Ingestion	5.0E-4	2.0E-02	99%	1.0E-3	4.0E-02	100%
Inhalation	1.4E-7	5.5E-06	0.03%		5.5E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B1.5f
Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	52.7
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.027	0.049	0.06	0.07	0.08	1079
BLOOD Pb, PICA CHILD	0.053	0.10	0.12	0.14	0.16	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	2.2E-04	1%		2.2E-04	0.4%
Soil Ingestion	5.0E-4	2.7E-02	99%	1.0E-3	5.3E-02	100%
Inhalation	1.4E-7	7.4E-06	0.03%		7.4E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B1.5g

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Depth-Weighted EPCs: Recreational User (Hunter)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	39.4	52.7
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.05	0.05
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	8	8
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.002**	**0.003**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.004	0.01
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**

PRG90 **9942**

Notes:

Highlighted values are site-specific: soil ingestion rate of 50 mg/day is the default incidental soil ingestion rate evaluation of exposure to lead in soil (USEPA 2003). Exposure frequency (8 days/year) based on the assumption of 8 days per month, 1 month per year as shown in Table 5.1 of the main report.

References:

USEPA. 2003. Recommendations of the Technical Review Workgroup for Lead for an Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil. EPA-540-R-03-001. January.

Table OCSxBCW-B1.5h

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Depth-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	39.4
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.007	0.012	0.01	0.02	0.02	3180
BLOOD Pb, PICA CHILD	0.040	0.07	0.09	0.11	0.12	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	6.5E-04	10%		6.5E-04	1.6%
Soil Ingestion	1.6E-4	6.1E-03	90%	1.0E-3	4.0E-02	98%
Inhalation	8.7E-9	3.4E-07	0.01%		3.4E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

Table OCSxBCW-B1.5i

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Depth-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	52.7
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.009	0.017	0.02	0.02	0.03	3180
BLOOD Pb, PICA CHILD	0.054	0.10	0.12	0.14	0.16	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	8.7E-04	10%		8.7E-04	1.6%
Soil Ingestion	1.6E-4	8.2E-03	90%	1.0E-3	5.3E-02	98%
Inhalation	8.7E-9	4.6E-07	0.01%		4.6E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

Attachment OCSXBCW-B2
Dose, Exposure Concentration, Risk, and Hazard Calculations for Human Health Receptors at Areas Outside The Compressor Station Excluding Bat Cave Wash Using Area-Weighted EPCs

Tables

OCSxBCW-B2.1a	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B2.1b	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B2.1c	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper
OCSxBCW-B2.1d	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B2.1e	Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B2.2a	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B2.2b	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B2.2c	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper
OCSxBCW-B2.2d	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B2.2e	Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B2.3a	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B2.3b	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B2.3c	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User- Camper
OCSxBCW-B2.3d	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B2.3e	Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B2.4a	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B2.4b	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B2.4c	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper
OCSxBCW-B2.4d	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker
OCSxBCW-B2.4e	Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider
OCSxBCW-B2.5a	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker
OCSxBCW-B2.5b	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker
OCSxBCW-B2.5c	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)
OCSxBCW-B2.5d	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)
OCSxBCW-B2.5e	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)
OCSxBCW-B2.5f	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)
OCSxBCW-B2.5g	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)
OCSxBCW-B2.5h	Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Table OCSxBCW-B2.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.5E-08	NV	NA	1.8E-07	9.5E-09	NV	NA	1.2E-07	5.7E-09	NV	NA	7.0E-08	4.2E-09	NV	NA	5.2E-08
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	6.1E-09	ND	ND	5.7E-12	6.1E-09	1.0E-10	7.1E-11	5.2E-12	6.1E-09	9.3E-11	6.4E-11	3.9E-12	6.1E-09	7.1E-11	4.9E-11
Isophorone	NC	NC	2.6E-08	1.8E-08	NC	NC	2.7E-07	1.8E-07	NC	NC	2.7E-07	1.8E-07	NC	NC	1.6E-07	1.1E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	3.3E-10	NV	6.0E-09	4.1E-09	2.5E-10	NV	4.6E-09	3.1E-09	3.8E-10	NV	6.9E-09	4.7E-09	2.6E-10	NV	4.8E-09	3.3E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.2E-07	8.3E-08
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	2.4E-12	1.4E-10	6.4E-11	2.9E-11	2.2E-12	1.4E-10	6.0E-11	2.7E-11	2.0E-12	1.4E-10	5.4E-11	2.5E-11	1.9E-12	1.4E-10	5.2E-11	2.4E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B2.1a
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	2.8E-12	2.1E-10	7.5E-11	3.4E-11	2.9E-12	2.1E-10	7.7E-11	3.5E-11	2.5E-12	2.1E-10	6.9E-11	3.1E-11	2.4E-12	2.1E-10	6.5E-11	3.0E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	3.2E-12	1.6E-12	2.9E-11	3.9E-11	6.4E-13	1.6E-12	5.8E-12	7.9E-12	6.5E-13	1.6E-12	5.9E-12	8.1E-12	6.5E-13	1.6E-12	5.9E-12	8.1E-12
4,4-DDT	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11	1.6E-12	NV	1.4E-11	1.9E-11
alpha-Chlordane	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11	6.3E-12	NV	5.7E-11	7.7E-11
Dieldrin	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11	3.5E-12	NV	3.2E-11	4.3E-11
gamma-Chlordane	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11	6.8E-12	NV	6.1E-11	8.4E-11
Polychlorinated Biphenyls																
Total PCBs	8.5E-11	5.6E-10	2.3E-09	1.1E-09	8.1E-11	5.6E-10	2.2E-09	1.0E-09	7.7E-11	5.6E-10	2.1E-09	9.5E-10	7.3E-11	5.6E-10	2.0E-09	9.0E-10
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	3.1E-14	6.9E-14	1.7E-13	3.8E-13	3.3E-14	6.9E-14	1.8E-13	4.1E-13	3.6E-14	6.9E-14	1.9E-13	4.4E-13	3.3E-14	6.9E-14	1.8E-13	4.1E-13

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	1.1E-07	NV	NA	1.4E-06	7.1E-08	NV	NA	8.8E-07	4.3E-08	NV	NA	5.3E-07	3.2E-08	NV	NA	3.9E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds																
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	ND	8.3E-09	ND	ND	4.3E-11	8.3E-09	1.6E-09	5.3E-10	3.9E-11	8.3E-09	1.4E-09	4.8E-10	2.9E-11	8.3E-09	1.1E-09	3.6E-10
Isophorone	NC	NC	4.0E-07	1.4E-07	NC	NC	4.1E-06	1.4E-06	NC	NC	4.0E-06	1.4E-06	NC	NC	2.4E-06	8.3E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Semi-Volatile Organic Compounds																
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	2.5E-09	NV	9.1E-08	3.1E-08	1.9E-09	NV	6.8E-08	2.3E-08	2.9E-09	NV	1.0E-07	3.6E-08	2.0E-09	NV	7.2E-08	2.5E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND	ND	NC	ND	ND	NC	NC	1.8E-06	6.2E-07
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.8E-11	1.9E-10	9.6E-10	2.2E-10	1.7E-11	1.9E-10	9.0E-10	2.1E-10	1.5E-11	1.9E-10	8.2E-10	1.9E-10	1.4E-11	1.9E-10	7.8E-10	1.8E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B2.1b
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	2.1E-11	2.8E-10	1.1E-09	2.6E-10	2.1E-11	2.8E-10	1.2E-09	2.6E-10	1.9E-11	2.8E-10	1.0E-09	2.4E-10	1.8E-11	2.8E-10	9.8E-10	2.2E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides																
4,4-DDE	2.4E-11	2.2E-12	4.3E-10	3.0E-10	4.8E-12	2.2E-12	8.7E-11	6.0E-11	4.9E-12	2.2E-12	8.9E-11	6.1E-11	4.9E-12	2.2E-12	8.9E-11	6.1E-11
4,4-DDT	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10	1.2E-11	NV	2.1E-10	1.5E-10
alpha-Chlordane	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10	4.7E-11	NV	8.5E-10	5.8E-10
Dieldrin	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10	2.6E-11	NV	4.7E-10	3.2E-10
gamma-Chlordane	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10	5.1E-11	NV	9.2E-10	6.3E-10
Polychlorinated Biphenyls																
Total PCBs	6.4E-10	7.7E-10	3.5E-08	7.9E-09	6.1E-10	7.7E-10	3.3E-08	7.5E-09	5.8E-10	7.7E-10	3.1E-08	7.1E-09	5.4E-10	7.7E-10	3.0E-08	6.7E-09
Total Petroleum Hydrocarbons																
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dioxins/Furans																
TEQ Human	2.3E-13	9.5E-14	2.5E-12	2.9E-12	2.5E-13	9.5E-14	2.7E-12	3.1E-12	2.7E-13	9.5E-14	2.9E-12	3.3E-12	2.5E-13	9.5E-14	2.7E-12	3.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.1c

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	4.6E-10	NV	NA	4.2E-06	3.0E-10	NV	NA	2.7E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	1.9E-08	ND	ND	6.6E-14	1.9E-08	1.2E-10	3.6E-10
Isophorone	NC	NC	3.0E-08	9.2E-08	NC	NC	3.0E-07	9.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	3.8E-12	NV	6.8E-09	2.1E-08	2.9E-12	NV	5.1E-09	1.6E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B2.1c

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	2.7E-14	4.1E-10	7.2E-11	1.5E-10	2.5E-14	4.1E-10	6.7E-11	1.4E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	3.2E-14	6.4E-10	8.4E-11	1.7E-10	3.3E-14	6.4E-10	8.7E-11	1.8E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	3.7E-14	4.9E-12	3.2E-11	2.0E-10	7.4E-15	4.9E-12	6.5E-12	4.0E-11
4,4-DDT	1.8E-14	NV	1.6E-11	9.9E-11	1.8E-14	NV	1.6E-11	9.9E-11
alpha-Chlordane	7.2E-14	NV	6.3E-11	3.9E-10	7.2E-14	NV	6.3E-11	3.9E-10
Dieldrin	4.0E-14	NV	3.5E-11	2.2E-10	4.0E-14	NV	3.5E-11	2.2E-10
gamma-Chlordane	7.8E-14	NV	6.9E-11	4.3E-10	7.8E-14	NV	6.9E-11	4.3E-10
Polychlorinated Biphenyls								
Total PCBs	9.8E-13	1.7E-09	2.6E-09	5.4E-09	9.3E-13	1.7E-09	2.5E-09	5.1E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B2.1c

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	3.5E-16	2.1E-13	1.9E-13	1.9E-12	3.8E-16	2.1E-13	2.0E-13	2.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.1d

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	9.3E-10	NV	NA	8.4E-06	6.0E-10	NV	NA	5.4E-06
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	3.7E-08	ND	ND	1.3E-13	3.7E-08	2.3E-10	7.2E-10
Isophorone	NC	NC	5.9E-08	1.8E-07	NC	NC	6.0E-07	1.9E-06
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	7.7E-12	NV	1.4E-08	4.2E-08	5.8E-12	NV	1.0E-08	3.2E-08
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B2.1d

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	5.4E-14	8.3E-10	1.4E-10	3.0E-10	5.1E-14	8.3E-10	1.3E-10	2.8E-10
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	6.4E-14	1.3E-09	1.7E-10	3.5E-10	6.5E-14	1.3E-09	1.7E-10	3.6E-10
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-14	9.8E-12	6.4E-11	4.0E-10	1.5E-14	9.8E-12	1.3E-11	8.1E-11
4,4-DDT	3.6E-14	NV	3.2E-11	2.0E-10	3.6E-14	NV	3.2E-11	2.0E-10
alpha-Chlordane	1.4E-13	NV	1.3E-10	7.9E-10	1.4E-13	NV	1.3E-10	7.9E-10
Dieldrin	8.0E-14	NV	7.1E-11	4.4E-10	8.0E-14	NV	7.1E-11	4.4E-10
gamma-Chlordane	1.6E-13	NV	1.4E-10	8.5E-10	1.6E-13	NV	1.4E-10	8.5E-10
Polychlorinated Biphenyls								
Total PCBs	2.0E-12	3.5E-09	5.2E-09	1.1E-08	1.9E-12	3.5E-09	4.9E-09	1.0E-08
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B2.1d

Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	7.1E-16	4.2E-13	3.7E-13	3.9E-12	7.5E-16	4.2E-13	4.0E-13	4.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics								
Antimony	NC	NC	NC	NC	NC	NC	NC	NC
Chromium, Hexavalent	6.0E-08	NV	NA	4.9E-07	3.9E-08	NV	NA	3.2E-07
Chromium, total	NC	NC	NC	NC	NC	NC	NC	NC
Copper	NC	NC	NC	NC	NC	NC	NC	NC
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC
Lead	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	NC	NC	NC	NC
Nitrate	NS	NC	NS	NS	NC	NC	NC	NC
Phosphate	NS	NC	NS	NS	NC	NC	NC	NC
Thallium	ND	NC	ND	ND	NC	NC	NC	NC
Zinc	NC	NC	NC	NC	NC	NC	NC	NC
Volatile Organic Compounds								
Bromomethane	ND	NC	ND	ND	NC	NC	NC	NC
Chloro methane	ND	NC	ND	ND	NC	NC	NC	NC
Chloroform	ND	2.3E-09	ND	ND	1.3E-11	2.3E-09	1.1E-09	9.2E-11
Isophorone	NC	NC	2.9E-07	2.3E-08	NC	NC	2.9E-06	2.4E-07
Methyl acetate	ND	NC	ND	ND	NC	NC	NC	NC
Semi-Volatile Organic Compounds								
4-Methylphenol	NC	NC	NC	NC	NC	NC	NC	NC
bis (2-ethylhexyl) phthalate	7.7E-10	NV	6.5E-08	5.4E-09	5.8E-10	NV	4.9E-08	4.0E-09
Butylbenzylphthalate	ND	NC	ND	ND	ND	NC	ND	ND

Table OCSxBCW-B2.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Polycyclic Aromatic Hydrocarbons								
1-Methyl naphthalene	5.4E-12	5.2E-11	6.9E-10	3.8E-11	5.1E-12	5.2E-11	6.5E-10	3.5E-11
2-Methyl naphthalene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthene	NC	NC	NC	NC	NC	NC	NC	NC
Acenaphthylene	NC	NC	NC	NC	NC	NC	NC	NC
Anthracene	NC	NC	NC	NC	NC	NC	NC	NC
Benzo (ghi) perylene	NC	NC	NC	NC	NC	NC	NC	NC
Fluoranthene	NC	NC	NC	NC	NC	NC	NC	NC
Fluorene	NC	NC	NC	NC	NC	NC	NC	NC
Naphthalene	6.4E-12	7.9E-11	8.1E-10	4.5E-11	6.6E-12	7.9E-11	8.4E-10	4.6E-11
Phenanthrene	NC	NC	NC	NC	NC	NC	NC	NC
Pyrene	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides								
4,4-DDE	7.3E-12	6.1E-13	3.1E-10	5.1E-11	1.5E-12	6.1E-13	6.3E-11	1.0E-11
4,4-DDT	3.6E-12	NV	1.5E-10	2.5E-11	3.6E-12	NV	1.5E-10	2.5E-11
alpha-Chlordane	1.4E-11	NV	6.1E-10	1.0E-10	1.4E-11	NV	6.1E-10	1.0E-10
Dieldrin	8.0E-12	NV	3.4E-10	5.6E-11	8.0E-12	NV	3.4E-10	5.6E-11
gamma-Chlordane	1.6E-11	NV	6.6E-10	1.1E-10	1.6E-11	NV	6.6E-10	1.1E-10
Polychlorinated Biphenyls								
Total PCBs	2.0E-10	2.2E-10	2.5E-08	1.4E-09	1.9E-10	2.2E-10	2.4E-08	1.3E-09
Total Petroleum Hydrocarbons								
TPH as diesel	NC	NC	NC	NC	NC	NC	NC	NC
TPH as motor oil	NC	NC	NC	NC	NC	NC	NC	NC

Table OCSxBCW-B2.1e
Baseline Scenario Exposure Concentration and Dose Calculations for Carcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]				Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Dioxins/Furans								
TEQ Human	7.1E-14	2.7E-14	1.8E-12	4.9E-13	7.6E-14	2.7E-14	1.9E-12	5.3E-13

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	4.5E-08	NV	8.1E-08	5.5E-07	5.3E-08	NV	9.5E-08	6.5E-07	4.5E-08	NV	8.2E-08	5.6E-07	4.3E-08	NV	7.8E-08	5.3E-07
Chromium, Hexavalent	1.0E-06	NV	NA	1.3E-05	6.6E-07	NV	NA	8.2E-06	4.0E-07	NV	NA	4.9E-06	3.0E-07	NV	NA	3.7E-06
Chromium, total	2.4E-06	NV	4.4E-06	3.0E-05	3.4E-06	NV	6.1E-06	4.2E-05	3.3E-06	NV	5.9E-06	4.1E-05	3.2E-06	NV	5.7E-06	3.9E-05
Copper	1.5E-06	NV	2.8E-06	1.9E-05	1.7E-06	NV	3.1E-06	2.1E-05	1.3E-06	NV	2.3E-06	1.6E-05	1.1E-06	NV	1.9E-06	1.3E-05
Cyanide	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08	8.0E-09	NV	1.5E-08	9.9E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.6E-08	NV	2.9E-08	2.0E-07	4.9E-08	NV	8.9E-08	6.1E-07	8.1E-08	NV	1.5E-07	1.0E-06	5.6E-08	NV	1.0E-07	7.0E-07
Nitrate	NS	NV	NS	NS	6.2E-07	NV	1.1E-06	7.7E-06	1.1E-06	NV	1.9E-06	1.3E-05	1.1E-06	NV	1.9E-06	1.3E-05
Phosphate	NS	NV	NS	NS	2.3E-06	NV	4.2E-06	2.9E-05	2.3E-06	NV	4.2E-06	2.9E-05	2.3E-06	NV	4.2E-06	2.9E-05
Thallium	ND	NV	ND	ND	5.0E-08	NV	9.0E-08	6.1E-07	4.9E-08	NV	8.9E-08	6.1E-07	4.9E-08	NV	8.9E-08	6.1E-07
Zinc	2.6E-06	NV	4.7E-06	3.2E-05	3.0E-06	NV	5.4E-06	3.7E-05	2.6E-06	NV	4.7E-06	3.2E-05	2.5E-06	NV	4.5E-06	3.1E-05
Volatile Organic Compounds																
Bromomethane	ND	1.9E-06	ND	ND	9.5E-10	1.9E-06	1.7E-08	1.2E-08	8.6E-10	1.9E-06	1.6E-08	1.1E-08	6.5E-10	1.9E-06	1.2E-08	8.0E-09
Chloro methane	ND	1.0E-06	ND	ND	4.0E-10	1.0E-06	7.3E-09	5.0E-09	3.7E-10	1.0E-06	6.7E-09	4.6E-09	2.9E-10	1.0E-06	5.2E-09	3.6E-09
Chloroform	ND	4.3E-07	ND	ND	4.0E-10	4.3E-07	7.3E-09	5.0E-09	3.6E-10	4.3E-07	6.5E-09	4.5E-09	2.8E-10	4.3E-07	5.0E-09	3.4E-09
Isophorone	1.0E-07	NV	1.9E-06	1.3E-06	1.0E-06	NV	1.9E-05	1.3E-05	1.0E-06	NV	1.9E-05	1.3E-05	6.2E-07	NV	1.1E-05	7.7E-06
Methyl acetate	ND	3.1E-07	ND	ND	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09	6.2E-10	3.1E-07	1.1E-08	7.7E-09
Semi-Volatile Organic Compounds																
4-Methylphenol	1.6E-08	NV	2.8E-07	1.9E-07	1.3E-08	NV	2.3E-07	1.6E-07	1.1E-08	NV	2.1E-07	1.4E-07	9.3E-09	NV	1.7E-07	1.1E-07
bis (2-ethylhexyl) phthalate	2.3E-08	NV	4.2E-07	2.9E-07	1.8E-08	NV	3.2E-07	2.2E-07	2.7E-08	NV	4.8E-07	3.3E-07	1.8E-08	NV	3.3E-07	2.3E-07
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	4.7E-07	NV	8.5E-06	5.8E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.6E-10	9.5E-09	4.5E-09	2.0E-09	1.5E-10	9.5E-09	4.2E-09	1.9E-09	1.4E-10	9.5E-09	3.8E-09	1.7E-09	1.3E-10	9.5E-09	3.6E-09	1.7E-09
2-Methyl naphthalene	3.8E-10	2.2E-08	1.0E-08	4.7E-09	3.8E-10	2.2E-08	1.0E-08	4.7E-09	3.3E-10	2.2E-08	9.0E-09	4.1E-09	3.2E-10	2.2E-08	8.7E-09	4.0E-09
Acenaphthene	3.4E-10	8.1E-09	9.1E-09	4.2E-09	3.4E-10	8.1E-09	9.3E-09	4.2E-09	3.0E-10	8.1E-09	8.1E-09	3.7E-09	2.9E-10	8.1E-09	7.8E-09	3.6E-09
Acenaphthylene	3.2E-10	NV	8.8E-09	4.0E-09	3.3E-10	NV	9.1E-09	4.1E-09	3.0E-10	NV	8.1E-09	3.7E-09	2.9E-10	NV	7.8E-09	3.6E-09
Anthracene	5.4E-10	2.7E-09	1.5E-08	6.7E-09	4.5E-10	2.7E-09	1.2E-08	5.6E-09	3.5E-10	2.7E-09	9.6E-09	4.4E-09	3.4E-10	2.7E-09	9.3E-09	4.2E-09
Benzo (ghi) perylene	1.7E-09	NV	4.6E-08	2.1E-08	1.4E-09	NV	3.8E-08	1.7E-08	1.1E-09	NV	2.9E-08	1.3E-08	9.5E-10	NV	2.6E-08	1.2E-08
Fluoranthene	6.9E-09	NV	1.9E-07	8.6E-08	5.1E-09	NV	1.4E-07	6.3E-08	3.5E-09	NV	9.4E-08	4.3E-08	2.7E-09	NV	7.4E-08	3.4E-08

Table OCSxBCW-B2.2a
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Short Term Maintenance Worker (0 to 3 feet bgs)[a]				Short Term Maintenance Worker (0 to 6 feet bgs)[a]				Short Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	3.3E-10	4.2E-09	8.8E-09	4.0E-09	3.4E-10	4.2E-09	9.2E-09	4.2E-09	2.9E-10	4.2E-09	7.9E-09	3.6E-09	3.0E-10	4.2E-09	8.1E-09	3.7E-09
Naphthalene	1.9E-10	1.5E-08	5.3E-09	2.4E-09	2.0E-10	1.5E-08	5.4E-09	2.5E-09	1.8E-10	1.5E-08	4.8E-09	2.2E-09	1.7E-10	1.5E-08	4.6E-09	2.1E-09
Phenanthrene	2.3E-09	NV	6.3E-08	2.9E-08	1.7E-09	NV	4.7E-08	2.1E-08	1.2E-09	NV	3.3E-08	1.5E-08	1.1E-09	NV	3.0E-08	1.4E-08
Pyrene	5.9E-09	3.9E-09	1.6E-07	7.3E-08	4.2E-09	3.9E-09	1.1E-07	5.2E-08	3.0E-09	3.9E-09	8.2E-08	3.7E-08	2.4E-09	3.9E-09	6.4E-08	2.9E-08
Pesticides																
4,4-DDE	2.2E-10	1.1E-10	2.0E-09	2.8E-09	4.5E-11	1.1E-10	4.1E-10	5.6E-10	4.6E-11	1.1E-10	4.1E-10	5.7E-10	4.6E-11	1.1E-10	4.1E-10	5.7E-10
4,4-DDT	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09	1.1E-10	NV	9.9E-10	1.4E-09
alpha-Chlordane	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09	4.4E-10	NV	4.0E-09	5.4E-09
Dieldrin	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09	2.4E-10	NV	2.2E-09	3.0E-09
gamma-Chlordane	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09	4.7E-10	NV	4.3E-09	5.9E-09
Polychlorinated Biphenyls																
Total PCBs	6.0E-09	4.0E-08	1.6E-07	7.4E-08	5.7E-09	4.0E-08	1.5E-07	7.0E-08	5.4E-09	4.0E-08	1.5E-07	6.6E-08	5.1E-09	4.0E-08	1.4E-07	6.3E-08
Total Petroleum Hydrocarbons																
TPH as diesel	2.8E-06	1.8E-03	5.1E-05	3.5E-05	1.8E-06	1.8E-03	3.2E-05	2.2E-05	1.1E-06	1.8E-03	2.1E-05	1.4E-05	8.8E-07	1.8E-03	1.6E-05	1.1E-05
TPH as motor oil	6.0E-06	NV	1.1E-04	7.4E-05	4.2E-06	NV	7.6E-05	5.2E-05	3.9E-06	NV	7.0E-05	4.8E-05	3.1E-06	NV	5.6E-05	3.8E-05
Dioxins/Furans																
TEQ Human	2.2E-12	4.9E-12	1.2E-11	2.7E-11	2.3E-12	4.9E-12	1.2E-11	2.8E-11	2.5E-12	4.9E-12	1.4E-11	3.1E-11	2.3E-12	4.9E-12	1.2E-11	2.8E-11

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	1.1E-08	NV	4.0E-08	1.4E-07	1.3E-08	NV	4.8E-08	1.6E-07	1.1E-08	NV	4.1E-08	1.4E-07	1.1E-08	NV	3.9E-08	1.3E-07
Chromium, Hexavalent	2.6E-07	NV	NA	3.2E-06	1.7E-07	NV	NA	2.1E-06	1.0E-07	NV	NA	1.2E-06	7.4E-08	NV	NA	9.2E-07
Chromium, total	6.1E-07	NV	2.2E-06	7.5E-06	8.4E-07	NV	3.1E-06	1.0E-05	8.2E-07	NV	3.0E-06	1.0E-05	7.9E-07	NV	2.9E-06	9.8E-06
Copper	3.8E-07	NV	1.4E-06	4.7E-06	4.3E-07	NV	1.6E-06	5.3E-06	3.2E-07	NV	1.2E-06	4.0E-06	2.7E-07	NV	9.6E-07	3.3E-06
Cyanide	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08	2.0E-09	NV	7.3E-09	2.5E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	4.1E-09	NV	1.5E-08	5.0E-08	1.2E-08	NV	4.4E-08	1.5E-07	2.0E-08	NV	7.3E-08	2.5E-07	1.4E-08	NV	5.1E-08	1.7E-07
Nitrate	NS	NV	NS	NS	1.6E-07	NV	5.6E-07	1.9E-06	2.6E-07	NV	9.6E-07	3.3E-06	2.6E-07	NV	9.6E-07	3.3E-06
Phosphate	NS	NV	NS	NS	5.9E-07	NV	2.1E-06	7.3E-06	5.9E-07	NV	2.1E-06	7.3E-06	5.9E-07	NV	2.1E-06	7.3E-06
Thallium	ND	NV	ND	ND	1.2E-08	NV	4.5E-08	1.5E-07	1.2E-08	NV	4.5E-08	1.5E-07	1.2E-08	NV	4.5E-08	1.5E-07
Zinc	6.5E-07	NV	2.3E-06	8.0E-06	7.5E-07	NV	2.7E-06	9.3E-06	6.6E-07	NV	2.4E-06	8.1E-06	6.2E-07	NV	2.2E-06	7.7E-06
Volatile Organic Compounds																
Bromomethane	ND	8.6E-08	ND	ND	2.4E-10	8.6E-08	8.6E-09	2.9E-09	2.1E-10	8.6E-08	7.8E-09	2.7E-09	1.6E-10	8.6E-08	5.9E-09	2.0E-09
Chloro methane	ND	4.6E-08	ND	ND	1.0E-10	4.6E-08	3.6E-09	1.2E-09	9.2E-11	4.6E-08	3.3E-09	1.1E-09	7.3E-11	4.6E-08	2.6E-09	9.0E-10
Chloroform	ND	1.9E-08	ND	ND	1.0E-10	1.9E-08	3.6E-09	1.2E-09	9.0E-11	1.9E-08	3.3E-09	1.1E-09	6.9E-11	1.9E-08	2.5E-09	8.5E-10
Isophorone	2.6E-08	NV	9.3E-07	3.2E-07	2.6E-07	NV	9.5E-06	3.2E-06	2.6E-07	NV	9.4E-06	3.2E-06	1.6E-07	NV	5.7E-06	1.9E-06
Methyl acetate	ND	1.4E-08	ND	ND	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09	1.6E-10	1.4E-08	5.6E-09	1.9E-09
Semi-Volatile Organic Compounds																
4-Methylphenol	3.9E-09	NV	1.4E-07	4.9E-08	3.2E-09	NV	1.1E-07	3.9E-08	2.9E-09	NV	1.0E-07	3.5E-08	2.3E-09	NV	8.4E-08	2.9E-08
bis (2-ethylhexyl) phthalate	5.8E-09	NV	2.1E-07	7.2E-08	4.4E-09	NV	1.6E-07	5.4E-08	6.7E-09	NV	2.4E-07	8.3E-08	4.6E-09	NV	1.7E-07	5.7E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	1.2E-07	NV	4.3E-06	1.5E-06
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	4.1E-11	4.3E-10	2.2E-09	5.1E-10	3.9E-11	4.3E-10	2.1E-09	4.8E-10	3.5E-11	4.3E-10	1.9E-09	4.3E-10	3.4E-11	4.3E-10	1.8E-09	4.1E-10
2-Methyl naphthalene	9.6E-11	1.0E-09	5.2E-09	1.2E-09	9.5E-11	1.0E-09	5.2E-09	1.2E-09	8.3E-11	1.0E-09	4.5E-09	1.0E-09	8.0E-11	1.0E-09	4.4E-09	9.9E-10
Acenaphthene	8.4E-11	3.7E-10	4.6E-09	1.0E-09	8.5E-11	3.7E-10	4.6E-09	1.1E-09	7.4E-11	3.7E-10	4.0E-09	9.2E-10	7.2E-11	3.7E-10	3.9E-09	8.9E-10
Acenaphthylene	8.1E-11	NV	4.4E-09	1.0E-09	8.4E-11	NV	4.5E-09	1.0E-09	7.5E-11	NV	4.1E-09	9.3E-10	7.2E-11	NV	3.9E-09	8.9E-10
Anthracene	1.4E-10	1.2E-10	7.3E-09	1.7E-09	1.1E-10	1.2E-10	6.1E-09	1.4E-09	8.9E-11	1.2E-10	4.8E-09	1.1E-09	8.5E-11	1.2E-10	4.6E-09	1.1E-09
Benzo (ghi) perylene	4.2E-10	NV	2.3E-08	5.2E-09	3.5E-10	NV	1.9E-08	4.3E-09	2.7E-10	NV	1.4E-08	3.3E-09	2.4E-10	NV	1.3E-08	2.9E-09
Fluoranthene	1.7E-09	NV	9.4E-08	2.1E-08	1.3E-09	NV	6.9E-08	1.6E-08	8.7E-10	NV	4.7E-08	1.1E-08	6.8E-10	NV	3.7E-08	8.4E-09

Table OCSxBCW-B2.2b
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]				Long Term Maintenance Worker (0 to 3 feet bgs)[a]				Long Term Maintenance Worker (0 to 6 feet bgs)[a]				Long Term Maintenance Worker (0 to 10 feet bgs)			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	8.1E-11	1.9E-10	4.4E-09	1.0E-09	8.5E-11	1.9E-10	4.6E-09	1.0E-09	7.3E-11	1.9E-10	4.0E-09	9.0E-10	7.4E-11	1.9E-10	4.0E-09	9.2E-10
Naphthalene	4.9E-11	6.6E-10	2.6E-09	6.0E-10	5.0E-11	6.6E-10	2.7E-09	6.2E-10	4.4E-11	6.6E-10	2.4E-09	5.5E-10	4.2E-11	6.6E-10	2.3E-09	5.2E-10
Phenanthrene	5.8E-10	NV	3.2E-08	7.2E-09	4.3E-10	NV	2.3E-08	5.3E-09	3.0E-10	NV	1.6E-08	3.7E-09	2.8E-10	NV	1.5E-08	3.4E-09
Pyrene	1.5E-09	1.8E-10	8.0E-08	1.8E-08	1.1E-09	1.8E-10	5.7E-08	1.3E-08	7.5E-10	1.8E-10	4.1E-08	9.3E-09	5.9E-10	1.8E-10	3.2E-08	7.3E-09
Pesticides																
4,4-DDE	5.6E-11	5.1E-12	1.0E-09	6.9E-10	1.1E-11	5.1E-12	2.0E-10	1.4E-10	1.1E-11	5.1E-12	2.1E-10	1.4E-10	1.1E-11	5.1E-12	2.1E-10	1.4E-10
4,4-DDT	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10	2.7E-11	NV	5.0E-10	3.4E-10
alpha-Chlordane	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09	1.1E-10	NV	2.0E-09	1.4E-09
Dieldrin	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10	6.1E-11	NV	1.1E-09	7.6E-10
gamma-Chlordane	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09	1.2E-10	NV	2.1E-09	1.5E-09
Polychlorinated Biphenyls																
Total PCBs	1.5E-09	1.8E-09	8.1E-08	1.8E-08	1.4E-09	1.8E-09	7.7E-08	1.8E-08	1.3E-09	1.8E-09	7.3E-08	1.7E-08	1.3E-09	1.8E-09	6.9E-08	1.6E-08
Total Petroleum Hydrocarbons																
TPH as diesel	7.1E-07	8.3E-05	2.6E-05	8.7E-06	4.4E-07	8.3E-05	1.6E-05	5.4E-06	2.8E-07	8.3E-05	1.0E-05	3.5E-06	2.2E-07	8.3E-05	8.0E-06	2.7E-06
TPH as motor oil	1.5E-06	NV	5.4E-05	1.9E-05	1.1E-06	NV	3.8E-05	1.3E-05	9.7E-07	NV	3.5E-05	1.2E-05	7.7E-07	NV	2.8E-05	9.6E-06
Dioxins/Furans																
TEQ Human	5.4E-13	2.2E-13	5.8E-12	6.7E-12	5.8E-13	2.2E-13	6.2E-12	7.1E-12	6.2E-13	2.2E-13	6.8E-12	7.7E-12	5.8E-13	2.2E-13	6.2E-12	7.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	2.0E-11	NV	1.0E-08	3.6E-07	2.0E-11	NV	1.4E-09	3.3E-08	2.3E-11	NV	1.2E-08	4.2E-07	2.3E-11	NV	1.7E-09	3.9E-08
Chromium, Hexavalent	4.5E-10	NV	NA	8.2E-06	4.5E-10	NV	NA	7.7E-07	2.9E-10	NV	NA	5.3E-06	2.9E-10	NV	NA	5.0E-07
Chromium, total	1.1E-09	NV	5.6E-07	1.9E-05	1.1E-09	NV	7.7E-08	1.8E-06	1.5E-09	NV	7.8E-07	2.7E-05	1.5E-09	NV	1.1E-07	2.5E-06
Copper	6.8E-10	NV	3.6E-07	1.2E-05	6.8E-10	NV	4.8E-08	1.1E-06	7.6E-10	NV	4.0E-07	1.4E-05	7.6E-10	NV	5.5E-08	1.3E-06
Cyanide	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09	3.5E-12	NV	1.9E-09	6.4E-08	3.5E-12	NV	2.5E-10	6.0E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	7.2E-12	NV	3.8E-09	1.3E-07	7.2E-12	NV	5.2E-10	1.2E-08	2.2E-11	NV	1.1E-08	3.9E-07	2.2E-11	NV	1.6E-09	3.7E-08
Nitrate	NS	NV	NS	NS	NS	NV	NS	NS	2.7E-10	NV	1.4E-07	5.0E-06	2.7E-10	NV	2.0E-08	4.7E-07
Phosphate	NS	NV	NS	NS	NS	NV	NS	NS	1.0E-09	NV	5.4E-07	1.9E-05	1.0E-09	NV	7.4E-08	1.8E-06
Thallium	ND	NV	ND	ND	ND	NV	ND	ND	2.2E-11	NV	1.2E-08	4.0E-07	2.2E-11	NV	1.6E-09	3.7E-08
Zinc	1.1E-09	NV	6.0E-07	2.1E-05	1.1E-09	NV	8.2E-08	1.9E-06	1.3E-09	NV	7.0E-07	2.4E-05	1.3E-09	NV	9.5E-08	2.3E-06
Volatile Organic Compounds																
Bromomethane	ND	2.2E-07	ND	ND	ND	2.2E-07	ND	ND	4.2E-13	2.2E-07	2.2E-09	7.6E-09	4.2E-13	2.2E-07	3.0E-10	7.1E-10
Chloro methane	ND	1.2E-07	ND	ND	ND	1.2E-07	ND	ND	1.8E-13	1.2E-07	9.3E-10	3.2E-09	1.8E-13	1.2E-07	1.3E-10	3.0E-10
Chloroform	ND	5.0E-08	ND	ND	ND	5.0E-08	ND	ND	1.8E-13	5.0E-08	9.3E-10	3.2E-09	1.8E-13	5.0E-08	1.3E-10	3.0E-10
Isophorone	4.5E-11	NV	2.4E-07	8.2E-07	4.5E-11	NV	3.2E-08	7.7E-08	4.6E-10	NV	2.4E-06	8.4E-06	4.6E-10	NV	3.3E-07	7.8E-07
Methyl acetate	ND	3.6E-08	ND	ND	ND	3.6E-08	ND	ND	2.7E-13	3.6E-08	1.4E-09	5.0E-09	2.7E-13	3.6E-08	2.0E-10	4.7E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	6.9E-12	NV	3.6E-08	1.3E-07	6.9E-12	NV	5.0E-09	1.2E-08	5.6E-12	NV	2.9E-08	1.0E-07	5.6E-12	NV	4.0E-09	9.5E-09
bis (2-ethylhexyl) phthalate	1.0E-11	NV	5.4E-08	1.9E-07	1.0E-11	NV	7.4E-09	1.8E-08	7.8E-12	NV	4.1E-08	1.4E-07	7.8E-12	NV	5.6E-09	1.3E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	7.3E-14	1.1E-09	5.7E-10	1.3E-09	7.3E-14	1.1E-09	7.8E-11	1.2E-10	6.8E-14	1.1E-09	5.4E-10	1.2E-09	6.8E-14	1.1E-09	7.4E-11	1.2E-10
2-Methyl naphthalene	1.7E-13	2.6E-09	1.3E-09	3.1E-09	1.7E-13	2.6E-09	1.8E-10	2.9E-10	1.7E-13	2.6E-09	1.3E-09	3.0E-09	1.7E-13	2.6E-09	1.8E-10	2.8E-10
Acenaphthene	1.5E-13	9.5E-10	1.2E-09	2.7E-09	1.5E-13	9.5E-10	1.6E-10	2.5E-10	1.5E-13	9.5E-10	1.2E-09	2.7E-09	1.5E-13	9.5E-10	1.6E-10	2.6E-10
Acenaphthylene	1.4E-13	NV	1.1E-09	2.6E-09	1.4E-13	NV	1.5E-10	2.4E-10	1.5E-13	NV	1.2E-09	2.7E-09	1.5E-13	NV	1.6E-10	2.5E-10
Anthracene	2.4E-13	3.2E-10	1.9E-09	4.3E-09	2.4E-13	3.2E-10	2.6E-10	4.1E-10	2.0E-13	3.2E-10	1.6E-09	3.6E-09	2.0E-13	3.2E-10	2.2E-10	3.4E-10
Benzo (ghi) perylene	7.5E-13	NV	5.9E-09	1.4E-08	7.5E-13	NV	8.0E-10	1.3E-09	6.2E-13	NV	4.9E-09	1.1E-08	6.2E-13	NV	6.6E-10	1.0E-09
Fluoranthene	3.1E-12	NV	2.4E-08	5.6E-08	3.1E-12	NV	3.3E-09	5.2E-09	2.2E-12	NV	1.8E-08	4.1E-08	2.2E-12	NV	2.4E-09	3.8E-09

Table OCSxBCW-B2.2c
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]				Adult Camper (0 to 0.5 feet bgs)[a]				Child Camper (0 to 3 feet bgs)[a]				Adult Camper (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	1.4E-13	4.9E-10	1.1E-09	2.6E-09	1.4E-13	4.9E-10	1.5E-10	2.4E-10	1.5E-13	4.9E-10	1.2E-09	2.7E-09	1.5E-13	4.9E-10	1.6E-10	2.5E-10
Naphthalene	8.6E-14	1.7E-09	6.8E-10	1.6E-09	8.6E-14	1.7E-09	9.2E-11	1.5E-10	8.8E-14	1.7E-09	7.0E-10	1.6E-09	8.8E-14	1.7E-09	9.5E-11	1.5E-10
Phenanthrene	1.0E-12	NV	8.1E-09	1.9E-08	1.0E-12	NV	1.1E-09	1.8E-09	7.6E-13	NV	6.0E-09	1.4E-08	7.6E-13	NV	8.2E-10	1.3E-09
Pyrene	2.6E-12	4.6E-10	2.1E-08	4.7E-08	2.6E-12	4.6E-10	2.8E-09	4.4E-09	1.9E-12	4.6E-10	1.5E-08	3.4E-08	1.9E-12	4.6E-10	2.0E-09	3.2E-09
Pesticides																
4,4-DDE	9.8E-14	1.3E-11	2.6E-10	1.8E-09	9.8E-14	1.3E-11	3.5E-11	1.7E-10	2.0E-14	1.3E-11	5.2E-11	3.6E-10	2.0E-14	1.3E-11	7.1E-12	3.4E-11
4,4-DDT	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11	4.8E-14	NV	1.3E-10	8.8E-10	4.8E-14	NV	1.7E-11	8.2E-11
alpha-Chlordane	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10	1.9E-13	NV	5.1E-10	3.5E-09	1.9E-13	NV	6.9E-11	3.3E-10
Dieldrin	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10	1.1E-13	NV	2.8E-10	2.0E-09	1.1E-13	NV	3.9E-11	1.8E-10
gamma-Chlordane	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10	2.1E-13	NV	5.5E-10	3.8E-09	2.1E-13	NV	7.5E-11	3.6E-10
Polychlorinated Biphenyls																
Total PCBs	2.6E-12	4.7E-09	2.1E-08	4.8E-08	2.6E-12	4.7E-09	2.8E-09	4.5E-09	2.5E-12	4.7E-09	2.0E-08	4.5E-08	2.5E-12	4.7E-09	2.7E-09	4.2E-09
Total Petroleum Hydrocarbons																
TPH as diesel	1.2E-09	2.1E-04	6.6E-06	2.3E-05	1.2E-09	2.1E-04	9.0E-07	2.1E-06	7.8E-10	2.1E-04	4.1E-06	1.4E-05	7.8E-10	2.1E-04	5.6E-07	1.3E-06
TPH as motor oil	2.6E-09	NV	1.4E-05	4.8E-05	2.6E-09	NV	1.9E-06	4.5E-06	1.9E-09	NV	9.7E-06	3.4E-05	1.9E-09	NV	1.3E-06	3.2E-06
Dioxins/Furans																
TEQ Human	9.5E-16	5.7E-13	1.5E-12	1.7E-11	9.5E-16	5.7E-13	2.0E-13	1.6E-12	1.0E-15	5.7E-13	1.6E-12	1.8E-11	1.0E-15	5.7E-13	2.2E-13	1.7E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	3.9E-11	NV	2.1E-08	7.1E-07	3.9E-11	NV	2.8E-09	6.7E-08	4.6E-11	NV	2.4E-08	8.4E-07	4.6E-11	NV	3.3E-09	7.9E-08
Chromium, Hexavalent	9.0E-10	NV	NA	1.6E-05	9.0E-10	NV	NA	1.5E-06	5.9E-10	NV	NA	1.1E-05	5.9E-10	NV	NA	1.0E-06
Chromium, total	2.1E-09	NV	1.1E-06	3.9E-05	2.1E-09	NV	1.5E-07	3.6E-06	3.0E-09	NV	1.6E-06	5.4E-05	3.0E-09	NV	2.1E-07	5.1E-06
Copper	1.4E-09	NV	7.1E-07	2.4E-05	1.4E-09	NV	9.7E-08	2.3E-06	1.5E-09	NV	8.0E-07	2.8E-05	1.5E-09	NV	1.1E-07	2.6E-06
Cyanide	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08	7.1E-12	NV	3.7E-09	1.3E-07	7.1E-12	NV	5.1E-10	1.2E-08
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.4E-11	NV	7.6E-09	2.6E-07	1.4E-11	NV	1.0E-09	2.4E-08	4.3E-11	NV	2.3E-08	7.8E-07	4.3E-11	NV	3.1E-09	7.3E-08
Nitrate	NS	NV	NS	NS	NS	NV	NS	NS	5.5E-10	NV	2.9E-07	9.9E-06	5.5E-10	NV	3.9E-08	9.3E-07
Phosphate	NS	NV	NS	NS	NS	NV	NS	NS	2.1E-09	NV	1.1E-06	3.8E-05	2.1E-09	NV	1.5E-07	3.5E-06
Thallium	ND	NV	ND	ND	ND	NV	ND	ND	4.4E-11	NV	2.3E-08	7.9E-07	4.4E-11	NV	3.1E-09	7.5E-08
Zinc	2.3E-09	NV	1.2E-06	4.1E-05	2.3E-09	NV	1.6E-07	3.9E-06	2.7E-09	NV	1.4E-06	4.8E-05	2.7E-09	NV	1.9E-07	4.5E-06
Volatile Organic Compounds																
Bromomethane	ND	4.5E-07	ND	ND	ND	4.5E-07	ND	ND	8.4E-13	4.5E-07	4.4E-09	1.5E-08	8.4E-13	4.5E-07	6.0E-10	1.4E-09
Chloro methane	ND	2.4E-07	ND	ND	ND	2.4E-07	ND	ND	3.5E-13	2.4E-07	1.9E-09	6.4E-09	3.5E-13	2.4E-07	2.5E-10	6.0E-10
Chloroform	ND	1.0E-07	ND	ND	ND	1.0E-07	ND	ND	3.5E-13	1.0E-07	1.9E-09	6.4E-09	3.5E-13	1.0E-07	2.5E-10	6.0E-10
Isophorone	9.0E-11	NV	4.7E-07	1.6E-06	9.0E-11	NV	6.5E-08	1.5E-07	9.2E-10	NV	4.8E-06	1.7E-05	9.2E-10	NV	6.6E-07	1.6E-06
Methyl acetate	ND	7.3E-08	ND	ND	ND	7.3E-08	ND	ND	5.5E-13	7.3E-08	2.9E-09	9.9E-09	5.5E-13	7.3E-08	3.9E-10	9.3E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-11	NV	7.3E-08	2.5E-07	1.4E-11	NV	9.9E-09	2.4E-08	1.1E-11	NV	5.8E-08	2.0E-07	1.1E-11	NV	8.0E-09	1.9E-08
bis (2-ethylhexyl) phthalate	2.1E-11	NV	1.1E-07	3.7E-07	2.1E-11	NV	1.5E-08	3.5E-08	1.6E-11	NV	8.2E-08	2.8E-07	1.6E-11	NV	1.1E-08	2.6E-08
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.5E-13	2.2E-09	1.1E-09	2.6E-09	1.5E-13	2.2E-09	1.6E-10	2.5E-10	1.4E-13	2.2E-09	1.1E-09	2.5E-09	1.4E-13	2.2E-09	1.5E-10	2.3E-10
2-Methyl naphthalene	3.4E-13	5.1E-09	2.7E-09	6.1E-09	3.4E-13	5.1E-09	3.6E-10	5.8E-10	3.4E-13	5.1E-09	2.6E-09	6.1E-09	3.4E-13	5.1E-09	3.6E-10	5.7E-10
Acenaphthene	3.0E-13	1.9E-09	2.3E-09	5.4E-09	3.0E-13	1.9E-09	3.2E-10	5.0E-10	3.0E-13	1.9E-09	2.4E-09	5.5E-09	3.0E-13	1.9E-09	3.2E-10	5.1E-10
Acenaphthylene	2.9E-13	NV	2.3E-09	5.2E-09	2.9E-13	NV	3.1E-10	4.9E-10	2.9E-13	NV	2.3E-09	5.3E-09	2.9E-13	NV	3.2E-10	5.0E-10
Anthracene	4.8E-13	6.3E-10	3.8E-09	8.7E-09	4.8E-13	6.3E-10	5.1E-10	8.1E-10	4.0E-13	6.3E-10	3.2E-09	7.2E-09	4.0E-13	6.3E-10	4.3E-10	6.8E-10
Benzo (ghi) perylene	1.5E-12	NV	1.2E-08	2.7E-08	1.5E-12	NV	1.6E-09	2.5E-09	1.2E-12	NV	9.7E-09	2.2E-08	1.2E-12	NV	1.3E-09	2.1E-09
Fluoranthene	6.1E-12	NV	4.8E-08	1.1E-07	6.1E-12	NV	6.6E-09	1.0E-08	4.5E-12	NV	3.5E-08	8.1E-08	4.5E-12	NV	4.8E-09	7.6E-09

Table OCSxBCW-B2.2d
Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]				Adult Hiker (0 to 0.5 feet bgs)[a]				Child Hiker (0 to 3 feet bgs)[a]				Adult Hiker (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	2.9E-13	9.9E-10	2.3E-09	5.2E-09	2.9E-13	9.9E-10	3.1E-10	4.9E-10	3.0E-13	9.9E-10	2.4E-09	5.4E-09	3.0E-13	9.9E-10	3.2E-10	5.1E-10
Naphthalene	1.7E-13	3.4E-09	1.4E-09	3.1E-09	1.7E-13	3.4E-09	1.8E-10	2.9E-10	1.8E-13	3.4E-09	1.4E-09	3.2E-09	1.8E-13	3.4E-09	1.9E-10	3.0E-10
Phenanthrene	2.1E-12	NV	1.6E-08	3.7E-08	2.1E-12	NV	2.2E-09	3.5E-09	1.5E-12	NV	1.2E-08	2.8E-08	1.5E-12	NV	1.6E-09	2.6E-09
Pyrene	5.2E-12	9.2E-10	4.1E-08	9.5E-08	5.2E-12	9.2E-10	5.6E-09	8.9E-09	3.7E-12	9.2E-10	2.9E-08	6.7E-08	3.7E-12	9.2E-10	4.0E-09	6.3E-09
Pesticides																
4,4-DDE	2.0E-13	2.6E-11	5.2E-10	3.6E-09	2.0E-13	2.6E-11	7.1E-11	3.3E-10	4.0E-14	2.6E-11	1.0E-10	7.2E-10	4.0E-14	2.6E-11	1.4E-11	6.7E-11
4,4-DDT	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10	9.7E-14	NV	2.5E-10	1.8E-09	9.7E-14	NV	3.5E-11	1.6E-10
alpha-Chlordane	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10	3.9E-13	NV	1.0E-09	7.0E-09	3.9E-13	NV	1.4E-10	6.6E-10
Dieldrin	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10	2.2E-13	NV	5.7E-10	3.9E-09	2.2E-13	NV	7.8E-11	3.7E-10
gamma-Chlordane	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10	4.2E-13	NV	1.1E-09	7.6E-09	4.2E-13	NV	1.5E-10	7.1E-10
Polychlorinated Biphenyls																
Total PCBs	5.3E-12	9.3E-09	4.1E-08	9.5E-08	5.3E-12	9.3E-09	5.7E-09	8.9E-09	5.0E-12	9.3E-09	3.9E-08	9.1E-08	5.0E-12	9.3E-09	5.4E-09	8.5E-09
Total Petroleum Hydrocarbons																
TPH as diesel	2.5E-09	4.3E-04	1.3E-05	4.5E-05	2.5E-09	4.3E-04	1.8E-06	4.2E-06	1.6E-09	4.3E-04	8.2E-06	2.8E-05	1.6E-09	4.3E-04	1.1E-06	2.6E-06
TPH as motor oil	5.3E-09	NV	2.8E-05	9.6E-05	5.3E-09	NV	3.8E-06	9.0E-06	3.7E-09	NV	1.9E-05	6.7E-05	3.7E-09	NV	2.7E-06	6.3E-06
Dioxins/Furans																
TEQ Human	1.9E-15	1.1E-12	3.0E-12	3.4E-11	1.9E-15	1.1E-12	4.1E-13	3.2E-12	2.0E-15	1.1E-12	3.2E-12	3.7E-11	2.0E-15	1.1E-12	4.4E-13	3.5E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.2e

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs:
Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Inorganics																
Antimony	3.9E-09	NV	3.8E-08	5.0E-08	3.9E-09	NV	3.2E-08	2.1E-08	4.7E-09	NV	4.4E-08	5.9E-08	4.7E-09	NV	3.8E-08	2.4E-08
Chromium, Hexavalent	9.1E-08	NV	NA	1.2E-06	9.1E-08	NV	NA	4.7E-07	5.9E-08	NV	NA	7.5E-07	5.9E-08	NV	NA	3.1E-07
Chromium, total	2.1E-07	NV	2.0E-06	2.7E-06	2.1E-07	NV	1.8E-06	1.1E-06	3.0E-07	NV	2.8E-06	3.8E-06	3.0E-07	NV	2.4E-06	1.6E-06
Copper	1.4E-07	NV	1.3E-06	1.7E-06	1.4E-07	NV	1.1E-06	7.1E-07	1.5E-07	NV	1.5E-06	1.9E-06	1.5E-07	NV	1.3E-06	8.0E-07
Cyanide	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09	7.1E-10	NV	6.8E-09	9.0E-09	7.1E-10	NV	5.8E-09	3.7E-09
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.4E-09	NV	1.4E-08	1.8E-08	1.4E-09	NV	1.2E-08	7.6E-09	4.3E-09	NV	4.1E-08	5.5E-08	4.3E-09	NV	3.5E-08	2.3E-08
Nitrate	NS	NV	NS	NS	NS	NV	NS	NS	5.5E-08	NV	5.2E-07	7.0E-07	5.5E-08	NV	4.5E-07	2.9E-07
Phosphate	NS	NV	NS	NS	NS	NV	NS	NS	2.1E-07	NV	2.0E-06	2.6E-06	2.1E-07	NV	1.7E-06	1.1E-06
Thallium	ND	NV	ND	ND	ND	NV	ND	ND	4.4E-09	NV	4.2E-08	5.6E-08	4.4E-09	NV	3.6E-08	2.3E-08
Zinc	2.3E-07	NV	2.2E-06	2.9E-06	2.3E-07	NV	1.9E-06	1.2E-06	2.7E-07	NV	2.5E-06	3.4E-06	2.7E-07	NV	2.2E-06	1.4E-06
Volatile Organic Compounds																
Bromomethane	ND	2.8E-08	ND	ND	ND	2.8E-08	ND	ND	8.4E-11	2.8E-08	8.0E-09	1.1E-09	8.4E-11	2.8E-08	6.9E-09	4.4E-10
Chloro methane	ND	1.5E-08	ND	ND	ND	1.5E-08	ND	ND	3.6E-11	1.5E-08	3.4E-09	4.5E-10	3.6E-11	1.5E-08	2.9E-09	1.9E-10
Chloroform	ND	6.3E-09	ND	ND	ND	6.3E-09	ND	ND	3.6E-11	6.3E-09	3.4E-09	4.5E-10	3.6E-11	6.3E-09	2.9E-09	1.9E-10
Isophorone	9.1E-09	NV	8.6E-07	1.2E-07	9.1E-09	NV	7.4E-07	4.7E-08	9.3E-08	NV	8.8E-06	1.2E-06	9.3E-08	NV	7.6E-06	4.8E-07
Methyl acetate	ND	4.6E-09	ND	ND	ND	4.6E-09	ND	ND	5.5E-11	4.6E-09	5.2E-09	7.0E-10	5.5E-11	4.6E-09	4.5E-09	2.9E-10
Semi-Volatile Organic Compounds																
4-Methylphenol	1.4E-09	NV	1.3E-07	1.8E-08	1.4E-09	NV	1.1E-07	7.3E-09	1.1E-09	NV	1.1E-07	1.4E-08	1.1E-09	NV	9.1E-08	5.8E-09
bis (2-ethylhexyl) phthalate	2.1E-09	NV	2.0E-07	2.6E-08	2.1E-09	NV	1.7E-07	1.1E-08	1.6E-09	NV	1.5E-07	2.0E-08	1.6E-09	NV	1.3E-07	8.2E-09
Butylbenzylphthalate	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND	ND	NV	ND	ND
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	1.5E-11	1.4E-10	2.1E-09	1.9E-10	1.5E-11	1.4E-10	1.8E-09	7.6E-11	1.4E-11	1.4E-10	2.0E-09	1.7E-10	1.4E-11	1.4E-10	1.7E-09	7.2E-11
2-Methyl naphthalene	3.4E-11	3.2E-10	4.9E-09	4.3E-10	3.4E-11	3.2E-10	4.2E-09	1.8E-10	3.4E-11	3.2E-10	4.8E-09	4.3E-10	3.4E-11	3.2E-10	4.1E-09	1.8E-10
Acenaphthene	3.0E-11	1.2E-10	4.3E-09	3.8E-10	3.0E-11	1.2E-10	3.6E-09	1.6E-10	3.0E-11	1.2E-10	4.3E-09	3.8E-10	3.0E-11	1.2E-10	3.7E-09	1.6E-10
Acenaphthylene	2.9E-11	NV	4.1E-09	3.6E-10	2.9E-11	NV	3.5E-09	1.5E-10	3.0E-11	NV	4.2E-09	3.8E-10	3.0E-11	NV	3.6E-09	1.6E-10
Anthracene	4.8E-11	4.0E-11	6.8E-09	6.1E-10	4.8E-11	4.0E-11	5.9E-09	2.5E-10	4.0E-11	4.0E-11	5.7E-09	5.1E-10	4.0E-11	4.0E-11	4.9E-09	2.1E-10
Benzo (ghi) perylene	1.5E-10	NV	2.1E-08	1.9E-09	1.5E-10	NV	1.8E-08	7.8E-10	1.2E-10	NV	1.8E-08	1.6E-09	1.2E-10	NV	1.5E-08	6.5E-10
Fluoranthene	6.1E-10	NV	8.8E-08	7.8E-09	6.1E-10	NV	7.5E-08	3.2E-09	4.5E-10	NV	6.4E-08	5.7E-09	4.5E-10	NV	5.5E-08	2.4E-09

Table OCSxBCW-B2.2e

Baseline Scenario Exposure Concentration and Dose Calculations for Noncarcinogenic Effects for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]				Adult OHV Rider (0 to 0.5 feet bgs)[a]				Child OHV Rider (0 to 3 feet bgs)[a]				Adult OHV Rider (0 to 3 feet bgs)[a]			
	Soil Pathway				Soil Pathway				Soil Pathway				Soil Pathway			
	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)	EC: Particulate Inhalation (mg/m^3)	EC: Outdoor Vapor Inhalation (mg/m^3)	CDI: Dermal Contact (mg/kg-day)	CDI: Ingestion (mg/kg-day)
Fluorene	2.9E-11	6.2E-11	4.1E-09	3.7E-10	2.9E-11	6.2E-11	3.5E-09	1.5E-10	3.0E-11	6.2E-11	4.3E-09	3.8E-10	3.0E-11	6.2E-11	3.7E-09	1.6E-10
Naphthalene	1.7E-11	2.1E-10	2.5E-09	2.2E-10	1.7E-11	2.1E-10	2.1E-09	9.0E-11	1.8E-11	2.1E-10	2.5E-09	2.2E-10	1.8E-11	2.1E-10	2.2E-09	9.3E-11
Phenanthrene	2.1E-10	NV	3.0E-08	2.6E-09	2.1E-10	NV	2.5E-08	1.1E-09	1.5E-10	NV	2.2E-08	1.9E-09	1.5E-10	NV	1.9E-08	8.0E-10
Pyrene	5.2E-10	5.7E-11	7.5E-08	6.7E-09	5.2E-10	5.7E-11	6.4E-08	2.7E-09	3.7E-10	5.7E-11	5.3E-08	4.7E-09	3.7E-10	5.7E-11	4.6E-08	1.9E-09
Pesticides																
4,4-DDE	2.0E-11	1.6E-12	9.4E-10	2.5E-10	2.0E-11	1.6E-12	8.1E-10	1.0E-10	4.0E-12	1.6E-12	1.9E-10	5.1E-11	4.0E-12	1.6E-12	1.6E-10	2.1E-11
4,4-DDT	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11	9.7E-12	NV	4.6E-10	1.2E-10	9.7E-12	NV	4.0E-10	5.1E-11
alpha-Chlordane	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10	3.9E-11	NV	1.8E-09	4.9E-10	3.9E-11	NV	1.6E-09	2.0E-10
Dieldrin	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10	2.2E-11	NV	1.0E-09	2.8E-10	2.2E-11	NV	8.9E-10	1.1E-10
gamma-Chlordane	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10	4.2E-11	NV	2.0E-09	5.3E-10	4.2E-11	NV	1.7E-09	2.2E-10
Polychlorinated Biphenyls																
Total PCBs	5.3E-10	5.8E-10	7.5E-08	6.7E-09	5.3E-10	5.8E-10	6.5E-08	2.8E-09	5.0E-10	5.8E-10	7.2E-08	6.4E-09	5.0E-10	5.8E-10	6.1E-08	2.6E-09
Total Petroleum Hydrocarbons																
TPH as diesel	2.5E-07	2.7E-05	2.4E-05	3.2E-06	2.5E-07	2.7E-05	2.0E-05	1.3E-06	1.6E-07	2.7E-05	1.5E-05	2.0E-06	1.6E-07	2.7E-05	1.3E-05	8.2E-07
TPH as motor oil	5.3E-07	NV	5.1E-05	6.7E-06	5.3E-07	NV	4.3E-05	2.8E-06	3.7E-07	NV	3.5E-05	4.7E-06	3.7E-07	NV	3.0E-05	1.9E-06
Dioxins/Furans																
TEQ Human	1.9E-13	7.1E-14	5.4E-12	2.4E-12	1.9E-13	7.1E-14	4.7E-12	1.0E-12	2.0E-13	7.1E-14	5.8E-12	2.6E-12	2.0E-13	7.1E-14	5.0E-12	1.1E-12

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
bgs = below ground surface.
CDI = Chronic Daily Intake.
COPC = Constituent of Potential Concern.
EC = Exposure Concentration.
mg/kg-day = milligrams per kilogram per day.
mg/m^3 = milligrams per cubic meter.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.3a
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	2.2E-06	NV	NA	9.0E-08	2.3E-06	1.4E-06	NV	NA	5.9E-08	1.5E-06	8.5E-07	NV	NA	3.5E-08	8.9E-07	6.3E-07	NV	NA	2.6E-08	6.6E-07
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.4E-10	ND	ND	1.4E-10	1.3E-13	1.4E-10	3.2E-12	2.2E-12	1.5E-10	1.2E-13	1.4E-10	2.9E-12	2.0E-12	1.4E-10	9.0E-14	1.4E-10	2.2E-12	1.5E-12	1.4E-10
Isophorone	NC	NC	2.5E-11	1.7E-11	4.2E-11	NC	NC	2.6E-10	1.8E-10	4.3E-10	NC	NC	2.5E-10	1.7E-10	4.3E-10	NC	NC	1.5E-10	1.0E-10	2.6E-10
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	8.0E-13	NV	8.5E-11	5.8E-11	1.4E-10	6.0E-13	NV	6.4E-11	4.4E-11	1.1E-10	9.2E-13	NV	9.7E-11	6.6E-11	1.6E-10	6.3E-13	NV	6.7E-11	4.6E-11	1.1E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	2.3E-10	1.6E-10	3.9E-10
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.7E-14	9.8E-13	1.9E-12	8.4E-13	3.7E-12	1.6E-14	9.8E-13	1.7E-12	7.9E-13	3.5E-12	1.5E-14	9.8E-13	1.6E-12	7.2E-13	3.3E-12	1.4E-14	9.8E-13	1.5E-12	6.9E-13	3.2E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B2.3a
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	9.4E-14	7.1E-12	9.0E-12	4.1E-12	2.0E-11	9.7E-14	7.1E-12	9.3E-12	4.2E-12	2.1E-11	8.6E-14	7.1E-12	8.3E-12	3.8E-12	1.9E-11	8.2E-14	7.1E-12	7.9E-12	3.6E-12	1.9E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	3.1E-13	1.6E-13	9.8E-12	1.3E-11	2.4E-11	6.2E-14	1.6E-13	2.0E-12	2.7E-12	4.9E-12	6.3E-14	1.6E-13	2.0E-12	2.7E-12	5.0E-12	6.3E-14	1.6E-13	2.0E-12	2.7E-12	5.0E-12
4,4-DDT	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11	1.5E-13	NV	4.8E-12	6.6E-12	1.2E-11
alpha-Chlordane	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10	2.1E-12	NV	7.4E-11	1.0E-10	1.8E-10
Dieldrin	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09	1.6E-11	NV	5.1E-10	6.9E-10	1.2E-09
gamma-Chlordane	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10	2.3E-12	NV	8.0E-11	1.1E-10	1.9E-10
Polychlorinated Biphenyls																				
Total PCBs	4.8E-11	3.2E-10	4.6E-09	2.1E-09	7.1E-09	4.6E-11	3.2E-10	4.4E-09	2.0E-09	6.8E-09	4.4E-11	3.2E-10	4.2E-09	1.9E-09	6.4E-09	4.1E-11	3.2E-10	3.9E-09	1.8E-09	6.1E-09
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	1.2E-09	2.6E-09	2.2E-08	4.9E-08	7.5E-08	1.2E-09	2.6E-09	2.3E-08	5.3E-08	8.0E-08	1.4E-09	2.6E-09	2.5E-08	5.7E-08	8.6E-08	1.2E-09	2.6E-09	2.3E-08	5.3E-08	8.0E-08
Cumulative ILCR	**2E-06**	**3E-09**	**3E-08**	**1E-07**	**2E-06**	**1E-06**	**3E-09**	**3E-08**	**1E-07**	**2E-06**	**9E-07**	**3E-09**	**3E-08**	**1E-07**	**1E-06**	**6E-07**	**3E-09**	**3E-08**	**8E-08**	**7E-07**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.3b
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics																				
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.6E-05	NV	NA	6.8E-07	1.7E-05	1.1E-05	NV	NA	4.4E-07	1.1E-05	6.4E-06	NV	NA	2.6E-07	6.7E-06	4.8E-06	NV	NA	2.0E-07	5.0E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds																				
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chloroform	ND	1.9E-10	ND	ND	1.9E-10	9.9E-13	1.9E-10	4.8E-11	1.7E-11	2.6E-10	8.9E-13	1.9E-10	4.3E-11	1.5E-11	2.5E-10	6.8E-13	1.9E-10	3.3E-11	1.1E-11	2.4E-10
Isophorone	NC	NC	3.8E-10	1.3E-10	5.1E-10	NC	NC	3.8E-09	1.3E-09	5.2E-09	NC	NC	3.8E-09	1.3E-09	5.1E-09	NC	NC	2.3E-09	7.9E-10	3.1E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds																				
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	6.0E-12	NV	1.3E-09	4.3E-10	1.7E-09	4.5E-12	NV	9.6E-10	3.3E-10	1.3E-09	6.9E-12	NV	1.5E-09	5.0E-10	2.0E-09	4.8E-12	NV	1.0E-09	3.4E-10	1.4E-09
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--	ND	NC	ND	ND	--	NC	NC	3.5E-09	1.2E-09	4.7E-09
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.3E-13	1.3E-12	2.8E-11	6.3E-12	3.6E-11	1.2E-13	1.3E-12	2.6E-11	6.0E-12	3.4E-11	1.1E-13	1.3E-12	2.4E-11	5.4E-12	3.1E-11	1.0E-13	1.3E-12	2.3E-11	5.2E-12	2.9E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B2.3b
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)[1]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	7.1E-13	9.7E-12	1.4E-10	3.1E-11	1.8E-10	7.3E-13	9.7E-12	1.4E-10	3.2E-11	1.8E-10	6.5E-13	9.7E-12	1.2E-10	2.8E-11	1.6E-10	6.1E-13	9.7E-12	1.2E-10	2.7E-11	1.5E-10
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides																				
4,4-DDE	2.3E-12	2.1E-13	1.5E-10	1.0E-10	2.5E-10	4.7E-13	2.1E-13	3.0E-11	2.0E-11	5.1E-11	4.7E-13	2.1E-13	3.0E-11	2.1E-11	5.1E-11	4.7E-13	2.1E-13	3.0E-11	2.1E-11	5.1E-11
4,4-DDT	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10	1.1E-12	NV	7.2E-11	4.9E-11	1.2E-10
alpha-Chlordane	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09	1.6E-11	NV	1.1E-09	7.6E-10	1.9E-09
Dieldrin	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08	1.2E-10	NV	7.6E-09	5.2E-09	1.3E-08
gamma-Chlordane	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09	1.7E-11	NV	1.2E-09	8.2E-10	2.0E-09
Polychlorinated Biphenyls																				
Total PCBs	3.6E-10	4.4E-10	6.9E-08	1.6E-08	8.6E-08	3.5E-10	4.4E-10	6.6E-08	1.5E-08	8.2E-08	3.3E-10	4.4E-10	6.2E-08	1.4E-08	7.7E-08	3.1E-10	4.4E-10	5.9E-08	1.3E-08	7.3E-08
Total Petroleum Hydrocarbons																				
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Dioxins/Furans																				
TEQ Human	8.8E-09	3.6E-09	3.3E-07	3.7E-07	7.1E-07	9.4E-09	3.6E-09	3.5E-07	4.0E-07	7.6E-07	1.0E-08	3.6E-09	3.8E-07	4.3E-07	8.2E-07	9.4E-09	3.6E-09	3.5E-07	4.0E-07	7.6E-07
Cumulative ILCR	**2E-05**	**4E-09**	**4E-07**	**1E-06**	**2E-05**	**1E-05**	**4E-09**	**4E-07**	**9E-07**	**1E-05**	**6E-06**	**4E-09**	**5E-07**	**7E-07**	**8E-06**	**5E-06**	**4E-09**	**4E-07**	**6E-07**	**6E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.3c
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	7.0E-08	NV	NA	2.1E-06	2.2E-06	4.5E-08	NV	NA	1.4E-06	1.4E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	4.3E-10	ND	ND	4.3E-10	1.5E-15	4.3E-10	3.6E-12	1.1E-11	4.4E-10
Isophorone	NC	NC	2.8E-11	8.7E-11	1.2E-10	NC	NC	2.9E-10	8.9E-10	1.2E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	9.2E-15	NV	9.5E-11	2.9E-10	3.9E-10	6.9E-15	NV	7.1E-11	2.2E-10	2.9E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B2.3c
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	2.0E-16	3.0E-12	2.1E-12	4.3E-12	9.4E-12	1.8E-16	3.0E-12	1.9E-12	4.0E-12	9.0E-12
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	1.1E-15	2.2E-11	1.0E-11	2.1E-11	5.3E-11	1.1E-15	2.2E-11	1.0E-11	2.2E-11	5.4E-11
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	3.5E-15	4.7E-13	1.1E-11	6.8E-11	8.0E-11	7.1E-16	4.7E-13	2.2E-12	1.4E-11	1.6E-11
4,4-DDT	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11	1.7E-15	NV	5.4E-12	3.4E-11	3.9E-11
alpha-Chlordane	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10	2.4E-14	NV	8.2E-11	5.1E-10	6.0E-10
Dieldrin	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09	1.8E-13	NV	5.7E-10	3.5E-09	4.1E-09
gamma-Chlordane	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10	2.6E-14	NV	8.9E-11	5.6E-10	6.4E-10
Polychlorinated Biphenyls										
Total PCBs	5.6E-13	9.8E-10	5.2E-09	1.1E-08	1.7E-08	5.3E-13	9.8E-10	4.9E-09	1.0E-08	1.6E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B2.3c
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User- Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Camper (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	1.3E-11	8.1E-09	2.4E-08	2.5E-07	2.8E-07	1.4E-11	8.1E-09	2.6E-08	2.7E-07	3.0E-07
Cumulative ILCR	**7E-08**	**1E-08**	**3E-08**	**2E-06**	**2E-06**	**5E-08**	**1E-08**	**3E-08**	**2E-06**	**2E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.3d
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	1.4E-07	NV	NA	4.2E-06	4.3E-06	9.1E-08	NV	NA	2.7E-06	2.8E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	8.5E-10	ND	ND	8.5E-10	3.0E-15	8.5E-10	7.2E-12	2.2E-11	8.8E-10
Isophorone	NC	NC	5.6E-11	1.7E-10	2.3E-10	NC	NC	5.7E-10	1.8E-09	2.4E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	1.8E-14	NV	1.9E-10	5.9E-10	7.8E-10	1.4E-14	NV	1.4E-10	4.4E-10	5.9E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B2.3d
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	3.9E-16	6.0E-12	4.1E-12	8.6E-12	1.9E-11	3.7E-16	6.0E-12	3.9E-12	8.1E-12	1.8E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	2.2E-15	4.3E-11	2.0E-11	4.2E-11	1.1E-10	2.2E-15	4.3E-11	2.1E-11	4.3E-11	1.1E-10
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-15	9.5E-13	2.2E-11	1.4E-10	1.6E-10	1.4E-15	9.5E-13	4.4E-12	2.7E-11	3.3E-11
4,4-DDT	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11	3.5E-15	NV	1.1E-11	6.7E-11	7.8E-11
alpha-Chlordane	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09	4.9E-14	NV	1.6E-10	1.0E-09	1.2E-09
Dieldrin	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09	3.7E-13	NV	1.1E-09	7.0E-09	8.2E-09
gamma-Chlordane	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09	5.3E-14	NV	1.8E-10	1.1E-09	1.3E-09
Polychlorinated Biphenyls										
Total PCBs	1.1E-12	2.0E-09	1.0E-08	2.1E-08	3.4E-08	1.1E-12	2.0E-09	9.8E-09	2.0E-08	3.2E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B2.3d
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult Hiker (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	2.7E-11	1.6E-08	4.9E-08	5.0E-07	5.7E-07	2.9E-11	1.6E-08	5.2E-08	5.4E-07	6.1E-07
Cumulative ILCR	**1E-07**	**2E-08**	**6E-08**	**5E-06**	**5E-06**	**9E-08**	**2E-08**	**6E-08**	**3E-06**	**3E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.3e
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Inorganics										
Antimony	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Chromium, Hexavalent	8.9E-06	NV	NA	2.4E-07	9.2E-06	5.8E-06	NV	NA	1.6E-07	6.0E-06
Chromium, total	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Copper	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Cyanide	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Lead	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Nitrate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Phosphate	NS	NC	NS	NS	--	NC	NC	NC	NC	--
Thallium	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Zinc	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Volatile Organic Compounds										
Bromomethane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloro methane	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Chloroform	ND	5.3E-11	ND	ND	5.3E-11	3.0E-13	5.3E-11	3.5E-11	2.9E-12	9.1E-11
Isophorone	NC	NC	2.7E-10	2.2E-11	2.9E-10	NC	NC	2.8E-09	2.3E-10	3.0E-09
Methyl acetate	ND	NC	ND	ND	--	NC	NC	NC	NC	--
Semi-Volatile Organic Compounds										
4-Methylphenol	NC	NC	NC	NC	--	NC	NC	NC	NC	--
bis (2-ethylhexyl) phthalate	1.8E-12	NV	9.1E-10	7.5E-11	9.9E-10	1.4E-12	NV	6.9E-10	5.6E-11	7.5E-10
Butylbenzylphthalate	ND	NC	ND	ND	--	ND	NC	ND	ND	--

Table OCSxBCW-B2.3e
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	3.9E-14	3.8E-13	2.0E-11	1.1E-12	2.2E-11	3.7E-14	3.8E-13	1.9E-11	1.0E-12	2.0E-11
2-Methyl naphthalene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Acenaphthylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Anthracene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Benzo (ghi) perylene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluoranthene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Fluorene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Naphthalene	2.2E-13	2.7E-12	9.8E-11	5.3E-12	1.1E-10	2.2E-13	2.7E-12	1.0E-10	5.5E-12	1.1E-10
Phenanthrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pyrene	NC	NC	NC	NC	--	NC	NC	NC	NC	--
Pesticides										
4,4-DDE	7.1E-13	5.9E-14	1.1E-10	1.7E-11	1.2E-10	1.4E-13	5.9E-14	2.1E-11	3.5E-12	2.5E-11
4,4-DDT	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11	3.5E-13	NV	5.2E-11	8.5E-12	6.1E-11
alpha-Chlordane	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10	4.9E-12	NV	8.0E-10	1.3E-10	9.3E-10
Dieldrin	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09	3.7E-11	NV	5.5E-09	9.0E-10	6.4E-09
gamma-Chlordane	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09	5.3E-12	NV	8.6E-10	1.4E-10	1.0E-09
Polychlorinated Biphenyls										
Total PCBs	1.1E-10	1.2E-10	5.0E-08	2.7E-09	5.3E-08	1.1E-10	1.2E-10	4.7E-08	2.6E-09	5.0E-08
Total Petroleum Hydrocarbons										
TPH as diesel	NC	NC	NC	NC	--	NC	NC	NC	NC	--
TPH as motor oil	NC	NC	NC	NC	--	NC	NC	NC	NC	--

Table OCSxBCW-B2.3e
Baseline Scenario ILCRs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Age-Adjusted Adult OHV Rider (0 to 0.5 feet bgs)[a]					Age-Adjusted Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Cancer Risk
Dioxins/Furans										
TEQ Human	2.7E-09	1.0E-09	2.3E-07	6.4E-08	3.0E-07	2.9E-09	1.0E-09	2.5E-07	6.9E-08	3.2E-07
Cumulative ILCR	**9E-06**	**1E-09**	**3E-07**	**3E-07**	**1E-05**	**6E-06**	**1E-09**	**3E-07**	**2E-07**	**6E-06**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
ILCR = Incremental Lifetime Cancer Risk.
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
NC = Not considered a carcinogen.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.4a
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.8E-04	NV	2.0E-03	1.4E-02	1.6E-02	3.3E-04	NV	2.4E-03	1.6E-02	1.9E-02	2.8E-04	NV	2.0E-03	1.4E-02	1.6E-02	2.7E-04	NV	2.0E-03	1.3E-02	1.6E-02
Chromium, Hexavalent	1.0E-02	NV	NA	4.2E-03	1.4E-02	6.6E-03	NV	NA	2.7E-03	9.4E-03	4.0E-03	NV	NA	1.6E-03	5.6E-03	3.0E-03	NV	NA	1.2E-03	4.2E-03
Chromium, total	4.0E-07	NV	2.9E-06	2.0E-05	2.3E-05	5.6E-07	NV	4.1E-06	2.8E-05	3.2E-05	5.5E-07	NV	4.0E-06	2.7E-05	3.2E-05	5.3E-07	NV	3.8E-06	2.6E-05	3.1E-05
Copper	9.6E-06	NV	6.9E-05	4.7E-04	5.5E-04	1.1E-05	NV	7.8E-05	5.3E-04	6.2E-04	8.0E-06	NV	5.8E-05	4.0E-04	4.6E-04	6.6E-06	NV	4.8E-05	3.3E-04	3.8E-04
Cyanide	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05	1.0E-05	NV	7.3E-07	5.0E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	5.4E-04	NV	1.8E-04	1.3E-03	2.0E-03	1.6E-03	NV	5.5E-04	3.8E-03	6.0E-03	2.7E-03	NV	9.2E-04	6.3E-03	9.9E-03	1.9E-03	NV	6.4E-04	4.4E-03	6.9E-03
Nitrate	NS	NV	NS	NS	--	9.7E-08	NV	7.0E-07	4.8E-06	5.6E-06	1.7E-07	NV	1.2E-06	8.2E-06	9.6E-06	1.7E-07	NV	1.2E-06	8.2E-06	9.6E-06
Phosphate	NS	NV	NS	NS	--	1.2E-08	NV	8.7E-08	5.9E-07	6.9E-07	1.2E-08	NV	8.7E-08	5.9E-07	6.9E-07	1.2E-08	NV	8.7E-08	5.9E-07	6.9E-07
Thallium	ND	NV	ND	ND	--	1.2E-03	NV	9.0E-03	6.1E-02	7.2E-02	1.2E-03	NV	8.9E-03	6.1E-02	7.1E-02	1.2E-03	NV	8.9E-03	6.1E-02	7.1E-02
Zinc	2.2E-06	NV	1.6E-05	1.1E-04	1.2E-04	2.5E-06	NV	1.8E-05	1.2E-04	1.4E-04	2.2E-06	NV	1.6E-05	1.1E-04	1.3E-04	2.1E-06	NV	1.5E-05	1.0E-04	1.2E-04
Volatile Organic Compounds																				
Bromomethane	ND	1.0E-05	ND	ND	1.0E-05	5.0E-09	1.0E-05	5.7E-06	3.9E-06	2.0E-05	4.5E-09	1.0E-05	5.2E-06	3.5E-06	1.9E-05	3.4E-09	1.0E-05	3.9E-06	2.7E-06	1.7E-05
Chloro methane	ND	2.5E-06	ND	ND	2.5E-06	9.8E-10	2.5E-06	7.1E-08	4.9E-08	2.6E-06	9.0E-10	2.5E-06	6.5E-08	4.5E-08	2.6E-06	7.1E-10	2.5E-06	5.1E-08	3.5E-08	2.6E-06
Chloroform	ND	1.8E-06	ND	ND	1.8E-06	1.7E-09	1.8E-06	7.3E-08	5.0E-08	1.9E-06	1.5E-09	1.8E-06	6.5E-08	4.5E-08	1.9E-06	1.1E-09	1.8E-06	5.0E-08	3.4E-08	1.9E-06
Isophorone	5.1E-08	NV	6.2E-07	4.2E-07	1.1E-06	5.2E-07	NV	6.3E-06	4.3E-06	1.1E-05	5.2E-07	NV	6.2E-06	4.3E-06	1.1E-05	3.1E-07	NV	3.8E-06	2.6E-06	6.7E-06
Methyl acetate	ND	3.1E-06	ND	ND	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06	6.2E-09	3.1E-06	1.1E-09	7.7E-10	3.1E-06
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.6E-08	NV	2.8E-06	1.9E-06	4.8E-06	2.1E-08	NV	2.3E-06	1.6E-06	3.9E-06	1.9E-08	NV	2.1E-06	1.4E-06	3.5E-06	1.5E-08	NV	1.7E-06	1.1E-06	2.8E-06
bis (2-ethylhexyl) phthalate	2.9E-07	NV	4.2E-06	2.9E-06	7.4E-06	2.2E-07	NV	3.2E-06	2.2E-06	5.6E-06	3.3E-07	NV	4.8E-06	3.3E-06	8.5E-06	2.3E-07	NV	3.3E-06	2.3E-06	5.9E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.9E-08	NV	4.3E-06	2.9E-06	7.2E-06
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	5.9E-10	3.4E-08	6.4E-08	2.9E-08	1.3E-07	5.5E-10	3.4E-08	6.0E-08	2.7E-08	1.2E-07	5.0E-10	3.4E-08	5.4E-08	2.5E-08	1.1E-07	4.8E-10	3.4E-08	5.2E-08	2.4E-08	1.1E-07
2-Methyl naphthalene	2.4E-08	1.4E-06	2.6E-06	1.2E-06	5.2E-06	2.4E-08	1.4E-06	2.6E-06	1.2E-06	5.1E-06	2.1E-08	1.4E-06	2.2E-06	1.0E-06	4.7E-06	2.0E-08	1.4E-06	2.2E-06	9.9E-07	4.6E-06
Acenaphthene	1.4E-10	3.4E-09	1.5E-08	6.9E-09	2.6E-08	1.4E-10	3.4E-09	1.5E-08	7.1E-09	2.6E-08	1.2E-10	3.4E-09	1.3E-08	6.1E-09	2.3E-08	1.2E-10	3.4E-09	1.3E-08	5.9E-09	2.2E-08
Acenaphthylene	1.3E-10	NV	1.5E-08	6.7E-09	2.1E-08	1.4E-10	NV	1.5E-08	6.9E-09	2.2E-08	1.2E-10	NV	1.4E-08	6.2E-09	2.0E-08	1.2E-10	NV	1.3E-08	5.9E-09	1.9E-08
Anthracene	1.4E-11	6.7E-11	1.5E-09	6.7E-10	2.2E-09	1.1E-11	6.7E-11	1.2E-09	5.6E-10	1.9E-09	8.9E-12	6.7E-11	9.6E-10	4.4E-10	1.5E-09	8.5E-12	6.7E-11	9.3E-10	4.2E-10	1.4E-09
Benzo (ghi) perylene	1.4E-08	NV	1.5E-06	7.0E-07	2.2E-06	1.2E-08	NV	1.3E-06	5.8E-07	1.8E-06	8.9E-09	NV	9.6E-07	4.4E-07	1.4E-06	7.9E-09	NV	8.6E-07	3.9E-07	1.3E-06
Fluoranthene	4.3E-09	NV	4.7E-07	2.1E-07	6.9E-07	3.2E-09	NV	3.4E-07	1.6E-07	5.0E-07	2.2E-09	NV	2.4E-07	1.1E-07	3.5E-07	1.7E-09	NV	1.8E-07	8.4E-08	2.7E-07

Table OCSxBCW-B2.4a
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Short Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Short Term Maintenance Worker (0 to 3 feet bgs)[a]					Short Term Maintenance Worker (0 to 6 feet bgs)[a]					Short Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	2.0E-10	2.6E-09	2.2E-08	1.0E-08	3.5E-08	2.1E-10	2.6E-09	2.3E-08	1.0E-08	3.6E-08	1.8E-10	2.6E-09	2.0E-08	9.0E-09	3.2E-08	1.9E-10	2.6E-09	2.0E-08	9.2E-09	3.2E-08
Naphthalene	6.5E-08	4.8E-06	8.8E-09	4.0E-09	4.9E-06	6.7E-08	4.8E-06	9.0E-09	4.1E-09	4.9E-06	5.9E-08	4.8E-06	8.0E-09	3.7E-09	4.9E-06	5.6E-08	4.8E-06	7.6E-09	3.5E-09	4.9E-06
Phenanthrene	5.8E-11	NV	6.3E-09	2.9E-09	9.3E-09	4.3E-11	NV	4.7E-09	2.1E-09	6.8E-09	3.0E-11	NV	3.3E-09	1.5E-09	4.8E-09	2.8E-11	NV	3.0E-09	1.4E-09	4.4E-09
Pyrene	4.9E-09	3.2E-09	5.4E-07	2.4E-07	7.9E-07	3.5E-09	3.2E-09	3.8E-07	1.7E-07	5.6E-07	2.5E-09	3.2E-09	2.7E-07	1.2E-07	4.0E-07	2.0E-09	3.2E-09	2.1E-07	9.7E-08	3.2E-07
Pesticides																				
4,4-DDE	1.1E-07	5.6E-08	4.0E-06	5.5E-06	9.7E-06	2.2E-08	5.6E-08	8.1E-07	1.1E-06	2.0E-06	2.3E-08	5.6E-08	8.3E-07	1.1E-06	2.0E-06	2.3E-08	5.6E-08	8.3E-07	1.1E-06	2.0E-06
4,4-DDT	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06	5.5E-08	NV	2.0E-06	2.7E-06	4.8E-06
alpha-Chlordane	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05	2.2E-06	NV	6.6E-06	9.0E-06	1.8E-05
Dieldrin	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05	6.1E-07	NV	2.2E-05	3.0E-05	5.3E-05
gamma-Chlordane	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05	6.8E-07	NV	8.6E-06	1.2E-05	2.1E-05
Polychlorinated Biphenyls																				
Total PCBs	7.4E-05	4.9E-04	8.1E-03	3.7E-03	1.2E-02	7.1E-05	4.9E-04	7.7E-03	3.5E-03	1.2E-02	6.7E-05	4.9E-04	7.3E-03	3.3E-03	1.1E-02	6.3E-05	4.9E-04	6.9E-03	3.1E-03	1.1E-02
Total Petroleum Hydrocarbons																				
TPH as diesel	2.2E-05	1.4E-02	2.6E-03	1.7E-03	1.8E-02	1.4E-05	1.4E-02	1.6E-03	1.1E-03	1.7E-02	8.8E-06	1.4E-02	1.0E-03	7.1E-04	1.6E-02	6.8E-06	1.4E-02	8.0E-04	5.4E-04	1.5E-02
TPH as motor oil	8.8E-06	NV	6.4E-04	4.4E-04	1.1E-03	6.2E-06	NV	4.5E-04	3.1E-04	7.6E-04	5.7E-06	NV	4.1E-04	2.8E-04	7.0E-04	4.6E-06	NV	3.3E-04	2.3E-04	5.6E-04
Dioxins/Furans																				
TEQ Human	5.4E-05	1.2E-04	5.8E-04	1.3E-03	2.1E-03	5.8E-05	1.2E-04	6.2E-04	1.4E-03	2.2E-03	6.2E-05	1.2E-04	6.8E-04	1.5E-03	2.4E-03	5.8E-05	1.2E-04	6.2E-04	1.4E-03	2.2E-03
Total Hazard Index	**1E-02**	**1E-02**	**1E-02**	**3E-02**	**7E-02**	**1E-02**	**1E-02**	**2E-02**	**9E-02**	**1E-01**	**8E-03**	**1E-02**	**2E-02**	**9E-02**	**1E-01**	**6E-03**	**1E-02**	**2E-02**	**9E-02**	**1E-01**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.4b
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	7.0E-06	NV	1.0E-04	3.4E-04	4.5E-04	8.2E-06	NV	1.2E-04	4.1E-04	5.3E-04	7.1E-06	NV	1.0E-04	3.5E-04	4.6E-04	6.7E-06	NV	9.8E-05	3.3E-04	4.4E-04
Chromium, Hexavalent	2.6E-03	NV	NA	1.1E-03	3.6E-03	1.7E-03	NV	NA	6.9E-04	2.3E-03	1.0E-03	NV	NA	4.1E-04	1.4E-03	7.4E-04	NV	NA	3.1E-04	1.0E-03
Chromium, total	1.0E-07	NV	1.5E-06	5.0E-06	6.6E-06	1.4E-07	NV	2.0E-06	7.0E-06	9.1E-06	1.4E-07	NV	2.0E-06	6.8E-06	8.9E-06	1.3E-07	NV	1.9E-06	6.5E-06	8.6E-06
Copper	2.4E-06	NV	3.5E-05	1.2E-04	1.6E-04	2.7E-06	NV	3.9E-05	1.3E-04	1.8E-04	2.0E-06	NV	2.9E-05	9.9E-05	1.3E-04	1.7E-06	NV	2.4E-05	8.2E-05	1.1E-04
Cyanide	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05	2.5E-06	NV	1.2E-05	3.9E-05	5.4E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	1.4E-04	NV	9.2E-05	3.2E-04	5.4E-04	4.1E-04	NV	2.8E-04	9.5E-04	1.6E-03	6.8E-04	NV	4.6E-04	1.6E-03	2.7E-03	4.7E-04	NV	3.2E-04	1.1E-03	1.9E-03
Nitrate	NS	NV	NS	NS	--	2.4E-08	NV	3.5E-07	1.2E-06	1.6E-06	4.1E-08	NV	6.0E-07	2.0E-06	2.7E-06	4.1E-08	NV	6.0E-07	2.0E-06	2.7E-06
Phosphate	NS	NV	NS	NS	--	3.0E-09	NV	4.3E-08	1.5E-07	1.9E-07	3.0E-09	NV	4.3E-08	1.5E-07	1.9E-07	3.0E-09	NV	4.3E-08	1.5E-07	1.9E-07
Thallium	ND	NV	ND	ND	--	3.1E-04	NV	4.5E-03	1.5E-02	2.0E-02	3.1E-04	NV	4.5E-03	1.5E-02	2.0E-02	3.1E-04	NV	4.5E-03	1.5E-02	2.0E-02
Zinc	5.4E-07	NV	7.8E-06	2.7E-05	3.5E-05	6.3E-07	NV	9.1E-06	3.1E-05	4.1E-05	5.5E-07	NV	7.9E-06	2.7E-05	3.6E-05	5.2E-07	NV	7.5E-06	2.6E-05	3.4E-05
Volatile Organic Compounds																				
Bromomethane	ND	1.7E-05	ND	ND	1.7E-05	4.7E-08	1.7E-05	6.1E-06	2.1E-06	2.6E-05	4.3E-08	1.7E-05	5.5E-06	1.9E-06	2.5E-05	3.2E-08	1.7E-05	4.2E-06	1.4E-06	2.3E-05
Chloro methane	ND	5.1E-07	ND	ND	5.1E-07	1.1E-09	5.1E-07	1.6E-07	5.5E-08	7.3E-07	1.0E-09	5.1E-07	1.5E-07	5.1E-08	7.1E-07	8.1E-10	5.1E-07	1.2E-07	4.0E-08	6.7E-07
Chloroform	ND	2.0E-07	ND	ND	2.0E-07	1.0E-09	2.0E-07	3.6E-07	1.2E-07	6.9E-07	9.2E-10	2.0E-07	3.3E-07	1.1E-07	6.4E-07	7.0E-10	2.0E-07	2.5E-07	8.5E-08	5.3E-07
Isophorone	1.3E-08	NV	4.6E-06	1.6E-06	6.2E-06	1.3E-07	NV	4.7E-05	1.6E-05	6.4E-05	1.3E-07	NV	4.7E-05	1.6E-05	6.3E-05	7.8E-08	NV	2.8E-05	9.7E-06	3.8E-05
Methyl acetate	ND	3.5E-09	ND	ND	3.5E-09	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08	3.9E-11	3.5E-09	5.6E-09	1.9E-09	1.1E-08
Semi-Volatile Organic Compounds																				
4-Methylphenol	6.5E-09	NV	1.4E-06	4.9E-07	1.9E-06	5.3E-09	NV	1.1E-06	3.9E-07	1.5E-06	4.8E-09	NV	1.0E-06	3.5E-07	1.4E-06	3.9E-09	NV	8.4E-07	2.9E-07	1.1E-06
bis (2-ethylhexyl) phthalate	7.3E-08	NV	1.1E-05	3.6E-06	1.4E-05	5.5E-08	NV	8.0E-06	2.7E-06	1.1E-05	8.4E-08	NV	1.2E-05	4.1E-06	1.6E-05	5.8E-08	NV	8.4E-06	2.9E-06	1.1E-05
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	1.5E-07	NV	2.1E-05	7.3E-06	2.9E-05
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	1.5E-10	1.5E-09	3.2E-08	7.3E-09	4.1E-08	1.4E-10	1.5E-09	3.0E-08	6.8E-09	3.9E-08	1.3E-10	1.5E-09	2.7E-08	6.2E-09	3.5E-08	1.2E-10	1.5E-09	2.6E-08	5.9E-09	3.4E-08
2-Methyl naphthalene	6.0E-09	6.2E-08	1.3E-06	3.0E-07	1.7E-06	5.9E-09	6.2E-08	1.3E-06	2.9E-07	1.7E-06	5.2E-09	6.2E-08	1.1E-06	2.6E-07	1.4E-06	5.0E-09	6.2E-08	1.1E-06	2.5E-07	1.4E-06
Acenaphthene	3.5E-10	1.5E-09	7.6E-08	1.7E-08	9.5E-08	3.6E-10	1.5E-09	7.7E-08	1.8E-08	9.7E-08	3.1E-10	1.5E-09	6.7E-08	1.5E-08	8.4E-08	3.0E-10	1.5E-09	6.5E-08	1.5E-08	8.2E-08
Acenaphthylene	3.4E-10	NV	7.3E-08	1.7E-08	9.0E-08	3.5E-10	NV	7.6E-08	1.7E-08	9.3E-08	3.1E-10	NV	6.8E-08	1.5E-08	8.3E-08	3.0E-10	NV	6.5E-08	1.5E-08	8.0E-08
Anthracene	1.1E-10	1.0E-10	2.4E-08	5.6E-09	3.0E-08	9.4E-11	1.0E-10	2.0E-08	4.7E-09	2.5E-08	7.4E-11	1.0E-10	1.6E-08	3.7E-09	2.0E-08	7.1E-11	1.0E-10	1.5E-08	3.5E-09	1.9E-08
Benzo (ghi) perylene	3.5E-09	NV	7.7E-07	1.7E-07	9.4E-07	2.9E-09	NV	6.3E-07	1.4E-07	7.8E-07	2.2E-09	NV	4.8E-07	1.1E-07	5.9E-07	2.0E-09	NV	4.3E-07	9.8E-08	5.3E-07
Fluoranthene	1.1E-08	NV	2.4E-06	5.4E-07	2.9E-06	7.9E-09	NV	1.7E-06	3.9E-07	2.1E-06	5.4E-09	NV	1.2E-06	2.7E-07	1.5E-06	4.2E-09	NV	9.2E-07	2.1E-07	1.1E-06

Table OCSxBCW-B2.4b
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Long Term Maintenance Worker (0 to 0.5 feet bgs)[a]					Long Term Maintenance Worker (0 to 3 feet bgs)[a]					Long Term Maintenance Worker (0 to 6 feet bgs)[a]					Long Term Maintenance Worker (0 to 10 feet bgs)				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	5.1E-10	1.2E-09	1.1E-07	2.5E-08	1.4E-07	5.3E-10	1.2E-09	1.1E-07	2.6E-08	1.4E-07	4.6E-10	1.2E-09	9.9E-08	2.3E-08	1.2E-07	4.7E-10	1.2E-09	1.0E-07	2.3E-08	1.3E-07
Naphthalene	1.6E-08	2.2E-07	1.3E-07	3.0E-08	4.0E-07	1.7E-08	2.2E-07	1.4E-07	3.1E-08	4.0E-07	1.5E-08	2.2E-07	1.2E-07	2.7E-08	3.8E-07	1.4E-08	2.2E-07	1.1E-07	2.6E-08	3.8E-07
Phenanthrene	4.9E-10	NV	1.1E-07	2.4E-08	1.3E-07	3.6E-10	NV	7.8E-08	1.8E-08	9.6E-08	2.5E-10	NV	5.5E-08	1.2E-08	6.7E-08	2.3E-10	NV	5.0E-08	1.1E-08	6.2E-08
Pyrene	1.2E-08	1.5E-09	2.7E-06	6.1E-07	3.3E-06	8.8E-09	1.5E-09	1.9E-06	4.3E-07	2.3E-06	6.3E-09	1.5E-09	1.4E-06	3.1E-07	1.7E-06	4.9E-09	1.5E-09	1.1E-06	2.4E-07	1.3E-06
Pesticides																				
4,4-DDE	2.8E-08	2.6E-09	2.0E-06	1.4E-06	3.4E-06	5.6E-09	2.6E-09	4.1E-07	2.8E-07	6.9E-07	5.7E-09	2.6E-09	4.1E-07	2.8E-07	7.0E-07	5.7E-09	2.6E-09	4.1E-07	2.8E-07	7.0E-07
4,4-DDT	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06	1.4E-08	NV	9.9E-07	6.8E-07	1.7E-06
alpha-Chlordane	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06	1.6E-07	NV	4.0E-06	2.7E-06	6.8E-06
Dieldrin	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05	3.1E-07	NV	2.2E-05	1.5E-05	3.8E-05
gamma-Chlordane	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06	1.7E-07	NV	4.3E-06	2.9E-06	7.4E-06
Polychlorinated Biphenyls																				
Total PCBs	1.9E-05	2.3E-05	4.0E-03	9.2E-04	5.0E-03	1.8E-05	2.3E-05	3.8E-03	8.8E-04	4.8E-03	1.7E-05	2.3E-05	3.6E-03	8.3E-04	4.5E-03	1.6E-05	2.3E-05	3.4E-03	7.9E-04	4.3E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	5.4E-06	6.4E-04	1.3E-03	4.4E-04	2.4E-03	3.4E-06	6.4E-04	8.0E-04	2.7E-04	1.7E-03	2.2E-06	6.4E-04	5.2E-04	1.8E-04	1.3E-03	1.7E-06	6.4E-04	4.0E-04	1.4E-04	1.2E-03
TPH as motor oil	2.2E-06	NV	3.2E-04	1.1E-04	4.3E-04	1.5E-06	NV	2.2E-04	7.6E-05	3.0E-04	1.4E-06	NV	2.1E-04	7.0E-05	2.8E-04	1.1E-06	NV	1.6E-04	5.6E-05	2.2E-04
Dioxins/Furans																				
TEQ Human	1.3E-05	5.5E-06	8.3E-03	9.5E-03	1.8E-02	1.4E-05	5.5E-06	8.9E-03	1.0E-02	1.9E-02	1.6E-05	5.5E-06	9.7E-03	1.1E-02	2.1E-02	1.4E-05	5.5E-06	8.9E-03	1.0E-02	1.9E-02
Total Hazard Index	**3E-03**	**7E-04**	**1E-02**	**1E-02**	**3E-02**	**2E-03**	**7E-04**	**2E-02**	**3E-02**	**5E-02**	**2E-03**	**7E-04**	**2E-02**	**3E-02**	**5E-02**	**2E-03**	**7E-04**	**2E-02**	**3E-02**	**5E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using the United States Environmental Protection Agency (USEPA) Adult Lead Model (ALM). Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.4c
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	1.2E-08	NV	2.6E-05	8.9E-04	9.2E-04	1.2E-08	NV	3.5E-06	8.4E-05	8.7E-05	1.5E-08	NV	3.1E-05	1.1E-03	1.1E-03	1.5E-08	NV	4.2E-06	9.9E-05	1.0E-04
Chromium, Hexavalent	4.5E-06	NV	NA	2.7E-03	2.7E-03	4.5E-06	NV	NA	2.6E-04	2.6E-04	2.9E-06	NV	NA	1.8E-03	1.8E-03	2.9E-06	NV	NA	1.7E-04	1.7E-04
Chromium, total	1.8E-10	NV	3.7E-07	1.3E-05	1.3E-05	1.8E-10	NV	5.1E-08	1.2E-06	1.3E-06	2.5E-10	NV	5.2E-07	1.8E-05	1.9E-05	2.5E-10	NV	7.1E-08	1.7E-06	1.8E-06
Copper	4.2E-09	NV	8.9E-06	3.1E-04	3.2E-04	4.2E-09	NV	1.2E-06	2.9E-05	3.0E-05	4.8E-09	NV	1.0E-05	3.5E-04	3.6E-04	4.8E-09	NV	1.4E-06	3.2E-05	3.4E-05
Cyanide	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05	4.4E-09	NV	3.0E-06	1.0E-04	1.1E-04	4.4E-09	NV	4.0E-07	9.6E-06	1.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	2.4E-07	NV	2.4E-05	8.1E-04	8.4E-04	2.4E-07	NV	3.2E-06	7.6E-05	8.0E-05	7.2E-07	NV	7.1E-05	2.4E-03	2.5E-03	7.2E-07	NV	9.7E-06	2.3E-04	2.4E-04
Nitrate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	4.3E-11	NV	9.0E-08	3.1E-06	3.2E-06	4.3E-11	NV	1.2E-08	2.9E-07	3.0E-07
Phosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	5.3E-12	NV	1.1E-08	3.8E-07	3.9E-07	5.3E-12	NV	1.5E-09	3.6E-08	3.7E-08
Thallium	ND	NV	ND	ND	--	ND	NV	ND	ND	--	5.5E-07	NV	1.2E-03	4.0E-02	4.1E-02	5.5E-07	NV	1.6E-04	3.7E-03	3.9E-03
Zinc	9.5E-10	NV	2.0E-06	6.9E-05	7.1E-05	9.5E-10	NV	2.7E-07	6.5E-06	6.7E-06	1.1E-09	NV	2.3E-06	8.0E-05	8.3E-05	1.1E-09	NV	3.2E-07	7.5E-06	7.8E-06
Volatile Organic Compounds																				
Bromomethane	ND	4.5E-05	ND	ND	4.5E-05	ND	4.5E-05	ND	ND	4.5E-05	8.4E-11	4.5E-05	1.6E-06	5.4E-06	5.2E-05	8.4E-11	4.5E-05	2.1E-07	5.1E-07	4.5E-05
Chloro methane	ND	1.3E-06	ND	ND	1.3E-06	ND	1.3E-06	ND	ND	1.3E-06	2.0E-12	1.3E-06	4.1E-08	1.4E-07	1.5E-06	2.0E-12	1.3E-06	5.7E-09	1.3E-08	1.3E-06
Chloroform	ND	5.1E-07	ND	ND	5.1E-07	ND	5.1E-07	ND	ND	5.1E-07	1.8E-12	5.1E-07	9.3E-08	3.2E-07	9.3E-07	1.8E-12	5.1E-07	1.3E-08	3.0E-08	5.5E-07
Isophorone	2.3E-11	NV	1.2E-06	4.1E-06	5.3E-06	2.3E-11	NV	1.6E-07	3.8E-07	5.5E-07	2.3E-10	NV	1.2E-05	4.2E-05	5.4E-05	2.3E-10	NV	1.7E-06	3.9E-06	5.6E-06
Methyl acetate	ND	9.1E-09	ND	ND	9.1E-09	ND	9.1E-09	ND	ND	9.1E-09	6.8E-14	9.1E-09	1.4E-09	5.0E-09	1.6E-08	6.8E-14	9.1E-09	2.0E-10	4.7E-10	9.8E-09
Semi-Volatile Organic Compounds																				
4-Methylphenol	1.2E-11	NV	3.6E-07	1.3E-06	1.6E-06	1.2E-11	NV	5.0E-08	1.2E-07	1.7E-07	9.3E-12	NV	2.9E-07	1.0E-06	1.3E-06	9.3E-12	NV	4.0E-08	9.5E-08	1.3E-07
bis (2-ethylhexyl) phthalate	1.3E-10	NV	2.7E-06	9.4E-06	1.2E-05	1.3E-10	NV	3.7E-07	8.8E-07	1.2E-06	9.7E-11	NV	2.0E-06	7.0E-06	9.1E-06	9.7E-11	NV	2.8E-07	6.6E-07	9.4E-07
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	2.6E-13	4.0E-09	8.2E-09	1.9E-08	3.1E-08	2.6E-13	4.0E-09	1.1E-09	1.8E-09	6.9E-09	2.4E-13	4.0E-09	7.7E-09	1.8E-08	2.9E-08	2.4E-13	4.0E-09	1.1E-09	1.7E-09	6.7E-09
2-Methyl naphthalene	1.1E-11	1.6E-07	3.3E-07	7.7E-07	1.3E-06	1.1E-11	1.6E-07	4.6E-08	7.2E-08	2.8E-07	1.0E-11	1.6E-07	3.3E-07	7.6E-07	1.3E-06	1.0E-11	1.6E-07	4.5E-08	7.1E-08	2.8E-07
Acenaphthene	6.2E-13	4.0E-09	1.9E-08	4.5E-08	6.8E-08	6.2E-13	4.0E-09	2.7E-09	4.2E-09	1.1E-08	6.3E-13	4.0E-09	2.0E-08	4.6E-08	6.9E-08	6.3E-13	4.0E-09	2.7E-09	4.3E-09	1.1E-08
Acenaphthylene	5.9E-13	NV	1.9E-08	4.3E-08	6.2E-08	5.9E-13	NV	2.6E-09	4.0E-09	6.6E-09	6.1E-13	NV	1.9E-08	4.5E-08	6.4E-08	6.1E-13	NV	2.6E-09	4.2E-09	6.8E-09
Anthracene	2.0E-13	2.6E-10	6.3E-09	1.4E-08	2.1E-08	2.0E-13	2.6E-10	8.6E-10	1.4E-09	2.5E-09	1.7E-13	2.6E-10	5.3E-09	1.2E-08	1.8E-08	1.7E-13	2.6E-10	7.2E-10	1.1E-09	2.1E-09
Benzo (ghi) perylene	6.2E-12	NV	2.0E-07	4.5E-07	6.5E-07	6.2E-12	NV	2.7E-08	4.2E-08	6.9E-08	5.1E-12	NV	1.6E-07	3.7E-07	5.3E-07	5.1E-12	NV	2.2E-08	3.5E-08	5.7E-08
Fluoranthene	1.9E-11	NV	6.0E-07	1.4E-06	2.0E-06	1.9E-11	NV	8.2E-08	1.3E-07	2.1E-07	1.4E-11	NV	4.4E-07	1.0E-06	1.5E-06	1.4E-11	NV	6.0E-08	9.5E-08	1.6E-07

Table OCSxBCW-B2.4c
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Camper

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Camper (0 to 0.5 feet bgs)[a]					Adult Camper (0 to 0.5 feet bgs)[a]					Child Camper (0 to 3 feet bgs)[a]					Adult Camper (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	9.0E-13	3.1E-09	2.8E-08	6.5E-08	9.6E-08	9.0E-13	3.1E-09	3.9E-09	6.1E-09	1.3E-08	9.3E-13	3.1E-09	2.9E-08	6.8E-08	1.0E-07	9.3E-13	3.1E-09	4.0E-09	6.3E-09	1.3E-08
Naphthalene	2.9E-11	5.7E-07	3.4E-08	7.8E-08	6.8E-07	2.9E-11	5.7E-07	4.6E-09	7.3E-09	5.8E-07	2.9E-11	5.7E-07	3.5E-08	8.0E-08	6.9E-07	2.9E-11	5.7E-07	4.7E-09	7.5E-09	5.8E-07
Phenanthrene	8.6E-13	NV	2.7E-08	6.2E-08	8.9E-08	8.6E-13	NV	3.7E-09	5.8E-09	9.5E-09	6.3E-13	NV	2.0E-08	4.6E-08	6.6E-08	6.3E-13	NV	2.7E-09	4.3E-09	7.0E-09
Pyrene	2.2E-11	3.8E-09	6.9E-07	1.6E-06	2.3E-06	2.2E-11	3.8E-09	9.4E-08	1.5E-07	2.5E-07	1.5E-11	3.8E-09	4.9E-07	1.1E-06	1.6E-06	1.5E-11	3.8E-09	6.7E-08	1.1E-07	1.8E-07
Pesticides																				
4,4-DDE	8.2E-11	1.1E-08	8.6E-07	5.9E-06	6.8E-06	8.2E-11	1.1E-08	1.2E-07	5.6E-07	6.9E-07	1.7E-11	1.1E-08	1.7E-07	1.2E-06	1.4E-06	1.7E-11	1.1E-08	2.4E-08	1.1E-07	1.5E-07
4,4-DDT	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07	2.4E-11	NV	2.5E-07	1.8E-06	2.0E-06	2.4E-11	NV	3.5E-08	1.6E-07	2.0E-07
alpha-Chlordane	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07	2.8E-10	NV	1.0E-06	7.0E-06	8.0E-06	2.8E-10	NV	1.4E-07	6.6E-07	8.0E-07
Dieldrin	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06	5.4E-10	NV	5.7E-06	3.9E-05	4.5E-05	5.4E-10	NV	7.8E-07	3.7E-06	4.4E-06
gamma-Chlordane	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07	3.0E-10	NV	1.1E-06	7.6E-06	8.7E-06	3.0E-10	NV	1.5E-07	7.1E-07	8.6E-07
Polychlorinated Biphenyls																				
Total PCBs	3.3E-08	5.8E-05	1.0E-03	2.4E-03	3.5E-03	3.3E-08	5.8E-05	1.4E-04	2.2E-04	4.2E-04	3.1E-08	5.8E-05	9.9E-04	2.3E-03	3.3E-03	3.1E-08	5.8E-05	1.3E-04	2.1E-04	4.0E-04
Total Petroleum Hydrocarbons																				
TPH as diesel	9.6E-09	1.6E-03	3.3E-04	1.1E-03	3.1E-03	9.6E-09	1.6E-03	4.5E-05	1.1E-04	1.8E-03	6.0E-09	1.6E-03	2.0E-04	7.0E-04	2.6E-03	6.0E-09	1.6E-03	2.8E-05	6.6E-05	1.7E-03
TPH as motor oil	3.9E-09	NV	8.2E-05	2.8E-04	3.6E-04	3.9E-09	NV	1.1E-05	2.6E-05	3.8E-05	2.7E-09	NV	5.7E-05	2.0E-04	2.6E-04	2.7E-09	NV	7.8E-06	1.9E-05	2.6E-05
Dioxins/Furans																				
TEQ Human	2.4E-08	1.4E-05	2.1E-03	2.5E-02	2.7E-02	2.4E-08	1.4E-05	2.9E-04	2.3E-03	2.6E-03	2.5E-08	1.4E-05	2.3E-03	2.6E-02	2.9E-02	2.5E-08	1.4E-05	3.1E-04	2.5E-03	2.8E-03
Total Hazard Index	**5E-06**	**2E-03**	**4E-03**	**3E-02**	**4E-02**	**5E-06**	**2E-03**	**5E-04**	**3E-03**	**5E-03**	**4E-06**	**2E-03**	**5E-03**	**8E-02**	**8E-02**	**4E-06**	**2E-03**	**7E-04**	**7E-03**	**9E-03**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.4d
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.5E-08	NV	5.2E-05	1.8E-03	1.8E-03	2.5E-08	NV	7.1E-06	1.7E-04	1.7E-04	2.9E-08	NV	6.1E-05	2.1E-03	2.2E-03	2.9E-08	NV	8.3E-06	2.0E-04	2.1E-04
Chromium, Hexavalent	9.0E-06	NV	NA	5.5E-03	5.5E-03	9.0E-06	NV	NA	5.1E-04	5.2E-04	5.9E-06	NV	NA	3.5E-03	3.6E-03	5.9E-06	NV	NA	3.3E-04	3.4E-04
Chromium, total	3.6E-10	NV	7.5E-07	2.6E-05	2.7E-05	3.6E-10	NV	1.0E-07	2.4E-06	2.5E-06	5.0E-10	NV	1.0E-06	3.6E-05	3.7E-05	5.0E-10	NV	1.4E-07	3.4E-06	3.5E-06
Copper	8.4E-09	NV	1.8E-05	6.1E-04	6.3E-04	8.4E-09	NV	2.4E-06	5.7E-05	6.0E-05	9.5E-09	NV	2.0E-05	6.9E-04	7.1E-04	9.5E-09	NV	2.7E-06	6.5E-05	6.8E-05
Cyanide	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05	8.9E-09	NV	5.9E-06	2.0E-04	2.1E-04	8.9E-09	NV	8.1E-07	1.9E-05	2.0E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	4.8E-07	NV	4.7E-05	1.6E-03	1.7E-03	4.8E-07	NV	6.4E-06	1.5E-04	1.6E-04	1.4E-06	NV	1.4E-04	4.9E-03	5.0E-03	1.4E-06	NV	1.9E-05	4.6E-04	4.8E-04
Nitrate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	8.6E-11	NV	1.8E-07	6.2E-06	6.4E-06	8.6E-11	NV	2.5E-08	5.8E-07	6.1E-07
Phosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	1.1E-11	NV	2.2E-08	7.7E-07	7.9E-07	1.1E-11	NV	3.0E-09	7.2E-08	7.5E-08
Thallium	ND	NV	ND	ND	--	ND	NV	ND	ND	--	1.1E-06	NV	2.3E-03	7.9E-02	8.2E-02	1.1E-06	NV	3.1E-04	7.5E-03	7.8E-03
Zinc	1.9E-09	NV	4.0E-06	1.4E-04	1.4E-04	1.9E-09	NV	5.5E-07	1.3E-05	1.3E-05	2.2E-09	NV	4.7E-06	1.6E-04	1.7E-04	2.2E-09	NV	6.4E-07	1.5E-05	1.6E-05
Volatile Organic Compounds																				
Bromomethane	ND	8.9E-05	ND	ND	8.9E-05	ND	8.9E-05	ND	ND	8.9E-05	1.7E-10	8.9E-05	3.1E-06	1.1E-05	1.0E-04	1.7E-10	8.9E-05	4.3E-07	1.0E-06	9.1E-05
Chloro methane	ND	2.6E-06	ND	ND	2.6E-06	ND	2.6E-06	ND	ND	2.6E-06	3.9E-12	2.6E-06	8.3E-08	2.9E-07	3.0E-06	3.9E-12	2.6E-06	1.1E-08	2.7E-08	2.7E-06
Chloroform	ND	1.0E-06	ND	ND	1.0E-06	ND	1.0E-06	ND	ND	1.0E-06	3.6E-12	1.0E-06	1.9E-07	6.4E-07	1.9E-06	3.6E-12	1.0E-06	2.5E-08	6.0E-08	1.1E-06
Isophorone	4.5E-11	NV	2.4E-06	8.2E-06	1.1E-05	4.5E-11	NV	3.2E-07	7.7E-07	1.1E-06	4.6E-10	NV	2.4E-05	8.4E-05	1.1E-04	4.6E-10	NV	3.3E-06	7.8E-06	1.1E-05
Methyl acetate	ND	1.8E-08	ND	ND	1.8E-08	ND	1.8E-08	ND	ND	1.8E-08	1.4E-13	1.8E-08	2.9E-09	9.9E-09	3.1E-08	1.4E-13	1.8E-08	3.9E-10	9.3E-10	2.0E-08
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-11	NV	7.3E-07	2.5E-06	3.2E-06	2.3E-11	NV	9.9E-08	2.4E-07	3.4E-07	1.9E-11	NV	5.8E-07	2.0E-06	2.6E-06	1.9E-11	NV	8.0E-08	1.9E-07	2.7E-07
bis (2-ethylhexyl) phthalate	2.6E-10	NV	5.4E-06	1.9E-05	2.4E-05	2.6E-10	NV	7.4E-07	1.8E-06	2.5E-06	1.9E-10	NV	4.1E-06	1.4E-05	1.8E-05	1.9E-10	NV	5.6E-07	1.3E-06	1.9E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	5.2E-13	8.0E-09	1.6E-08	3.8E-08	6.2E-08	5.2E-13	8.0E-09	2.2E-09	3.5E-09	1.4E-08	4.9E-13	8.0E-09	1.5E-08	3.5E-08	5.9E-08	4.9E-13	8.0E-09	2.1E-09	3.3E-09	1.3E-08
2-Methyl naphthalene	2.1E-11	3.2E-07	6.7E-07	1.5E-06	2.5E-06	2.1E-11	3.2E-07	9.1E-08	1.4E-07	5.6E-07	2.1E-11	3.2E-07	6.6E-07	1.5E-06	2.5E-06	2.1E-11	3.2E-07	9.0E-08	1.4E-07	5.5E-07
Acenaphthene	1.2E-12	7.9E-09	3.9E-08	9.0E-08	1.4E-07	1.2E-12	7.9E-09	5.3E-09	8.4E-09	2.2E-08	1.3E-12	7.9E-09	4.0E-08	9.1E-08	1.4E-07	1.3E-12	7.9E-09	5.4E-09	8.5E-09	2.2E-08
Acenaphthylene	1.2E-12	NV	3.8E-08	8.6E-08	1.2E-07	1.2E-12	NV	5.1E-09	8.1E-09	1.3E-08	1.2E-12	NV	3.9E-08	8.9E-08	1.3E-07	1.2E-12	NV	5.3E-09	8.4E-09	1.4E-08
Anthracene	4.0E-13	5.3E-10	1.3E-08	2.9E-08	4.2E-08	4.0E-13	5.3E-10	1.7E-09	2.7E-09	4.9E-09	3.3E-13	5.3E-10	1.1E-08	2.4E-08	3.5E-08	3.3E-13	5.3E-10	1.4E-09	2.3E-09	4.2E-09
Benzo (ghi) perylene	1.2E-11	NV	3.9E-07	9.0E-07	1.3E-06	1.2E-11	NV	5.4E-08	8.5E-08	1.4E-07	1.0E-11	NV	3.2E-07	7.4E-07	1.1E-06	1.0E-11	NV	4.4E-08	7.0E-08	1.1E-07
Fluoranthene	3.8E-11	NV	1.2E-06	2.8E-06	4.0E-06	3.8E-11	NV	1.6E-07	2.6E-07	4.3E-07	2.8E-11	NV	8.8E-07	2.0E-06	2.9E-06	2.8E-11	NV	1.2E-07	1.9E-07	3.1E-07

Table OCSxBCW-B2.4d
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Hiker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child Hiker (0 to 0.5 feet bgs)[a]					Adult Hiker (0 to 0.5 feet bgs)[a]					Child Hiker (0 to 3 feet bgs)[a]					Adult Hiker (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	1.8E-12	6.2E-09	5.7E-08	1.3E-07	1.9E-07	1.8E-12	6.2E-09	7.7E-09	1.2E-08	2.6E-08	1.9E-12	6.2E-09	5.9E-08	1.4E-07	2.0E-07	1.9E-12	6.2E-09	8.0E-09	1.3E-08	2.7E-08
Naphthalene	5.7E-11	1.1E-06	6.8E-08	1.6E-07	1.4E-06	5.7E-11	1.1E-06	9.2E-09	1.5E-08	1.2E-06	5.9E-11	1.1E-06	7.0E-08	1.6E-07	1.4E-06	5.9E-11	1.1E-06	9.5E-09	1.5E-08	1.2E-06
Phenanthrene	1.7E-12	NV	5.4E-08	1.2E-07	1.8E-07	1.7E-12	NV	7.4E-09	1.2E-08	1.9E-08	1.3E-12	NV	4.0E-08	9.2E-08	1.3E-07	1.3E-12	NV	5.4E-09	8.6E-09	1.4E-08
Pyrene	4.4E-11	7.6E-09	1.4E-06	3.2E-06	4.5E-06	4.4E-11	7.6E-09	1.9E-07	3.0E-07	4.9E-07	3.1E-11	7.6E-09	9.7E-07	2.2E-06	3.2E-06	3.1E-11	7.6E-09	1.3E-07	2.1E-07	3.5E-07
Pesticides																				
4,4-DDE	1.6E-10	2.2E-08	1.7E-06	1.2E-05	1.4E-05	1.6E-10	2.2E-08	2.4E-07	1.1E-06	1.4E-06	3.3E-11	2.2E-08	3.5E-07	2.4E-06	2.8E-06	3.3E-11	2.2E-08	4.7E-08	2.2E-07	2.9E-07
4,4-DDT	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07	4.8E-11	NV	5.1E-07	3.5E-06	4.0E-06	4.8E-11	NV	6.9E-08	3.3E-07	4.0E-07
alpha-Chlordane	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06	5.5E-10	NV	2.0E-06	1.4E-05	1.6E-05	5.5E-10	NV	2.8E-07	1.3E-06	1.6E-06
Dieldrin	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06	1.1E-09	NV	1.1E-05	7.8E-05	9.0E-05	1.1E-09	NV	1.6E-06	7.3E-06	8.9E-06
gamma-Chlordane	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06	6.0E-10	NV	2.2E-06	1.5E-05	1.7E-05	6.0E-10	NV	3.0E-07	1.4E-06	1.7E-06
Polychlorinated Biphenyls																				
Total PCBs	6.6E-08	1.2E-04	2.1E-03	4.8E-03	7.0E-03	6.6E-08	1.2E-04	2.8E-04	4.5E-04	8.5E-04	6.2E-08	1.2E-04	2.0E-03	4.5E-03	6.6E-03	6.2E-08	1.2E-04	2.7E-04	4.2E-04	8.1E-04
Total Petroleum Hydrocarbons																				
TPH as diesel	1.9E-08	3.3E-03	6.6E-04	2.3E-03	6.2E-03	1.9E-08	3.3E-03	9.0E-05	2.1E-04	3.6E-03	1.2E-08	3.3E-03	4.1E-04	1.4E-03	5.1E-03	1.2E-08	3.3E-03	5.6E-05	1.3E-04	3.5E-03
TPH as motor oil	7.8E-09	NV	1.6E-04	5.6E-04	7.3E-04	7.8E-09	NV	2.2E-05	5.3E-05	7.5E-05	5.5E-09	NV	1.1E-04	4.0E-04	5.1E-04	5.5E-09	NV	1.6E-05	3.7E-05	5.3E-05
Dioxins/Furans																				
TEQ Human	4.7E-08	2.9E-05	4.3E-03	4.9E-02	5.3E-02	4.7E-08	2.9E-05	5.8E-04	4.6E-03	5.2E-03	5.1E-08	2.9E-05	4.6E-03	5.3E-02	5.7E-02	5.1E-08	2.9E-05	6.2E-04	4.9E-03	5.6E-03
Total Hazard Index	**1E-05**	**4E-03**	**7E-03**	**7E-02**	**8E-02**	**1E-05**	**4E-03**	**1E-03**	**6E-03**	**1E-02**	**9E-06**	**4E-03**	**1E-02**	**2E-01**	**2E-01**	**9E-06**	**4E-03**	**1E-03**	**1E-02**	**2E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.4e
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Inorganics																				
Antimony	2.5E-06	NV	9.4E-05	1.3E-04	2.2E-04	2.5E-06	NV	8.1E-05	5.2E-05	1.3E-04	2.9E-06	NV	1.1E-04	1.5E-04	2.6E-04	2.9E-06	NV	9.5E-05	6.1E-05	1.6E-04
Chromium, Hexavalent	9.1E-04	NV	NA	3.8E-04	1.3E-03	9.1E-04	NV	NA	1.6E-04	1.1E-03	5.9E-04	NV	NA	2.5E-04	8.4E-04	5.9E-04	NV	NA	1.0E-04	6.9E-04
Chromium, total	3.6E-08	NV	1.4E-06	1.8E-06	3.2E-06	3.6E-08	NV	1.2E-06	7.5E-07	2.0E-06	5.0E-08	NV	1.9E-06	2.5E-06	4.5E-06	5.0E-08	NV	1.6E-06	1.0E-06	2.7E-06
Copper	8.5E-07	NV	3.2E-05	4.3E-05	7.6E-05	8.5E-07	NV	2.8E-05	1.8E-05	4.6E-05	9.6E-07	NV	3.6E-05	4.9E-05	8.6E-05	9.6E-07	NV	3.1E-05	2.0E-05	5.2E-05
Cyanide	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05	8.9E-07	NV	1.1E-05	1.4E-05	2.6E-05	8.9E-07	NV	9.2E-06	5.9E-06	1.6E-05
Lead	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mercury (inorganic)	4.8E-05	NV	8.6E-05	1.1E-04	2.5E-04	4.8E-05	NV	7.4E-05	4.7E-05	1.7E-04	1.4E-04	NV	2.6E-04	3.4E-04	7.5E-04	1.4E-04	NV	2.2E-04	1.4E-04	5.1E-04
Nitrate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	8.6E-09	NV	3.3E-07	4.4E-07	7.7E-07	8.6E-09	NV	2.8E-07	1.8E-07	4.7E-07
Phosphate	NS	NV	NS	NS	--	NS	NV	NS	NS	--	1.1E-09	NV	4.0E-08	5.4E-08	9.5E-08	1.1E-09	NV	3.5E-08	2.2E-08	5.8E-08
Thallium	ND	NV	ND	ND	--	ND	NV	ND	ND	--	1.1E-04	NV	4.2E-03	5.6E-03	9.9E-03	1.1E-04	NV	3.6E-03	2.3E-03	6.0E-03
Zinc	1.9E-07	NV	7.3E-06	9.7E-06	1.7E-05	1.9E-07	NV	6.2E-06	4.0E-06	1.0E-05	2.2E-07	NV	8.5E-06	1.1E-05	2.0E-05	2.2E-07	NV	7.3E-06	4.7E-06	1.2E-05
Volatile Organic Compounds																				
Bromomethane	ND	5.6E-06	ND	ND	5.6E-06	ND	5.6E-06	ND	ND	5.6E-06	1.7E-08	5.6E-06	5.7E-06	7.6E-07	1.2E-05	1.7E-08	5.6E-06	4.9E-06	3.1E-07	1.1E-05
Chloro methane	ND	1.7E-07	ND	ND	1.7E-07	ND	1.7E-07	ND	ND	1.7E-07	4.0E-10	1.7E-07	1.5E-07	2.0E-08	3.4E-07	4.0E-10	1.7E-07	1.3E-07	8.3E-09	3.0E-07
Chloroform	ND	6.4E-08	ND	ND	6.4E-08	ND	6.4E-08	ND	ND	6.4E-08	3.6E-10	6.4E-08	3.4E-07	4.5E-08	4.5E-07	3.6E-10	6.4E-08	2.9E-07	1.9E-08	3.7E-07
Isophorone	4.5E-09	NV	4.3E-06	5.8E-07	4.9E-06	4.5E-09	NV	3.7E-06	2.4E-07	3.9E-06	4.6E-08	NV	4.4E-05	5.9E-06	5.0E-05	4.6E-08	NV	3.8E-05	2.4E-06	4.0E-05
Methyl acetate	ND	1.1E-09	ND	ND	1.1E-09	ND	1.1E-09	ND	ND	1.1E-09	1.4E-11	1.1E-09	5.2E-09	7.0E-10	7.1E-09	1.4E-11	1.1E-09	4.5E-09	2.9E-10	5.9E-09
Semi-Volatile Organic Compounds																				
4-Methylphenol	2.3E-09	NV	1.3E-06	1.8E-07	1.5E-06	2.3E-09	NV	1.1E-06	7.3E-08	1.2E-06	1.9E-09	NV	1.1E-06	1.4E-07	1.2E-06	1.9E-09	NV	9.1E-07	5.8E-08	9.7E-07
bis (2-ethylhexyl) phthalate	2.6E-08	NV	9.9E-06	1.3E-06	1.1E-05	2.6E-08	NV	8.5E-06	5.4E-07	9.0E-06	1.9E-08	NV	7.4E-06	9.9E-07	8.4E-06	1.9E-08	NV	6.4E-06	4.1E-07	6.8E-06
Butylbenzylphthalate	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--	ND	NV	ND	ND	--
Polycyclic Aromatic Hydrocarbons																				
1-Methyl naphthalene	5.2E-11	5.0E-10	3.0E-08	2.6E-09	3.3E-08	5.2E-11	5.0E-10	2.6E-08	1.1E-09	2.7E-08	4.9E-11	5.0E-10	2.8E-08	2.5E-09	3.1E-08	4.9E-11	5.0E-10	2.4E-08	1.0E-09	2.6E-08
2-Methyl naphthalene	2.1E-09	2.0E-08	1.2E-06	1.1E-07	1.3E-06	2.1E-09	2.0E-08	1.0E-06	4.4E-08	1.1E-06	2.1E-09	2.0E-08	1.2E-06	1.1E-07	1.3E-06	2.1E-09	2.0E-08	1.0E-06	4.4E-08	1.1E-06
Acenaphthene	1.2E-10	5.0E-10	7.1E-08	6.3E-09	7.8E-08	1.2E-10	5.0E-10	6.1E-08	2.6E-09	6.4E-08	1.3E-10	5.0E-10	7.2E-08	6.4E-09	7.9E-08	1.3E-10	5.0E-10	6.2E-08	2.6E-09	6.5E-08
Acenaphthylene	1.2E-10	NV	6.8E-08	6.1E-09	7.4E-08	1.2E-10	NV	5.9E-08	2.5E-09	6.1E-08	1.2E-10	NV	7.0E-08	6.3E-09	7.7E-08	1.2E-10	NV	6.0E-08	2.6E-09	6.3E-08
Anthracene	4.0E-11	3.3E-11	2.3E-08	2.0E-09	2.5E-08	4.0E-11	3.3E-11	2.0E-08	8.4E-10	2.0E-08	3.3E-11	3.3E-11	1.9E-08	1.7E-09	2.1E-08	3.3E-11	3.3E-11	1.6E-08	7.0E-10	1.7E-08
Benzo (ghi) perylene	1.2E-09	NV	7.1E-07	6.3E-08	7.8E-07	1.2E-09	NV	6.1E-07	2.6E-08	6.4E-07	1.0E-09	NV	5.9E-07	5.2E-08	6.4E-07	1.0E-09	NV	5.1E-07	2.2E-08	5.3E-07
Fluoranthene	3.8E-09	NV	2.2E-06	2.0E-07	2.4E-06	3.8E-09	NV	1.9E-06	8.1E-08	2.0E-06	2.8E-09	NV	1.6E-06	1.4E-07	1.8E-06	2.8E-09	NV	1.4E-06	5.9E-08	1.4E-06

Table OCSxBCW-B2.4e
Baseline Scenario HIs for COPCs in OCS Excluding BCW Soil Using Area-Weighted EPCs: Recreational User - Off-Highway Vehicle Rider

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPC	Child OHV Rider (0 to 0.5 feet bgs)[a]					Adult OHV Rider (0 to 0.5 feet bgs)[a]					Child OHV Rider (0 to 3 feet bgs)[a]					Adult OHV Rider (0 to 3 feet bgs)[a]				
	Soil Pathway					Soil Pathway					Soil Pathway					Soil Pathway				
	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index	Particulate Inhalation	Vapor Inhalation	Dermal Contact	Ingestion	Total Hazard Index
Fluorene	1.8E-10	3.9E-10	1.0E-07	9.1E-09	1.1E-07	1.8E-10	3.9E-10	8.8E-08	3.8E-09	9.3E-08	1.9E-10	3.9E-10	1.1E-07	9.5E-09	1.2E-07	1.9E-10	3.9E-10	9.2E-08	3.9E-09	9.6E-08
Naphthalene	5.7E-09	7.1E-08	1.2E-07	1.1E-08	2.1E-07	5.7E-09	7.1E-08	1.1E-07	4.5E-09	1.9E-07	5.9E-09	7.1E-08	1.3E-07	1.1E-08	2.1E-07	5.9E-09	7.1E-08	1.1E-07	4.6E-09	1.9E-07
Phenanthrene	1.7E-10	NV	9.8E-08	8.8E-09	1.1E-07	1.7E-10	NV	8.4E-08	3.6E-09	8.8E-08	1.3E-10	NV	7.3E-08	6.5E-09	7.9E-08	1.3E-10	NV	6.2E-08	2.7E-09	6.5E-08
Pyrene	4.4E-09	4.8E-10	2.5E-06	2.2E-07	2.7E-06	4.4E-09	4.8E-10	2.1E-06	9.2E-08	2.2E-06	3.1E-09	4.8E-10	1.8E-06	1.6E-07	1.9E-06	3.1E-09	4.8E-10	1.5E-06	6.5E-08	1.6E-06
Pesticides																				
4,4-DDE	1.6E-08	1.4E-09	3.1E-06	8.4E-07	4.0E-06	1.6E-08	1.4E-09	2.7E-06	3.4E-07	3.1E-06	3.3E-09	1.4E-09	6.3E-07	1.7E-07	8.0E-07	3.3E-09	1.4E-09	5.4E-07	7.0E-08	6.2E-07
4,4-DDT	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07	4.9E-09	NV	9.2E-07	2.5E-07	1.2E-06	4.9E-09	NV	7.9E-07	1.0E-07	9.0E-07
alpha-Chlordane	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06	5.5E-08	NV	3.7E-06	9.9E-07	4.7E-06	5.5E-08	NV	3.2E-06	4.1E-07	3.6E-06
Dieldrin	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05	1.1E-07	NV	2.1E-05	5.5E-06	2.6E-05	1.1E-07	NV	1.8E-05	2.3E-06	2.0E-05
gamma-Chlordane	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06	6.0E-08	NV	4.0E-06	1.1E-06	5.1E-06	6.0E-08	NV	3.4E-06	4.4E-07	3.9E-06
Polychlorinated Biphenyls																				
Total PCBs	6.6E-06	7.3E-06	3.8E-03	3.3E-04	4.1E-03	6.6E-06	7.3E-06	3.2E-03	1.4E-04	3.4E-03	6.3E-06	7.3E-06	3.6E-03	3.2E-04	3.9E-03	6.3E-06	7.3E-06	3.1E-03	1.3E-04	3.2E-03
Total Petroleum Hydrocarbons																				
TPH as diesel	1.9E-06	2.1E-04	1.2E-03	1.6E-04	1.6E-03	1.9E-06	2.1E-04	1.0E-03	6.6E-05	1.3E-03	1.2E-06	2.1E-04	7.4E-04	9.9E-05	1.0E-03	1.2E-06	2.1E-04	6.4E-04	4.1E-05	8.8E-04
TPH as motor oil	7.8E-07	NV	3.0E-04	4.0E-05	3.4E-04	7.8E-07	NV	2.6E-04	1.6E-05	2.7E-04	5.5E-07	NV	2.1E-04	2.8E-05	2.4E-04	5.5E-07	NV	1.8E-04	1.1E-05	1.9E-04
Dioxins/Furans																				
TEQ Human	4.8E-06	1.8E-06	7.8E-03	3.5E-03	1.1E-02	4.8E-06	1.8E-06	6.7E-03	1.4E-03	8.1E-03	5.1E-06	1.8E-06	8.3E-03	3.7E-03	1.2E-02	5.1E-06	1.8E-06	7.1E-03	1.5E-03	8.7E-03
Total Hazard Index	**1E-03**	**2E-04**	**1E-02**	**5E-03**	**2E-02**	**1E-03**	**2E-04**	**1E-02**	**2E-03**	**1E-02**	**9E-04**	**2E-04**	**2E-02**	**1E-02**	**3E-02**	**9E-04**	**2E-04**	**2E-02**	**4E-03**	**2E-02**

Notes:
[a] EPCs for exposure to subsurface II soil (0 to 10 feet bgs) are used to evaluate the vapor inhalation pathway.

Abbreviations:
-- = not calculated.
bgs = below ground surface.
COPC = Constituent of Potential Concern.
HI = Hazard Index
na = Not applicable. Potential exposure to lead is evaluated using California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control's (DTSC) LeadSpread model. Please see text for discussion.
NA = Not applicable. Hexavalent chromium is not absorbed via dermal contact.
ND = Not detected.
NS = Not sampled.
NV = Not volatile.
PCB = Polychlorinated biphenyls.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW-B2.5a

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Area-Weighted EPCs: Short-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	22.7	45.5	26.8	18.8
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	40	40	40	40
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.012**	**0.024**	**0.014**	**0.010**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.02	0.05	0.03	0.02
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **994**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (40 days/year) is a site-specific value for short-term maintenance workers as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCSxBCW-B2.5b

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Soil Using Area-Weighted EPCs: Long-Term Maintenance Worker

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELIMINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	0-0.5 feet below ground surface	0-3 feet below ground surface	0-6 feet below ground surface	0-10 feet below ground surface
PbS	Soil lead concentration	ug/g or ppm	22.7	45.5	26.8	18.8
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.8	1.8	1.8
PbB_0	Baseline PbB	ug/dL	0.0	0.0	0.0	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.100	0.100	0.100	0.100
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	10	10	10	10
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.003**	**0.006**	**0.004**	**0.002**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	0.01	0.01	0.01	0.00
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**	**1.0**	**1.0**	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**0%**	**0%**	**0%**	**0%**

PRG90 **3977**

Notes:
Highlighted values are site-specific: soil ingestion rate (100 mg/day) consistent with United States Environmental Protection Agency (USEPA) recommendations for evaluating construction (i.e., soil contact-intensive) scenarios (USEPA 2016). Exposure frequency (10 days/year) is a site-specific value for long-term maintenance workers, based on 4 work hours per 8 hour work day, 20 days per year as shown in Table 5.1 of the main report.

References:
United States Environmental Protection Agency (USEPA). 2016. Frequent Questions from Risk Assessors on the Adult Lead Methodology (ALM). Last Updated on August 23, 2016. Available at https://www.epa.gov/superfund/lead-superfund-sites-frequent-questions-risk-assessors-adult-lead-methodology#ingestion%20rate.

Table OCSxBCW-B2.5c

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	22.7
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.006	0.011	0.01	0.02	0.02	2159
BLOOD Pb, PICA CHILD	0.011	0.02	0.02	0.03	0.03	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	4.7E-05	1%		4.7E-05	0.4%
Soil Ingestion	2.5E-4	5.7E-03	99%	5.0E-4	1.1E-02	100%
Inhalation	7.0E-8	1.6E-06	0.03%		1.6E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B2.5d

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Camper)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	45.5
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.012	0.021	0.02	0.03	0.03	2159
BLOOD Pb, PICA CHILD	0.023	0.04	0.05	0.06	0.07	1084

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.25
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	2.1E-6	9.4E-05	1%		9.4E-05	0.4%
Soil Ingestion	2.5E-4	1.1E-02	99%	5.0E-4	2.3E-02	100%
Inhalation	7.0E-8	3.2E-06	0.03%		3.2E-06	0.01%

Notes:

Highlighted values are Site-specific: days per week based on the assumption of 1 day per month (1 day/4 weeks = 0.25 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B2.5e

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	22.7
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.012	0.021	0.02	0.03	0.03	1079
BLOOD Pb, PICA CHILD	0.023	0.04	0.05	0.06	0.07	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	9.4E-05	1%		9.4E-05	0.4%
Soil Ingestion	5.0E-4	1.1E-02	99%	1.0E-3	2.3E-02	100%
Inhalation	1.4E-7	3.2E-06	0.03%		3.2E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B2.5f

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Hiker)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

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INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	45.5
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.023	0.042	0.05	0.06	0.07	1079
BLOOD Pb, PICA CHILD	0.046	0.08	0.10	0.12	0.14	542

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	100
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.1E-6	1.9E-04	1%		1.9E-04	0.4%
Soil Ingestion	5.0E-4	2.3E-02	99%	1.0E-3	4.6E-02	100%
Inhalation	1.4E-7	6.4E-06	0.03%		6.4E-06	0.01%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month (2 days/4 weeks = 0.5 days/week), 8 months per year. See Table 5.1 of the main report for details.

Table OCSxBCW-B2.5g

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Surface Soil (0 to 0.5 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

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INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	22.7
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.004	0.007	0.01	0.01	0.01	3180
BLOOD Pb, PICA CHILD	0.023	0.04	0.05	0.06	0.07	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	3.8E-04	10%		3.8E-04	1.6%
Soil Ingestion	1.6E-4	3.5E-03	90%	1.0E-3	2.3E-02	98%
Inhalation	8.7E-9	2.0E-07	0.01%		2.0E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

Table OCSxBCW-B2.5h

Baseline Scenario Risk Evaluation for Lead in OCS Excluding BCW Shallow Soil (0 to 3 feet bgs) Using Area-Weighted EPCs: Recreational User (Off-Highway Vehicle Rider)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

LEAD RISK ASSESSMENT SPREADSHEET 8
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	45.5
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.008	0.014	0.02	0.02	0.02	3180
BLOOD Pb, PICA CHILD	0.047	0.08	0.10	0.12	0.14	535

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	0.5
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	800
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	31
Soil ingestion, pica	mg/day	200
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	0.425
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	1.7E-5	7.5E-04	10%		7.5E-04	1.6%
Soil Ingestion	1.6E-4	7.1E-03	90%	1.0E-3	4.6E-02	98%
Inhalation	8.7E-9	4.0E-07	0.01%		4.0E-07	0.00%

Notes:
Highlighted values are Site-specific: days per week based on the assumption of 2 days per month, 8 months per year. Soil ingestion rate of 330 mg/day is modified by exposure time (1.5 hours riding at site per 16 awake hours, or 0.09). Default inhalation breathing rate of 6.8 m^3/day is modified to account for exposure time (i.e., 1.5 hours riding at site per 24 hours, or 0.06) . See Table 5.1 of the main report for details.

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Appendix BCW+AOC4
Soil HHERA for Bat Cave Wash and AOC4 Exposure Area

ARCADIS Design & Consultancy for natural and built assets

Pacific Gas and Electric Company

APPENDIX BCW+AOC4 SOIL HHERA FOR COMBINED BAT CAVE WASH AND AOC 4 EXPOSURE AREA

Topock Compressor Station
Needles, California

October 2019

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BCW+AOC4-1.1a Soil Sampling Locations BCW and AOC 4 Exposure Area - North

BCW+AOC4-1.1a Soil Sampling Locations BCW and AOC 4 Exposure Area - South

ATTACHMENTS

A Dataset and Exposure Point Concentration Calculations for the BCW and AOC 4 ERA

B Dose and Risk Calculations for Ecological Receptors at BCW and AOC4 Using Depth-Weighted EPCs

C Dose and Risk Calculations for Ecological Receptors at BCW and AOC4 Using Maximum Depth-Weighted EPCs

ACRONYMS AND ABBREVIATIONS

AOC	Area of Concern
Arcadis	Arcadis U.S., Inc.
BCW	Bat Cave Wash
BCW+AOC4	Bat Cave Wash 1 and Area of Concern 4 potential exposure area
bgs	below ground surface
BNSF	Burlington Northern Santa Fe
BTAG	Biological Technical Assistance Group
BTEX	benzene, toluene, ethylbenzene, and xylene
BTV	background threshold value
CDFW	California Department of Fish and Wildlife
CH2M	CH2M Hill
COPEC	constituent of potential ecological concern
CSM	conceptual site model
DTSC	Department of Toxic Substances Control
EC	exposure concentration
EcoSSLs	Ecological Soil Screening Levels
EPC	exposure point concentration
ERA	ecological risk assessment
ft	foot/feet
GANDA	Garcia and Associates
HHERA	human health and ecological risk assessment
HMW	high molecular weight
HQ	hazard quotientI-40 Interstate 40
LOAEL	lowest-observed adverse effects level
LOE	line of evidence
LMW	low molecular weight
main report	Soil Human Health and Ecological Risk Assessment Report
mg/kg-bw/day	mg/kg body weight per day
ng/kg	nanogram per kilogram

NOAEL	no-observed adverse effects level
OCS	Outside the Compressor Station
PA	perimeter area
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
RAWP	Human Health and Ecological Risk Assessment Work Plan
RCRA	Resource Conservation and Recovery Act
RFI/RI	RCRA Facility Investigation/Remedial Investigation
SD	storm drain
SUF	site use factor
SVOC	semi-volatile organic compound
SWMU	Solid Waste Management Unit
TCRA	time-critical removal action
TCS	Topock Compressor Station
T&E	threatened and endangered
TEQ	toxicity equivalent
TPH	total petroleum hydrocarbon
TRV	toxicity reference value
UCL	upper confidence limit
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
WOE	weight of evidence

1 INTRODUCTION

This appendix presents the ecological risk assessment (ERA) for soil at the combined Bat Cave Wash (BCW) 1 and Area of Concern 4 (AOC 4) potential exposure area (BCW+AOC4) located outside the Topock Compressor Station (TCS) in Needles, California. The BCW and AOC 4 potential exposure area (represented by tables starting with BCW+AOC4), shown on Figures BCW+AOC4-1.1a and BCW+AOC4-1.1b, is approximately 20 acres in total and includes sample locations in BCW (including the Tamarisk Thicket), AOC 4, Solid Waste Management Unit 1 (SWMU1), and AOC 28d, as shown in Table BCW+AOC4-1.1 of this appendix.

For the BCW and AOC 4 potential exposure area, available soil data from BCW and AOC 4 were used to conduct a quantitative ERA for three potential large home-range wildlife receptors: red-tailed hawk, desert kit fox, and Nelson's desert bighorn sheep. This appendix summarizes site use, data evaluation, potential receptors, potential exposure pathways, and the results of the ERA for soil in the BCW and AOC 4 potential exposure area. Tables and figures specific to the ERA are also presented in this appendix.

The ERA methodologies are described in the Soil Human Health and Ecological Risk Assessment (HHERA) Report for the TCS (the "main report") and the Human Health and Ecological Risk Assessment Work Plan (RAWP) documents (Arcadis U.S., Inc. [Arcadis] 2008, 2009a, 2015), and are not repeated in this appendix. Discussions of the historical uses of the TCS site and previous sampling and analysis activities are presented in the main report as well.

1.1 Summary of Site Use

The BCW and AOC 4 potential exposure area consists of BCW (including the Tamarisk Thicket), AOC 4, SWMU1, and AOC 28d, as shown on Figures BCW+AOC4-1.1a and b. The background and summary of the site use for BCW and AOC 4 is presented in the Appendices BCW and AOC 4, respectively, and not repeated herein.

2 DATA EVALUATION AND COPEC SELECTION

This section summarizes the data considered for the BCW and AOC 4 ERA and presents the constituents of potential ecological concern (COPECs) selected for the BCW and AOC 4 potential exposure area.

All soil sampling locations at the BCW and AOC 4 potential exposure area are presented on Figures BCW+AOC4-1.1a and BCW+AOC4-1.1b and in Table BCW+AOC4-1.1. The data were evaluated based on methodology described in the RAWP documents (Arcadis 2008, 2009a, 2015). Details of the soil sampling and analysis will be presented in the forthcoming Draft Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI) Report Volume 3 (currently being prepared by Jacobs). For the baseline scenario, soil data from 0 to 6 feet below ground surface (ft bgs) were included in the ERA. Because potential soil contact does not extend below 6 ft bgs for potential ecological receptors, deeper soil data (i.e., greater than 6 ft bgs) were excluded from the risk evaluation, as noted in Table BCW+AOC4-1.1. At AOC 4, due to extensive soil removal, soil samples collected after the time-critical removal action (TCRA) were at depths ranging from 0 to 3 ft bgs only, due to the presence of bedrock, as noted in Table BCW+AOC4-1.1.

Following the steps outlined in Section 3 of the main report, soil data considered usable for the risk assessment were identified and used in the quantitative ERA. For the BCW and AOC 4 potential exposure area, available soil data are presented in Attachment BCW+AOC4-A1. Soil data for the BCW and AOC 4 potential exposure area includes samples collected from BCW (including the Tamarisk Thicket area), AOC 28d, SWMU1, BCW, and AOC 4 (Figures BCW+AOC4-1.1a and BCW+AOC4-1.1b). In addition to the soil data from BCW, samples classified as soil transitioning to sediment from two locations (AOC1-BCW6 and SS-1) were included as part of the soil evaluation for the BCW and AOC 4 potential exposure area (Figure BCW+AOC4.1-1b). Because samples from seven AOC 4 locations (AOC4-1, AOC4-BCW1 through AOC4-BCW6) and one AOC 14 location (RR-1[1]) are within the BCW potential exposure area (Figure BCW+AOC4-1.1a), samples from these locations were included as part of the combined BCW and AOC 4 potential exposure area dataset. In addition, samples from seven perimeter area (PA) locations (PA-01, PA-03, PA-04, and PA-14 through PA-17), and nine storm drain (SD) locations (SD-14 through SD-19, SD-25, SD-26, and SD-OD33) were assigned to the BCW area (Figure BCW+AOC4-1.1a). Soil sampling was conducted at the mouth of AOC 4 where it enters BCW at the south end of BCW as part of the AOC 4 TCRA. Soil data for AOC 4 includes only those sample locations remaining in place after the TCRA activities including and additional samples collected after the TCRA was completed. As part of the TCRA, soil sampling was conducted at the mouth of AOC 4 where it enters BCW at the south end of AOC 1. During the installation of the gabions near the mouth of AOC 4, soil excavation was conducted. Soil samples collected at three gabion locations (AOC4-GB10, AOC4-GB11, and AOC4-GB12) and AOC4-1 are the only sample locations remaining in the mouth of AOC 4 where it enters BCW; therefore, these were evaluated as part of the BCW and AOC 4 potential exposure area.

For the BCW and AOC 4 potential exposure area, soil data are available from 889 samples, of which soil data from 574 samples collected from 0 to 6 ft bgs were considered for use in the ERA (i.e., data from 315 samples collected at depths greater than 6 ft bgs were excluded from the baseline evaluations) as noted in

[1] Evaluated as part of BCW and also as part of AOC 14.

Table BCW+AOC4-1.1. Within this dataset, some samples did not meet data quality criteria; therefore, nondetected results were qualified as rejected with an “R” data qualifier (which will be discussed in in the forthcoming Draft RFI/RI Report, currently being prepared by Jacobs). This occurred for all polycyclic aromatic hydrocarbons (PAHs) in two samples (AOC1-BCW24-245 and AOC1-BCW26-253) and a subset of PAHs in two additional samples (AOC1-BCW24-244 and AOC1-BCW26-252). These “R” qualified PAH data were not included in the ERA.

Data processed for the ERA (e.g., calculation of total concentrations for low molecular weight [LMW] and high molecular weight [HMW] PAHs, polychlorinated biphenyls [PCBs], and dioxin/furan toxicity equivalents [TEQ]) are described in detail in Section 3 of the main report.

The process for identifying COPECs included in the ERA is detailed in Section 3.4 of the main report. COPECs were selected for the BCW and AOC 4 potential exposure area using soil data encompassing all relevant exposure depths for the ERA (i.e., 0 to 6 ft bgs for the BCW and AOC 4 potential exposure area) as presented in Attachment BCW+AOC4-A1). Inorganics, LMW PAHs, HMW PAHs, and dioxin TEQ were above background levels in BCW and AOC 4 potential exposure area soil (0 to 6 ft bgs) and, therefore, are included as COPECs in the baseline exposure depths evaluated in the ERA. All other detected organic constituents in BCW and AOC 4 potential exposure area soil in the baseline evaluation are included as COPECs in the ERA. COPECs selected for exposure depths and scenarios evaluated in the ERA for the BCW and AOC 4 potential exposure area are summarized in Tables BCW+AOC4-2.1a through BCW+AOC4-2.1c for the three soil depth intervals included in the baseline evaluations (i.e., surface, shallow, and subsurface I soil). The selected COPECs are discussed further in Section 5 of this appendix.

3 EXPOSURE POINT CONCENTRATIONS

Depth-weighted and area-weighted exposure point concentrations (EPCs) for COPECs in soil at the BCW and AOC 4 potential exposure area were calculated as described in Section 4 of the main report. For the BCW and AOC 4 potential exposure area, one scenario was evaluated: Baseline (no scouring).

The following exposure depths were evaluated:

1. Surface soil (0 to 0.5 ft bgs)
2. Shallow soil (0 to 3 ft bgs)
3. Subsurface I soil (0 to 6 ft bgs).

For the ERA, consistent with evaluation of potential exposure areas for potential large home receptors described in the RAWP documents (Arcadis 2008, 2009a, 2015), scouring was not evaluated for the BCW and AOC 4 potential exposure area.

The depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment BCW+AOC4-A2. The summary statistics for the BCW and AOC 4 potential exposure area soil depth-weighted datasets and depth- weighted EPCs were calculated consistent with the RAWP documents (Arcadis 2008, 2009a, 2015). Per the RAWP, area-weighted EPCs are evaluated only if depth-weighted EPCs suggest potential risk to potential ecological receptors (i.e., hazard quotient [HQ] > 1 for any COPEC). For the BCW and AOC 4 potential exposure area, area-weighted EPCs were not deemed necessary for the ERA based on the risk estimates using depth-weighted EPCs and, therefore, were not calculated.

If the soil dataset had fewer than four detected values (i.e., concentrations reported above the detection limit) or fewer than eight total observations, the EPC defaulted to the maximum depth-weighted concentration in that dataset.

Soil summary statistics for constituents measured at the BCW and AOC 4[2] potential exposure area and depth--weighted EPCs for COPECs calculated using depth-weighted data from the exposure depths listed above for the BCW and AOC 4 potential exposure area for the baseline scenario are presented in Table BCW+AOC4-3.1. This table also presents the basis of the calculated depth-weighted EPCs, including if the EPC is based on the maximum detected concentration.

Soil exposure does not extend below 3 ft bgs at AOC 4 due to the presence of bedrock below this depth. However, for simplicity, the EPCs for the subsurface I interval in the combined BCW and AOC 4 potential exposure area were calculated using depth-weighted concentrations for the 0- to 6-ft bgs interval for locations in the BCW and AOC 4 potential exposure area. Table BCW+AOC4-3.2 compares the depth-weighted EPCs for AOC 4 for the 0- to 3-ft bgs and 0- to 6-ft bgs intervals and demonstrates that there is no difference in concentrations between the two exposure depths except for mercury. The difference in mercury concentrations between the two exposure depths is minimal (12 % higher in the 0 to 6 ft bgs) and, therefore, unlikely to impact potential risk estimates.

[2] The list of constituents shown in the Section 3 tables is based on analytes that were detected at least once at the site (including all potential exposure areas inside or outside the TCS) and measured at the BCW and AOC 4 potential exposure area.

4 HUMAN HEALTH RISK ASSESSMENT

A human health risk assessment was not conducted for the combined BCW and AOC 4 potential exposure area. The BCW and AOC 4 areas were evaluated for human exposures as part of the Outside the Compressor Station (OCS) (including BCW) potential exposure area. Risk estimates for potential human receptors exposed to soil in the OCS can be found in Appendix OCS.

5 ECOLOGICAL RISK ASSESSMENT

This section summarizes the ERA approach; presents the COPECs, EPCs, dose and risk tables for the BCW and AOC 4 ERA; and characterizes the potential risk to ecological receptors exposed to COPECs in soil at the BCW and AOC 4 potential exposure area. The overall ERA approach for the site is described in Section 6 of the main report, with supporting tables presented in Attachment BCW+AOC4-B.

Per the RAWP documents (Arcadis 2008, 2008, 2015) and California Department of Toxic Substances Control (DTSC) guidance (DTSC 1996), ecological risks were calculated using maximum depth-weighted concentrations and are presented in Attachment BCW+AOC4-C. Risks estimated using maximum depth-weighted concentrations are considered overly conservative and generally used for screening level purposes. Maximum concentrations are not recommended for making risk management decisions at the BCW and AOC 4 potential exposure area, where the area has been adequately characterized and data are available to estimate upper confidence limits (UCLs). Therefore, the risk results based on maximum depth-weighted concentrations are not discussed in this section but are presented in Attachment BCW+AOC4-C.

5.1 Ecological Conceptual Site Model

For potential large home-range receptors (red-tailed hawk, desert kit fox, Nelson's desert bighorn sheep), the BCW and AOC 4 areas were considered one potential exposure area due to the physical nature of these two areas. BCW and AOC 4 potential exposure area are geographically and topographically separated from the other AOCs outside the TCS. BCW and AOC 4 potential exposure area were grouped as a unique potential exposure area, primarily because these two areas are in close proximity and, therefore, the same wildlife populations, especially the potential large home-range receptors, can be expected to forage across both areas.

Following the steps outlined in Section 6.6 and on Figures 2-7 and 6-1 of the main report, risks were estimated for potentially complete and significant exposure pathways identified for the following potential receptors exposed to COPECs in soil at the combined BCW and AOC 4 potential exposure area.

- **Mammals –** may be exposed to COPECs via incidental ingestion of surface, shallow, or subsurface I soil (for burrowing animals) and/or ingestion of biota tissue (i.e., food items). The potential large home-range mammalian indicator receptors evaluated in this ERA for the BCW and AOC 4 potential exposure area included:
    - **Desert Kit Fox** – representative of carnivorous large home-range mammal populations, exposed to surface, shallow, and/or subsurface I soil (incidental) and exposed to only surface soil (through biota uptake). Threatened and endangered (T&E) carnivorous/omnivorous large home-range mammals (i.e., the ring-tailed cat [*Bassariscus astutus*], a California fully protected species) have been observed only in the BCW area. The desert kit fox is the most representative surrogate receptor for the ring-tailed cat and was used to qualitatively evaluate potential risk to the ring-tailed cat in this ERA (see Section 5.6.1.1.3).
    - **Nelson's Desert Bighorn Sheep –** representative of herbivorous large home-range mammal populations exposed to surface, shallow and/or subsurface I soil (incidental and through biota uptake)..

- **Birds –** may be exposed to COPECs via incidental ingestion of surface, shallow, or subsurface I soil and/or ingestion of biota tissue (i.e., food items). The large home-range bird indicator receptor evaluated in this ERA for the BCW and AOC 4 potential exposure area included:
    - **Red-tailed Hawk** – representative of carnivorous bird populations, exposed only to surface soil (incidental ingestion and through biota uptake).

Potential exposure pathways considered incomplete or insignificant were not quantitatively evaluated; these potential exposure pathways are identified and described in Section 6.3 of the main report.

Potential plants, invertebrate, and small home-range receptors (Merriam's kangaroo rat, desert shrew, cactus wren, and Gambel's quail) were evaluated for smaller potential exposure areas (individual AOCs/potential exposure areas) and are discussed in those potential exposure area-specific appendices.

5.1.1 Evaluation of Special-Status Species

The biological setting for the site and the adjacent areas are described in detail in various reports (see Section 2.4 of the main report). Potential habitat exists for special-status species at or near the site. Special status species include state- and federal-listed fully protected T&E species, state and federal species of concern, and traditionally culturally significant plants; however, protection at the no-observed adverse effects level (NOAEL) is warranted only for fully protected species. No special-status species have been observed at AOC 4; however, some have been observed at BCW.

Based on the discussions presented in the 2017 Floristic Survey Report and the Final Programmatic Biological Assessment (CH2M Hill (CH2M) 2014, 2017), the primary terrestrial vegetation at BCW include allscale scrub, also known as cattle saltbush (*Atriplex polycarpa*), in the upland area. Catclaw acacia (*Senegalia greggii*.) were also observed in the upland part of BCW. The primary vegetation present at AOC 4 is sparse creosote bush (*Larrea tridentate).* In the Tamarisk Thicket area of BCW, closer to the National Trails Highway on the northern part of BCW, the vegetation is characterized by open to dense stands of the nonnative and invasive tamarisk or salt cedar and/or athel tamarisk (*Tamarix aphylla*). The associated trees and shrubs include western honey mesquite (*Prosopis glandulosa var. torreyana*), blue palo verde (*Parkinsonia florida*), hillside palo verde (*Parkinsonia microphylla*), mousetail suncup (*Chylismia arenaria*), and desert smoke tree (*Psorothamnus spinosus*). Herbaceous vegetation is absent within dense thickets of tamarisk and athel tamarisk, but scattered herbaceous species such as fanleaf crinklemat (*Tiquilia plicata*), Spanish needle (*Palafoxia arida*), and *Cryptantha spp*. are often present in the openings between the trees in some areas. Many plant species have the potential to be present at the site and several species of plants have been incidentally observed during surveys and these are presented in Table 2-1 of the main report.

No federal or state listed T&E plants or candidates for listing were found at the site, including the BCW or AOC 4 potential exposure area (CH2M 2014, 2017). Of the plants listed above, several are culturally sensitive (ethnobotanical) plants as reported in the 2017 Floristic Survey Report (CH2M 2017) and presented in Table 2-1 of the main report. The mousetail suncup and the hillside palo verde are California Rare Plants. The largest population of mousetail suncup at the site (with approximately nine individuals) was located on a vertical conglomerate rock wall above BCW (CH2M 2017). Several of the plants that had been previously identified at this location, as well as the single plant that had previously been observed on a granitic rock face at the south end of the wash, had died, likely due to natural causes, as reported in the 2017 Floristic Survey Report, but a number of small seedlings were observed at the northernmost occurrence (CH2M 2017). Single

individuals also occur on a conglomerate rocks above the wash south of Interstate 40 (I-40) and on a granitic rock face at the southern end of the wash. It also occurs on a steep rocky slope next to the Burlington Northern Santa Fe (BNSF) railroad tracks. Two other mouse-tail suncup locations were observed along BCW to the south of I-40 and along the rock walls near the southern end of the Action Area. These populations represent a significant range extension for the species as they are more than 90 miles northeast of previously recorded populations in California. Hillside palo verde was found in areas to the south of I-40 on the rocky north-facing slopes of the Chemehuevi Mountains. The number of individuals in this population is approximately 150 trees.

Several species of mammals and birds have been observed at or near the site (Tables 2-2 and 2-4 of the main report). T&E species observed at the site (assuming at BCW; CH2M 2015a, b; DTSC 2018) included the ring-tail cat, primarily a carnivorous mammal. Bat surveys indicated presence of cave myotis (Myotis velifer) and pallid bat (*Antrozous pallidus),* both state species of concern, at BCW, BCW culverts, and railroad culverts (Harvey 2015). Yuma myotis (*Myotis yumanensis*), although not formally listed, was also observed at BCW. These potential receptors are all large home-range receptors and potential risk to these species are discussed below. The Tamarisk Thicket area in the north end of BCW is considered a potential habitat for the southwestern willow flycatcher (*Empidonax traillii extimus*), which is listed as a federal and state T&E species. In the Tamarisk Thicket potential exposure area, a southwestern willow flycatcher was observed in 2009 but not observed in subsequent surveys (Garcia and Associates [GANDA 2017]). To date, no active nests of any migratory birds have been documented during these surveys or by protocol-level surveys conducted up to 2017. In the 2014 survey, five southwestern willow flycatchers were observed, but none in the BCW and AOC 4 potential exposure area. Based on the single detections for each observation, it was concluded that they were most likely transient rather than nesting birds (GANDA 2014, 2017). The most recent survey was conducted in 2017 and no southwestern willow flycatchers were observed (GANDA 2017).

To be consistent with the GWRA (Arcadis 2009b) and observations made by a PG&E employee at the site, Nelson's desert bighorn sheep was evaluated quantitatively. As discussed in the special-status species memo (CH2M 2015b, DTSC 2018), surveys indicate potential suitable habitat for these species are available onsite in areas within California to the south of I-40 including BCW, the East Ravine, surrounding uplands, and the floodplain. Although site use by bighorn sheep cannot be excluded, it is likely limited by existing human activity at the TCS and near I-40 to the north. The site has relatively poor historical floodplain habitat that is dominated by large thickets of tamarisk that are generally dense, mono-specific stands, with little herbaceous vegetation. Because the project area foothills, uplands, and floodplain habitats are only expected to be used for foraging or transit. However, the area east/southeast of the site and along the Colorado River offers higher quality habitat and is where desert bighorn sheep have been observed during the summer or drought months.

The risk estimates presented here are considered to be protective of special-status species due to the conservative nature of the ERA where conservative parameters (e.g., small potential exposure areas, selected indicator species for each functional group considered on the high end of potential exposures for typical receptors at the site within that group, use of no-effects based toxicity values) were used to assess risks to a wide range of potential receptors at various trophic levels. Although a large home-range receptor representative of bats was not quantitatively evaluated, no unacceptable risk to bats are expected in the BCW and AOC 4 potential exposure area. Presence of bats roosting were observed at BCW; however, bats tend to forage near water (i.e., the river) where insects are likely to be abundant. Bats also have large home ranges (e.g., 42 acres for myotis [Henry et al. 2002]) and exposure to COPECs in the BCW and AOC 4 potential

exposure area soil is unlikely to result in unacceptable risk. Therefore, further evaluation of special-status bat species was not considered necessary.

Although potential risk to the ring-tailed cat and special-status bat species were not directly or quantitatively evaluated in this ERA, potential risks were evaluated qualitatively, as described below in Section 5.6.1.1.3. As presented below, based on the risk evaluations, weight of evidence (WOE), and uncertainties, potential unacceptable risk to special-status species is unlikely.

5.2 Constituents of Potential Ecological Concern

COPECs selected for either the individual BCW potential exposure area or AOC 4 potential exposure area were also selected as COPECs for the combined BCW and AOC 4 potential exposure area. These COPECs were selected in accordance with the RAWP (Arcadis 2008) and as described in Section 3.4 of the main report. Soil data encompassing all relevant exposure depths for the ERA (i.e., 0 to 6 ft bgs for the BCW and AOC 4 potential exposure area) and used in the COPEC selection process are presented in Attachment BCW+AOC4-A1.

Because a potential ecological receptor could be exposed to COPECs at various exposure depths either directly and/or through their diet for a given scenario, a single comprehensive COPEC list was selected based on the range of soil depths encountered by potential ecological receptors in the baseline exposure scenario. Additionally, essential nutrients (such as calcium and potassium) and analytes typically measured to evaluate geochemical conditions (such as chloride, nitrate, and sulfate), are not typically evaluated in ERAs and were not selected as COPECs. COPECs for the three exposure depths evaluated for the baseline scenario for this ERA are summarized in Table BCW+AOC4-5.1.

For the BCW and AOC 4 potential exposure area, COPECs included metals (antimony, barium, hexavalent chromium, total chromium, cobalt, copper, lead, mercury, nickel, thallium, vanadium, and zinc), volatile organic compounds (VOCs) (methyl acetate), semi-volatile organic compounds (SVOCs) (bis [2-ethylhexyl] phthalate), LMW PAHs, HMW PAHs, PCBs, and dioxin TEQ. Total petroleum hydrocarbons (TPHs) were also identified as COPECs; however, due to lack of appropriate toxicity values to evaluate TPHs for potential ecological receptors, indicator chemicals (e.g., benzene, toluene, ethylbenzene, and xylene [BTEX] and PAHs) when detected, are used to characterize TPH risks. COPECs lacking toxicity values and their impact to the ERA are discussed in Section 6.7 of the main report.

5.3 Exposure Point Concentration Summary

For the potentially complete and significant exposure pathways identified in the ecological conceptual site model (CSM), soil EPCs were calculated as described in Section 4.2 of the main report and presented in Section 3 of this appendix.

For the BCW and AOC 4 potential exposure area, risks to potential ecological receptors were estimated using depth-weighted EPCs. Depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment BCW+AOC4-A2. As noted above in Section 3, area-weighted EPCs were not deemed necessary for the ERA and, therefore, not calculated.

Biota tissue EPCs were calculated from the soil EPCs using soil-to-biota uptake relationships for plants, invertebrates, and small mammals, as described in Section 6.4.3 of the main report. As described in Section

6.4 and shown on Figure 6-1 of the main report, the depth intervals selected to represent exposure to soil and biota tissue for the risk calculations for each receptor are presented in Table BCW+AOC4-5.2.

To summarize:

- Carnivorous birds (red-tailed hawk) could potentially be exposed to COPECs in soil and/or biota at the surface (0 to 0.5 ft bgs). Therefore, exposures to carnivorous birds included the depth-weighted soil EPC from 0 to 0.5 ft bgs for incidental soil ingestion and the depth-weighted biota EPC from 0 to 0.5 ft bgs for dietary exposure (estimated using the surface soil depth-weighted EPC and soil-to-mammal bioaccumulation factor/model) for each COPEC.
- Carnivorous mammals (desert kit fox) could potentially be exposed to COPECs in soil down to 6 ft bgs and COPECs in biota at the surface (0 to 0.5 ft bgs). Therefore, exposures to carnivorous mammals included the maximum of the depth-weighted soil EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for incidental soil ingestion and the depth-weighted biota EPC from 0 to 0.5 ft bgs for dietary exposure (estimated using the surface soil depth-weighted EPC and soil-to-mammal bioaccumulation factor/model) for each COPEC.
- Herbivorous mammals (Nelson's desert bighorn sheep) could potentially be exposed to COPECs in soil and biota down to 6 ft bgs. Therefore, exposures to herbivorous mammals included the maximum of the depth-weighted soil and biota EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for incidental soil ingestion and the maximum of the depth-weighted soil and biota EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for dietary exposure (estimated using the selected soil depth-weighted EPC and soil-to-plant uptake factor/model) for each COPEC.

Depth-weighted soil EPCs and biota tissue EPCs calculated from depth-weighted soil EPCs are presented in Table BCW+AOC4-5.3 and the representative soil and/or biota EPCs identified for the baseline risk calculations are bolded in this table. Of the COPECs identified at BCW and AOC 4, methyl acetate was not detected in surface soil; therefore, exposures to this COPEC by potential receptors only exposed to surface soil (carnivorous birds) were not estimated. Although VOCs were detected in shallow and subsurface I soil, uptake into biota is considered negligible (assumed to be zero for the risk calculations[3]); therefore, exposure through diet is considered incomplete. Therefore, for carnivorous mammals (desert kit fox), risks from methyl acetate were estimated only from incidental ingestion of soil and not from ingestion of biota.

Per the RAWP (Arcadis 2008) and DTSC guidance (DTSC 1996), risk calculations based on both the maximum depth-weighted concentration and the UCL for each COPEC are required. As mentioned earlier in this section, using the maximum depth-weighted concentrations results in overly conservative risks and is not recommended for supporting risk management decisions. The estimated risks based on maximum depth-weighted concentrations are presented in Attachment BCW+AOC4-C but results are not discussed in this report.

5.4 Estimation of Exposure Concentration or Dose

Exposures for wildlife (mammals and birds) are quantified as doses (e.g., in units of milligram per kilogram body weight per day [mg/kg-bw/day]). Exposure concentrations (ECs) and doses for COPECs in soil and

[3] VOCs have low bioaccumulation potential (octanol-water partition coefficient is low [log Kow < 2]) and uptake into biota is considered negligible for these constituents.

potentially complete pathways were calculated as described, including equations, in Section 6.4 of the main report. The exposure parameters selected to evaluate wildlife in this ERA include upper bound values from literature (e.g., ingestion rates) or assumed (e.g., 100% of one type of diet) which may result in conservative estimates of exposure dose and potential overestimation of actual exposure at the site.

For wildlife, doses were calculated using the exposure parameters and equations presented in Section 6.4 of the main report. Depth-weighted soil and biota tissue EPCs for COPECs at the BCW and AOC 4 potential exposure area are presented in Table BCW+AOC4-5.3 for the depth-weighted risk evaluations. Dose calculations using depth-weighted EPCs for wildlife potentially exposed to COPECs via ingestion of soil and biota tissue for the baseline scenario are presented in Attachment BCW+AOC4-B. Dose calculations using maximum depth-weighted concentrations for wildlife potentially exposed to COPECs via ingestion of soil and biota tissue for the baseline scenario are presented in Attachment BCW+AOC4-C.

5.5 Effects Assessment

Dose-based toxicity reference values (TRVs) for wildlife for COPECs were used to estimate risks to ecological receptors potentially exposed to COPECs in soil and biota tissue at the BCW and AOC 4 potential exposure area. TRVs are discussed in Section 6.5 and presented in Tables 6-7 through 6-10 of the main report.

A range of risks to wildlife were estimated using the NOAEL-based TRVs and lowest-observed adverse effects level (LOAEL)-based TRVs presented in the RAWP documents (Arcadis 2008, 2009a, 2015). These selected TRVs were primarily based on the TRVs used to develop the U.S. Environmental Protection Agency (USEPA) Ecological Soil Screening Levels (EcoSSLs; USEPA 2008); other sources included the Toxicological Benchmarks for Wildlife from the Oak Ridge National Laboratory (Sample et al. 1996) and USEPA the Region 6 ERA Guidance (USEPA 1999). In addition, for estimating potential risk to wildlife, a second set of NOAEL- and LOAEL-TRVs[4] based on the Navy/Biological Technical Assistance Group (BTAG) TRVs (DTSC 2002, 2009) were also used for COPECs, where available. Wildlife TRVs based on selected TRVs and BTAG TRVs are presented in the main report Tables 6-8 and 6-8, respectively. TRVs based on allometric conversions, when warranted, are presented in Tables 6-9 and 6-10, respectively.

TRVs are not available for antimony, barium, and methyl acetate for birds; therefore, risks to birds from exposure to these specific COPECs could not be estimated. In addition, appropriate TRVs are not available for TPHs; therefore, PAHs were used as indicator chemicals to characterize TPH risks at the BCW and AOC 4 potential exposure area (BTEX were not detected). The lack of TRVs and the impact to the ERA are discussed in Section 6.7.5 of the main report.

5.6 Ecological Risk Characterization

The risk characterization integrates the results of the exposure assessment and effects assessment and is subject to uncertainties in both of those efforts. Risk characterization includes two major components: risk estimation and risk description. As presented in tables and discussed below, risk estimates (i.e., HQs) involved integrating exposure profiles with the exposure-effects information. For each receptor and COPEC,

[4] Although these are referred to as LOAEL-based BTAG TRVs, they are based on a midpoint of a variety of adverse effects and are not necessarily lowest observed adverse effect levels. However, for simplicity, these BTAG TRVs are referred to as LOAEL-based TRVs.

risk descriptions including various lines of evidence (LOEs) and uncertainties, including HQs, supporting statistical and site use information, and the direction of uncertainty in the risk estimates, are discussed below for interpreting the risk results and identifying potential unacceptable risk to ecological receptors. Uncertainties specific to the BCW and AOC 4 potential exposure area are discussed in context with the risk characterization results presented below. Generic uncertainties in the ERA are discussed in detail in Section 6.7 of the main report.

For wildlife, a range of HQs was calculated using NOAEL- and LOAEL-based TRVs previously identified in the RAWP documents (Arcadis 2008, 2009a, 2015). HQs based on LOAEL-based TRVs selected in the RAWP are referred to as "LOAEL-based HQs." HQs based on NOAEL-based TRVs selected in the RAWP are referred as "NOAEL-based HQs." Additionally, NOAEL and LOAEL HQs were calculated using a second set of TRVs (i.e., NOAEL- and LOAEL-based BTAG TRVs), as described in Section 6.5 of the main report. The BTAG NOAEL-based TRVs are considered very conservative, resulting in a wide range of risks to wildlife. For this ERA, the selected TRVs are considered more robust than the BTAG TRVs, as discussed in Section 6.5 of the main report. Results associated with the selected TRVs are recommended for risk management decisions at the BCW and AOC 4 exposure area.

Following USEPA guidance (1998), the estimated HQs were evaluated a semi-quantitative WOE approach using multiple LOEs was used in reducing uncertainty and drawing risk conclusions.

Risk conclusions for wildlife used the following criteria:

- COPECs with NOAEL-based HQs less than or equal to 1 pose *de minimis* risk (i.e., negligible risk) to individuals and populations of potential wildlife receptors.
- COPECs with a NOAEL-based HQ greater than 1 but LOAEL-based HQ less than or equal to 1 pose no unacceptable risks to wildlife populations. However, as described in the RAWP (Arcadis 2008), unacceptable risk to individuals are uncertain because the NOAEL-based TRVs are thresholds with an interval that is an artifact of the dosing study and the nature and magnitude of the effects, if any, that may occur at exposures between these values is unknown. In such cases, a WOE approach, including multiple LOEs, were used in reducing uncertainty for characterizing potential risk to individual wildlife receptors.
- COPECs with LOAEL-based HQs greater than 1 indicate unacceptable risk is possible for populations of potential wildlife receptors. However, these LOAEL-based HQs greater than 1 are based on individual-level effects thresholds and only account for a single LOE. In such cases, a WOE approach was used in reducing uncertainty for characterizing potential risk to wildlife populations at BCW and AOC 4, as described in the above bullet.
- NOAEL-based HQs greater than 1 is considered one LOE in assessing potential risk to sensitive species, if present in this potential exposure area. Evaluation of T&E species for BCW and AOC 4 is presented in Section 5.1.1.

Ultimately three risk outcomes are possible for wildlife based on the HQs greater than 1 and WOE: (1) unacceptable risk to individual wildlife is possible (i.e., indicated by sufficient and strong supporting LOEs); (2) unacceptable risk to individual wildlife is unlikely (i.e., indicated by sufficient and strong LOEs supporting a conclusion of no unacceptable risk); or (3) unacceptable risk to individual wildlife is uncertain (i.e., indicated by insufficient LOEs).

For this ERA, the results of individual LOE evaluations were evaluated collectively to derive an overall WOE conclusion for each receptor. Key uncertainties were considered along with the strength, relevance, and other qualities of the LOEs in reaching the WOE conclusions.

For the BCW and AOC 4 potential exposure area, evaluations were completed using depth-weighted EPCs, as discussed in this section. In these evaluations, risk calculations were completed for all COPECs, as presented in Tables BCW+AOC4-5.4a and BCW+AOC4-5.4b Based on the risks estimated using depth-weighted EPCs, evaluation of the baseline scenario using area-weighted EPCs is not necessary and, therefore, is not presented. At the conclusion of the baseline scenario evaluation, risk drivers were identified based on those COPECs for which unacceptable population-level risk was predicted using the most refined exposure and effects assumptions (i.e., site-specific site use factor [SUF], area-weighted EPCs, and selected TRVs).

5.6.1 Risk Characterization (Baseline Scenario and Depth-Weighted EPCs)

Risk estimates for wildlife (mammals and birds) for the baseline scenario using depth-weighted EPCs are summarized in this section. As mentioned earlier in Section 5.4, ECs and doses for COPECs in soil and potentially complete pathways were calculated as described, including equations, in Section 6.4 of the main report. Detailed risk calculations for wildlife (Tables BCW+AOC4-B.1 through BCW+AOC4-B.4) are presented in Attachment BCW+AOC4-B. COPECs identified at the BCW and AOC 4 potential exposure area for the baseline scenario include 12 metals, PAHs, VOCs (methyl acetate), SVOCs (bis [2-ethylhexyl] phthalate), TPHs, PCBs, and dioxin TEQ in soil (Table BCW+AOC4-5.1). Potential risk to receptors exposed to these COPECs is described below.

5.6.1.1 Large Home-Range Mammals

For the BCW and AOC 4 potential exposure area, baseline risks were estimated for large home-range mammals using depth-weighted EPCs for the following evaluations and discussed in this section:

- Using the selected TRVs and a SUF equal to 1
- Using the BTAG TRVs and a SUF equal to 1
- Using the selected TRVs and a species and site-specific SUF
- Using the BTAG TRVs and a species and site-specific SUF.

5.6.1.1.1 Risks Evaluated Using an SUF Equal to 1

Risks Evaluated Using Selected TRVs

Table BCW+AOC4-5.4a summarizes HQs estimated for large home-range mammals at the BCW and AOC 4 potential exposure area using the selected TRVs, depth-weighted EPCs, and an SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each receptor are summarized below. TRVs are not available for TPHs; however, risks to these potential receptors are characterized below based on indicator chemicals as described previously.

- **Desert Kit Fox (carnivorous mammal):** This receptor could potentially be exposed to COPECs in subsurface I soil (0 to 6 ft bgs) directly and surface soil (0 to 0.5 ft bgs) through its diet (i.e., uptake into

biota and ingestion of those biota). NOAEL- and LOAEL-based HQs in soil are less than 1 for all individual COPECs except dioxin TEQ. The potential risks from COPECs with HQs greater than 1 are characterized below.

- For dioxin TEQ, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous mammals; however, unacceptable risk to individual potential receptors are uncertain for dioxin TEQ in soil based on the HQ. Dioxin TEQ was frequently detected in surface soil (frequency of detection = 99% in the 0- to 0.5-ft bgs and 0- to 6-ft bgs intervals) with 107 of 161 surface soil locations (0 to 0.5 ft bgs) and 109 of 165 subsurface I soil (0 to 6 ft bgs) locations having depth-weighted concentrations exceeding the background threshold value (BTV = 5.58 nanograms per kilogram [ng/kg]). Concentrations greater than 10 times the BTV are found at 25 locations in surface soil and 26 locations in subsurface I soil. As described in Section 6.7 of the main report, the mammalian TRVs (lowest available NOAEL and LOAEL) and uptake factors (bioaccumulation based on a single congener is considered overly conservative) selected for dioxins at these sites. The mammalian TRVs and uptake factors selected for dioxins at this site likely overestimate exposure and risk for this COPEC., T&E carnivorous/omnivorous large home-range mammals (i.e., the ring-tailed cat) have been observed in in parts of this potential exposure area (i.e., BCW, see Section 5.1.1). Unacceptable risk to individual carnivorous mammals from exposure to dioxin TEQ at BCW and AOC 4 potential exposure area is unlikely in this scenario.
- For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that no unacceptable risk to carnivorous mammals from exposure to TPH is expected.
- The NOAEL- and LOAEL-based HQs for all other COPECs in soil are less than 1, indicating *de minimi*s risk to individuals and populations of carnivorous mammals for these COPECs**.**

- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** This receptor could potentially be exposed to COPECs in subsurface I soil (0 to 6 ft bgs) directly and through its diet. NOAEL- and LOAEL-based HQs in soil are less than 1 for all individual COPECs, indicating *de minimis* risk to individuals and populations of herbivorous mammals.
  - For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that no unacceptable risk to herbivorous large home-range mammals from exposure to TPH is expected.

Based on the risk estimates and potential uncertainties associated with the baseline risk from dioxin TEQ for carnivorous mammals, this COPEC was further evaluated site-specific SUFs below.

Risks Evaluated Using the BTAG TRVs

Table BCW+AOC4-5.4a also summarizes HQs estimated for large home-range mammals at the BCW and AOC 4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and an SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each receptor are summarized below.

- **Desert Kit Fox (carnivorous mammal):** The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individual potential receptors and populations of carnivorous mammals.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individual potential receptors and populations of herbivorous large home-range mammals.

Summarized below are all HQ estimates for large home-range mammals for COPECs where at least one NOAEL-based HQ value (using the selected TRV or BTAG TRV) is greater than 1:

Hazard Quotient Summary for Large Home-Range Mammals (SUF = 1)								
	Desert Kit Fox				Nelson's Desert Bighorn Sheep			
COPEC	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
TEQ Mammals	**3E+00**	3E-01	--	--	5E-01	5E-02	--	--

Notes:
Bold indicates HQs > 1.
-- = HQ not estimated because TRVs are unavailable.

5.6.1.1.2 Risks Evaluated Using a Site-Specific SUF

Risks Evaluated Using Selected TRVs

Table BCW+AOC4-5.4b presents HQs calculated for large home-range mammals at the BCW and AOC 4 potential exposure area using the selected TRVs and BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each receptor are summarized below.

- **Desert Kit Fox (carnivorous mammal):** The site-specific SUF for this receptor is 0.007 which reduced the NOAEL- and LOAEL-based HQs for dioxin TEQ to less than 1. (*De minimis* risk to individual and populations carnivorous mammals is expected when accounting for site use at the BCW and AOC 4 potential exposure area.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The site-specific SUF for this receptor is 0.02 which further reduced the NOAEL- and LOAEL-based HQs below 1. *De minimis* risk to individuals and populations herbivorous mammals is expected when accounting for site use at the BCW and AOC 4 potential exposure area.

Risks Evaluated Using the BTAG TRVs

Table BCW+AOC4-5.4b also summarizes HQs estimated for large home-range mammals at BCW and AOC4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each receptor are summarized below:

- **Desert Kit Fox (carnivorous mammal):** The site-specific SUF for this receptor further reduced the NOAEL- and LOAEL-based HQs in soil to less than 1, indicating *de minimis* risk to individual potential receptors and populations of carnivorous large home-range mammals.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The site-specific SUF for this receptor further reduced the NOAEL- and LOAEL-based HQs in soil to less than 1, indicating *de minimis* risk to individual potential receptors and populations of herbivorous large home-range mammals.

For the COPECs with NOAEL-based HQs greater than 1 using a SUF of 1 (using the selected TRV or BTAG TRV), HQ estimates using the species- and site-specific SUF for large home-range mammals are summarized below:

Hazard Quotient Summary for Large Home-Range Mammals (Site-Specific SUF)								
	Desert Kit Fox (SUF = 0.007)				Nelson's Desert Bighorn Sheep (SUF = 0.02)			
COPEC	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
TEQ Mammals	2E-02	2E-03	--	--	9E-03	9E-04	--	--

Note:
-- = HQ not estimated because TRVs are unavailable.

5.6.1.1.3 Qualitative Risk Evaluation for Special-Status Mammals

As discussed earlier in Section 5.1.1, the ring-tailed cat (a California fully protected species) and two special-status species of bats including cave myotis and pallid bat, both state species of concern, have been observed at BCW, which is within the OCS. Although potential risks to these receptors were not directly or quantitatively evaluated in this ERA, potential risks were evaluated qualitatively, as described below:

- For the ring-tail cat, the desert kit fox is the most representative surrogate receptor based on body sizes, similar dietary preferences, and large home ranges. Unlike the fox, which lives and forages primarily in the open desert, on creosote bush flats, and amongst the sand dunes (National Park Service 2015), the ring-tail cat prefers habitat associated with water (California Department of Fish and Wildlife [CDFW] 2005) and is unlikely to use upland areas in the OCS potential exposure area frequently. Risk estimates for the fox are adequate to evaluate potential risk to the ring-tail cat. The NOAEL-based HQs greater than 1 estimated for the fox using a SUF of 1 are low in magnitude and would reduce to *de minimis* levels using a site-specific SUF for ring-tail cat based on a home range of 109 to 1,280 acres (CDFW 2005). Because the ring-tail cat is likely to forage in the riparian area, the risk characterization for the Tamarisk Thicket is considered adequate for evaluating for potential risk to the ring-tail cat as well (see Appendix TT).
- For bats, the desert shrew is the most representative surrogate receptor based on prey preferences (invertebrates); however, bats have significantly larger home ranges than shrews and are less exposed to soil, as they are aerial feeders. The NOAEL-based HQs for the shrew at BCW (see Appendix BCW) are less than 1 for all COPECs except for antimony, total chromium, and dioxin TEQ. The NOAEL-based HQs would be reduced to *de minimis* levels when using a site-specific SUF for bats (e.g., 42 acres for myotis

[Henry et al. 2002] compared to the home range of 0.1 for the shrew) in addition to the LOE discussed for BCW including compounded uncertainties related to dioxin uptake and TRVs.

Based on the results of the ERA, potential exposures to COPECs in soil at BCW and AOC 4 potential exposure area are not expected to pose unacceptable risk to potential ecological receptors including special-status species.

5.6.1.1.4 Baseline Risk Summary for Large Home-Range Mammals Using Depth-Weighted EPCs

To summarize, based on the risks characterized for large home-range mammals exposed to COPECs in soil at the BCW and AOC 4 potential exposure area using selected TRVs[5], depth-weighted EPCs, and a site- and species-specific SUF, the risk conclusions are as follows:

- **Desert Kit Fox (carnivorous mammal):** The NOAEL-based and LOAEL-based HQs are less than 1, indicating no unacceptable risk to individuals and populations of carnivorous large home-range mammals for all COPECs.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The NOAEL-based and LOAEL-based HQs are less than 1, indicating no unacceptable risk to individuals and populations of herbivorous large mammals for all COPECs.
- **Special-Status Species:** Qualitative evaluation of special-status species (ring-tail cat and bats), using HQs for surrogate receptors and species-specific SUFs, indicates no unacceptable risk resulting from exposure to soil in the BCW and AOC 4 potential exposure area for these species.

To summarize, based on the risks characterized for populations of large home-range mammals exposed to COPECs in soil at BCW and AOC 4 potential exposure area using selected TRVs, depth-weighted EPCs, and a site- and species-specific SUF, the NOAEL-based HQs and LOAEL-based HQs are less than 1 for all COPECs, indicating no unacceptable risk to individuals or populations of large home-range mammals, including T&E species from exposure to soil at the BCW and AOC 4 potential exposure area. No further evaluation of these potential receptors is required.

Potential Risk Drivers for Large Home-Range Mammals at the BCW and AOC 4 Exposure Area

No risk-driving COPECs for large home-range mammals were identified at the BCW and AOC 4 potential exposure area, as no unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1) was predicted based on the HQs calculated using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs[6], and selected TRVs) and additional supporting LOEs. Additionally, no COPECs with NOAEL-based HQs greater than 1 using the most refined exposure and effects assumptions and additional LOEs supporting the conclusions of unacceptable risk were identified at BCW and AOC 4 potential exposure area.

[5] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions and only those results are summarized.

[6] Evaluation of area-weighted EPCs is not warranted for these receptors.

5.6.1.2 Large Home-Range Birds

For the BCW and AOC 4 potential exposure area, baseline risks were estimated for birds using depth-weighted EPCs for the following evaluations and are discussed in this section:

- Using the selected TRVs and SUF equal to 1
- Using the BTAG TRVs and a SUF equal to 1
- Using the selected TRVs and a species and site-specific SUF
- Using the BTAG TRVs and a species and site-specific SUF.

5.6.1.2.1 Risks Evaluated Using an SUF equal to 1

Risks Evaluated Using Selected TRVs

Table BCW+AOC4-5.4a summarizes HQs estimated for large home-range birds (i.e., red-tailed hawk) at the BCW and AOC 4 potential exposure area using the selected TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for this receptor are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** This receptor could potentially be exposed to COPECs in surface soil (0 to 0.5 ft bgs) directly and through its diet. NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individuals and populations of carnivorous birds. TRVs are not available for TPHs; however, risks to this receptor is characterized below based on indicator chemicals as described previously.
    - For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating *de minimis* risk to carnivorous birds from exposure to TPH is expected.

No unacceptable risks to birds are expected for the baseline scenario. No further evaluation of COPECs using selected TRVs and site-specific SUFs for birds was required in this scenario.

Risks Evaluated Using the BTAG TRVs

Table BCW+AOC4-5.4a also summarizes HQs estimated for birds at the BCW and AOC 4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each receptor are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** NOAEL-based HQ for lead is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous birds; however, unacceptable risk to individual potential receptors is uncertain for this COPEC based on the HQ. The risks from lead are likely overestimated due to the conservative avian TRV. The uncertainties associated with the BTAG TRVs are discussed in Section 6.7.5 of the main report. NOAEL- and LOAEL-based HQs for other COPECs in soil are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for the remaining COPECs.

Summarized below are all HQ estimates for birds for COPECs where at least one NOAEL-based HQ value (using the selected TRV or BTAG TRV) is greater than 1:

COPEC	Red-Tailed Hawk (SUF = 1)			
	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Lead	2E-01	9E-02	**2E+01**	3E-02

Note:
Bold indicates HQs > 1.

5.6.1.2.2 Risks Evaluated Using a Site-Specific SUF

Risks Evaluated Using Selected TRVs

Table BCW+AOC4-5.4b presents HQs calculated using the selected TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for red-tailed hawk are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** The site-specific SUF for this receptor is 0.008 which further reduced the NOAEL- and LOAEL-based HQs to less than 1 for all COPECs. *De minimis* risk to populations and individual carnivorous birds is expected when accounting for site use at the BCW and AOC 4 potential exposure area.

Risks Evaluated Using the BTAG TRVs

Table BCW+AOC4-5.4b also summarizes HQs estimated for birds at the BCW and AOC 4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for red-tailed hawk are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** The site-specific SUF for this receptor is 0.008 which reduced the NOAEL HQs for lead to less than 1, indicating no unacceptable risk to individual potential receptors or populations of carnivorous birds. The risks from lead are likely overestimated due to the conservative avian BTAG TRV. The uncertainties associated with the BTAG TRVs are discussed in Section 6.7 of the main report. NOAEL- and LOAEL-based HQs for other COPECs in soil are less than 1, indicating de minimis to populations of carnivorous birds for the remaining COPECs.

For the COPECs with NOAEL-based HQs greater than 1 using a SUF of 1 (using the selected TRV or BTAG TRV), HQ estimates using the species- and site-specific SUF for red-tailed hawk are summarized below.

COPEC	Red-Tailed Hawk (SUF = 0.008)			
	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Lead	1E-03	7E-04	2E-01	3E-04

5.6.1.2.3 Baseline Risk Summary for Large Home-Range Birds Using Depth-Weighted EPCs

To summarize, based on the risks characterized for populations of birds exposed to COPECs in soil at the BCW and AOC 4 potential exposure area using selected TRVs[7], depth-weighted EPCs, and a site-specific SUF, the risk conclusions are as follows:

- **Red-Tailed Hawk (carnivorous bird):** The NOAEL- and LOAEL-based HQs for all COPECs are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for all COPECs.

Based on the risks characterized for populations of large home-range birds (i.e., red-tailed hawk) exposed to COPECs in soil at the BCW and AOC 4 potential exposure area using selected TRVs, depth-weighted EPCs, and a site- and species-specific SUF, the NOAEL-based HQs and LOAEL-based HQs are less than 1 for all COPECs, indicating no *de minimis* risk to individuals or populations of birds due to exposure to soil at the BCW and AOC 4 potential exposure area. No further evaluation of this receptor is required.

Potential Risk Drivers for Large Home-Range Birds at the BCW and AOC 4 Exposure Area

No risk-driving COPECs for large home-range birds were identified at the BCW and AOC 4 exposure area as no unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1) was predicted using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs[8], and selected TRVs) and additional supporting LOEs. Additionally, no COPECs with NOAEL-based HQs greater than 1 using the most refined exposure and effects assumptions and additional LOEs supporting the conclusions of unacceptable risk were identified at BCW and AOC 4 potential exposure area.

[7] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions and only those results are summarized.

[8] Evaluation of area-weighted EPCs is not warranted for these receptors.

6 SUMMARY AND CONCLUSIONS FOR THE ERA

Potential cumulative cancer risks and noncancer hazards for potential human receptors were not estimated for the BCW and AOC 4 potential exposure area, as this area is evaluated as part of the OCS potential exposure area for potential human receptors (Appendix OCS). For potential ecological receptors, risks were estimated as presented above in Section 5 of this appendix. Uncertainties related to the ERAs at the site are discussed in detail in Section 6.7 of the main report, and uncertainties specific to the BCW and AOC 4 potential exposure area are discussed in this appendix. For the BCW and AOC 4 potential exposure area, an ERA was conducted per the RAWP documents (Arcadis 2008, 2009a, 2015). One scenario (baseline, i.e., no scouring) was evaluated, and risks were estimated for various potential receptors using depth-weighted EPCs. Risks estimated based on depth- weighted EPCs did not suggest potential risk to ecological receptors (i.e., HQs were less than or equal to 1 for all COPECs); therefore, risks based on area-weighted EPCs were not necessary. As such, risks based on only the depth-weighted EPCs are discussed in this appendix. Three potential large home-range wildlife receptors (red-tailed hawk, desert kit fox, and Nelson's desert bighorn sheep) were evaluated for exposure to COPECs in the BCW and AOC 4 soil potential exposure area.

At the BCW and AOC 4 potential exposure area, the COPECs identified for the ERA include metals (antimony, barium, hexavalent chromium, total chromium, cobalt, copper, lead, mercury, nickel, thallium, vanadium, and zinc), VOCs (methyl acetate), SVOCs(bis [2-ethylhexyl] phthalate), LMW PAHs, HMW PAHs, PCBs, TPHs, and dioxin TEQ. Risks could not be estimated for potential receptors lacking available TRVs for COPECs; such cases are discussed in the uncertainty analysis of the main report. These COPECs are unlikely to be risk drivers and are assumed to have minimal impact to the conclusions of the ERA.

Risks were estimated using depth-weighted EPCs. Evaluation of area-weighted EPCs was not necessary based on the results of the depth-weighted EPC evaluation. Risk conclusions were based on the following criteria:

- COPECs with NOAEL-based HQs less than or equal to 1 pose *de minimis* risk to potential wildlife receptors.
- COPECs with NOAEL-based HQs greater than 1 but LOAEL-based HQs less than or equal to 1 pose no unacceptable risk to wildlife populations; however, potential for unacceptable risk to individuals is uncertain based on the HQ. A WOE approach was used to characterize potential risk to individual potential receptors.
- COPECs with LOAEL-based HQs greater than 1 pose possible unacceptable risk to populations of potential wildlife receptors based on the HQ LOE.

The risk estimates (i.e., HQs) represent a single LOE in the risk characterization. A qualitative WOE approach, incorporating other LOEs and uncertainties, was used to characterize risk to wildlife populations at the BCW and AOC 4 potential exposure area. HQs for all the COPECs for the baseline scenario calculated using depth-weighted EPCs, selected TRVs, and site- and species-specific SUFs are summarized in Table BCW+AOC4-6.1. The LOAEL HQs based on depth-weighted EPCs were less than one for desert kit fox, Nelson's desert bighorn sheep, and red-tailed hawk. The various LOEs considered in the WOE assessment and risk conclusions are presented in Table BCW+AOC4-6.2.

Based on the ecological risk characterization for the BCW and AOC 4 potential exposure area, using depth-weighted EPCs, site and species-specific SUFs, and selected TRVs, the following conclusions were made.

6.1 Mammals

Overall, no unacceptable risks to populations of large home-range mammals exposed to COPECs in soil are expected. *De minimis* risk to carnivorous mammals (represented by the desert kit fox) and herbivorous mammals (represented by Nelson's desert bighorn sheep) is expected from exposure to COPECs in soil based on NOAEL- and LOAEL-based HQs less than 1 for all COPECs. T&E mammals with large home ranges have been observed in the BCW and AOC 4 potential exposure area. However, no unacceptable risk to individual potential receptors exposed to COPECs in soil at BCW and AOC 4 are expected based on the HQs.

6.2 Birds

Overall, no unacceptable risks to populations of large home-range birds exposed to COPECs in soil are expected. *De minimis* risk to carnivorous birds (represented by the red-tailed hawk) is expected from exposure to COPECs in soil based on NOAEL-based and LOAEL-based HQs less than 1 for all COPECs.

T&E birds with large home ranges have not been observed in the BCW and AOC 4 potential exposure area. No unacceptable risk to individual potential receptors exposed to COPECs in soil at the BCW and AOC 4 potential exposure area are expected.

6.3 Potential Risk Drivers for BCW and AOC 4 Exposure Area

As presented in Table BCW+AOC4-6.2 and summarized below, no risk drivers were identified for BCW and AOC 4 based on unacceptable individual or population-level risk (i.e., NOAEL/LOAEL-based HQs greater than 1 for mammals and birds) predicted using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs, and selected TRVs) and additional LOEs supporting the conclusion of unacceptable risk.

Scenario	Potential Receptors and Risk Drivers for BCW+AOC4 Exposure Area		
	Carnivorous Mammals (Desert Kit Fox)	Herbivorous Mammals (Nelson's Desert Bighorn Sheep)	Carnivorous Birds (Red-Tailed Hawk)
Baseline	None	None	None

7 REFERENCES

Arcadis. 2008. Human Health and Ecological Risk Assessment Work Plan (RAWP), Topock Compressor Station, Needles, California. August.

Arcadis. 2009a. Revised Addendum to the Revised Human Health and Ecological Risk Assessment Work Plan (August 2008), Topock Compressor Station, Needles, California. February.

Arcadis. 2009b. Final Groundwater Human Health and Ecological Risk Assessment, Topock Compressor Station, Needles, California. November 19.

Arcadis. 2015. Final Human Health and Ecological Risk Assessment Work Plan Addendum 2. Topock Compressor Station, Needles, California. June.

CDFW. 2005. Ringtail. California Wildlife Habitat Relationships System. California Interagency Wildlife Task Group. Available at: https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=2581&inline=1.

CH2M. 2014. Final Programmatic Biological Assessment for Pacific Gas and Electric Topock Compressor Station Remedial and Investigative Actions. January

CH2M. 2015a. Basis of Design Report/Final 100% Design Submittal for the Final Groundwater Remediation. November.

CH2M. 2015b. Assessment of Potential Impacts to Four Special-Status Species for Soil Environmental Impact Report Investigation and Final Groundwater Remedy Areas, Topock Compressor Station, California. February.

CH2M. 2017. Topock Groundwater Remediation Project Pre-Construction Floristic Survey Report – Spring 2017. Prepared for PG&E. October.

DTSC. 1996. Guidance for Ecological Risk Assessment at Hazardous Waste Sites and Permitted Facilities. Part A and B. July.

DTSC. 2002. USEPA Region 9 BTAG Recommended Toxicity Reference Values for Mammals (Revision Date 11/21/2002). Human and Ecological Risk Division.

DTSC. 2009. USEPA Region 9 BTAG Recommended Toxicity Reference Values for Birds (Revision Date 02/24/09). Human and Ecological Risk Division.

DTSC. 2018. Statement of Decision and Resolution of Approval for the Pacific Gas and Electric Company, Topock Compressor Station Final Groundwater Remediation Project SCH No. 2008051003. April 24.

GANDA. 2014. Southwestern Willow Flycatcher Survey for the PG&E Topock Compressor Station. October.

GANDA. 2017. 2017 Southwestern Willow Flycatcher Presence/Absence Surveys for the PG&E Topock Compressor Station. October.

Harvey, H.T.. 2015. Topock Compressor Station Summer Roosting Bat Surveys and Potential Project Impacts. Final Report. November.

Henry M, D.W. Thomas, R. Vaudry, and M. Carrier. 2002. Foraging distances and home ranges of pregnant and lactating little brown bats. Journal of Mammalogy 83(3): 767-774.

National Park Service. 2015. Desert Kit Fox. February.

Sample, B. E., D. M. Opresko, and G. W. Suter II. 1996. Toxicological Benchmarks for Wildlife. Prepared for the U.S. Department of Energy Office of Environmental Management by Oak Ridge National Laboratory. June.

USEPA. 1998. Guidelines for Ecological Risk Assessment. EPA/630/R-95/002F. May.

USEPA. 1999. Region 6 Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities: Appendix E Toxicity Reference Values. August.

USEPA. 2008. Guidance for Developing Ecological Soil Screening Levels, Interim Final Documents. Available at: https://rais.ornl.gov/guidance/epa_eco.html.

TABLES

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-1-150	01/23/16	AOC1-1	0	0.5	0.5	0-0.5	--
AOC1-1-151	01/23/16	AOC1-1	2	3	3	0-03	--
AOC1-1-152	01/23/16	AOC1-1	5	6	6	0-06	--
AOC1-1-153	01/23/16	AOC1-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-1-154	01/23/16	AOC1-1	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-1-155	01/23/16	AOC1-1	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-1-156	01/24/16	AOC1-1	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-1-157	01/24/16	AOC1-1	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-2-158	01/23/16	AOC1-2	0	0.5	0.5	0-0.5	--
AOC1-2-159	01/23/16	AOC1-2	2	3	3	0-03	--
AOC1-2-160	01/23/16	AOC1-2	5	6	6	0-06	--
AOC1-2-161	01/23/16	AOC1-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-2-162	01/23/16	AOC1-2	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-2-163	01/23/16	AOC1-2	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-2-164	01/23/16	AOC1-2	20	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-2-165	01/23/16	AOC1-2	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-166	01/25/16	AOC1-3	0	0.5	0.5	0-0.5	--
AOC1-3-167	01/25/16	AOC1-3	2	3	3	0-03	--
AOC1-3-168	01/25/16	AOC1-3	5	6	6	0-06	--
AOC1-3-169	01/25/16	AOC1-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-3-170	01/25/16	AOC1-3	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-171	01/25/16	AOC1-3	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-172	01/25/16	AOC1-3	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-173	01/25/16	AOC1-3	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-174	01/25/16	AOC1-3	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-175	01/25/16	AOC1-3	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-176	01/25/16	AOC1-3	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-177	01/26/16	AOC1-3	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
AOC1-3-178	01/26/16	AOC1-3	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
AOC1-4-179	01/23/16	AOC1-4	0	0.5	0.5	0-0.5	--
AOC1-4-180	01/23/16	AOC1-4	2	3	3	0-03	--
AOC1-4-181	01/23/16	AOC1-4	5	6	6	0-06	--
AOC1-4-182	01/23/16	AOC1-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-4-183	01/23/16	AOC1-4	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-4-184	01/23/16	AOC1-4	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-4-185	01/23/16	AOC1-4	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-4-186	01/23/16	AOC1-4	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-5-365	01/09/17	AOC1-5	0	0.5	0.5	0-0.5	--
AOC1-5-366	01/09/17	AOC1-5	2	3	3	0-03	--
AOC1-5-367	01/09/17	AOC1-5	5	6	6	0-06	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-5-368	01/09/17	AOC1-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-5-369	01/09/17	AOC1-5	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-6-370	01/09/17	AOC1-6	0	0.5	0.5	0-0.5	--
AOC1-6-371	01/09/17	AOC1-6	2	3	3	0-03	--
AOC1-6-372	01/09/17	AOC1-6	5	6	6	0-06	--
AOC1-6-373	01/09/17	AOC1-6	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-6-374	01/09/17	AOC1-6	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC16-5-19008	02/20/17	AOC16-5	0	0.5	0.5	0-0.5	--
AOC16-5-19009	02/20/17	AOC16-5	0	0.5	0.5	0-0.5	--
AOC16-5-19010	02/20/17	AOC16-5	2	3	3	0-03	--
AOC1-7-375	01/09/17	AOC1-7	0	0.5	0.5	0-0.5	--
AOC1-7-376	01/09/17	AOC1-7	2	3	3	0-03	--
AOC1-7-377	01/09/17	AOC1-7	2	3	3	0-03	--
AOC1-7-378	01/09/17	AOC1-7	5	6	6	0-06	--
AOC1-7-379	01/09/17	AOC1-7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-7-380	01/09/17	AOC1-7	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-8-381	01/05/17	AOC1-8	0	0.5	0.5	0-0.5	--
AOC1-8-382	01/05/17	AOC1-8	2	3	3	0-03	--
AOC1-BCW10-187	02/04/16	AOC1-BCW10	0	0.5	0.5	0-0.5	--
AOC1-BCW10-188	02/04/16	AOC1-BCW10	2	3	3	0-03	--
AOC1-BCW10-189	02/04/16	AOC1-BCW10	5	6	6	0-06	--
AOC1-BCW10-190	02/04/16	AOC1-BCW10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW10-191	02/04/16	AOC1-BCW10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW1-100	09/20/08	AOC1-BCW1	0	0.5	0.5	0-0.5	--
AOC1-BCW1-101	09/20/08	AOC1-BCW1	2	3	3	0-03	--
AOC1-BCW11-192	02/04/16	AOC1-BCW11	0	0.5	0.5	0-0.5	--
AOC1-BCW11-193	02/04/16	AOC1-BCW11	2	3	3	0-03	--
AOC1-BCW11-194	02/04/16	AOC1-BCW11	5	6	6	0-06	--
AOC1-BCW11-195	02/04/16	AOC1-BCW11	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW12-196	02/04/16	AOC1-BCW12	0	0.5	0.5	0-0.5	--
AOC1-BCW12-197	02/04/16	AOC1-BCW12	2	3	3	0-03	--
AOC1-BCW12-198	02/04/16	AOC1-BCW12	5	6	6	0-06	--
AOC1-BCW12-199	02/04/16	AOC1-BCW12	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW13-200	02/04/16	AOC1-BCW13	0	0.5	0.5	0-0.5	--
AOC1-BCW13-201	02/04/16	AOC1-BCW13	2	3	3	0-03	--
AOC1-BCW13-202	02/04/16	AOC1-BCW13	5	6	6	0-06	--
AOC1-BCW13-203	02/04/16	AOC1-BCW13	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW14-204	02/04/16	AOC1-BCW14	0	0.5	0.5	0-0.5	--
AOC1-BCW14-205	02/04/16	AOC1-BCW14	2	3	3	0-03	--
AOC1-BCW14-206	02/04/16	AOC1-BCW14	5	6	6	0-06	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

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PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-BCW14-207	02/04/16	AOC1-BCW14	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW15-208	02/04/16	AOC1-BCW15	0	0.5	0.5	0-0.5	--
AOC1-BCW15-209	02/04/16	AOC1-BCW15	2	3	3	0-03	--
AOC1-BCW15-210	02/04/16	AOC1-BCW15	5	6	6	0-06	--
AOC1-BCW15-211	02/04/16	AOC1-BCW15	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW16-212	02/04/16	AOC1-BCW16	0	0.5	0.5	0-0.5	--
AOC1-BCW16-213	02/04/16	AOC1-BCW16	2	3	3	0-03	--
AOC1-BCW16-214	02/04/16	AOC1-BCW16	5	6	6	0-06	--
AOC1-BCW16-215	02/04/16	AOC1-BCW16	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW17-216	02/04/16	AOC1-BCW17	0	0.5	0.5	0-0.5	--
AOC1-BCW17-217	02/04/16	AOC1-BCW17	2	3	3	0-03	--
AOC1-BCW17-218	02/04/16	AOC1-BCW17	5	6	6	0-06	--
AOC1-BCW17-219	02/04/16	AOC1-BCW17	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW18-220	02/05/16	AOC1-BCW18	0	0.5	0.5	0-0.5	--
AOC1-BCW18-221	02/05/16	AOC1-BCW18	2	3	3	0-03	--
AOC1-BCW18-222	02/05/16	AOC1-BCW18	5	6	6	0-06	--
AOC1-BCW18-223	02/05/16	AOC1-BCW18	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW19-224	02/05/16	AOC1-BCW19	0	0.5	0.5	0-0.5	--
AOC1-BCW19-225	02/05/16	AOC1-BCW19	2	3	3	0-03	--
AOC1-BCW19-226	02/05/16	AOC1-BCW19	5	6	6	0-06	--
AOC1-BCW19-227	02/05/16	AOC1-BCW19	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW20-228	02/05/16	AOC1-BCW20	0	0.5	0.5	0-0.5	--
AOC1-BCW20-229	02/05/16	AOC1-BCW20	2	3	3	0-03	--
AOC1-BCW20-230	02/05/16	AOC1-BCW20	5	6	6	0-06	--
AOC1-BCW20-231	02/05/16	AOC1-BCW20	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW2-104	10/04/08	AOC1-BCW2	0	0.5	0.5	0-0.5	--
AOC1-BCW2-105	10/04/08	AOC1-BCW2	2	3	3	0-03	--
AOC1-BCW2-106	10/04/08	AOC1-BCW2	5	6	6	0-06	--
AOC1-BCW2-107	10/04/08	AOC1-BCW2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW21-232	02/05/16	AOC1-BCW21	0	0.5	0.5	0-0.5	--
AOC1-BCW21-233	02/05/16	AOC1-BCW21	2	3	3	0-03	--
AOC1-BCW21-234	02/05/16	AOC1-BCW21	5	6	6	0-06	--
AOC1-BCW21-235	02/05/16	AOC1-BCW21	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW22-236	02/05/16	AOC1-BCW22	0	0.5	0.5	0-0.5	--
AOC1-BCW22-237	02/05/16	AOC1-BCW22	2	3	3	0-03	--
AOC1-BCW22-238	02/05/16	AOC1-BCW22	5	6	6	0-06	--
AOC1-BCW22-239	02/05/16	AOC1-BCW22	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW23-240	02/05/16	AOC1-BCW23	0	0.5	0.5	0-0.5	--
AOC1-BCW23-241	02/05/16	AOC1-BCW23	2	3	3	0-03	--
AOC1-BCW23-242	02/05/16	AOC1-BCW23	5	6	6	0-06	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-BCW23-243	02/05/16	AOC1-BCW23	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW24-244	02/05/16	AOC1-BCW24	0	0.5	0.5	0-0.5	--
AOC1-BCW24-245	02/05/16	AOC1-BCW24	2	3	3	0-03	--
AOC1-BCW24-246	02/05/16	AOC1-BCW24	5	6	6	0-06	--
AOC1-BCW24-247	02/05/16	AOC1-BCW24	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW25-248	02/05/16	AOC1-BCW25	0	0.5	0.5	0-0.5	--
AOC1-BCW25-249	02/05/16	AOC1-BCW25	2	3	3	0-03	--
AOC1-BCW25-250	02/05/16	AOC1-BCW25	5	6	6	0-06	--
AOC1-BCW25-251	02/05/16	AOC1-BCW25	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW26-252	02/04/16	AOC1-BCW26	0	0.5	0.5	0-0.5	--
AOC1-BCW26-253	02/04/16	AOC1-BCW26	2	3	3	0-03	--
AOC1-BCW26-254	02/04/16	AOC1-BCW26	5	6	6	0-06	--
AOC1-BCW26-255	02/04/16	AOC1-BCW26	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW27-256	02/05/16	AOC1-BCW27	0	0.5	0.5	0-0.5	--
AOC1-BCW27-257	02/05/16	AOC1-BCW27	2	3	3	0-03	--
AOC1-BCW27-258	02/05/16	AOC1-BCW27	5	6	6	0-06	--
AOC1-BCW27-259	02/05/16	AOC1-BCW27	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW28-260	02/05/16	AOC1-BCW28	0	0.5	0.5	0-0.5	--
AOC1-BCW28-261	02/05/16	AOC1-BCW28	2	3	3	0-03	--
AOC1-BCW28-262	02/05/16	AOC1-BCW28	5	6	6	0-06	--
AOC1-BCW28-263	02/05/16	AOC1-BCW28	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW29-264	02/04/16	AOC1-BCW29	0	0.5	0.5	0-0.5	--
AOC1-BCW29-265	02/04/16	AOC1-BCW29	2	3	3	0-03	--
AOC1-BCW29-266	02/04/16	AOC1-BCW29	5	6	6	0-06	--
AOC1-BCW29-267	02/04/16	AOC1-BCW29	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW30-268	02/04/16	AOC1-BCW30	0	0.5	0.5	0-0.5	--
AOC1-BCW30-269	02/04/16	AOC1-BCW30	2	3	3	0-03	--
AOC1-BCW30-270	02/04/16	AOC1-BCW30	5	6	6	0-06	--
AOC1-BCW30-271	02/04/16	AOC1-BCW30	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW3-108	10/04/08	AOC1-BCW3	0	0.5	0.5	0-0.5	--
AOC1-BCW3-109	10/04/08	AOC1-BCW3	2	3	3	0-03	--
AOC1-BCW3-110	10/04/08	AOC1-BCW3	5	6	6	0-06	--
AOC1-BCW3-111	10/04/08	AOC1-BCW3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW3-112	10/04/08	AOC1-BCW3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW4-113	10/04/08	AOC1-BCW4	0	0.5	0.5	0-0.5	--
AOC1-BCW4-114	10/04/08	AOC1-BCW4	2	3	3	0-03	--
AOC1-BCW4-115	10/04/08	AOC1-BCW4	5	6	6	0-06	--
AOC1-BCW4-116	10/04/08	AOC1-BCW4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW5-117	10/04/08	AOC1-BCW5	0	0.5	0.5	0-0.5	--
AOC1-BCW5-118	10/04/08	AOC1-BCW5	2	3	3	0-03	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-BCW5-119	10/04/08	AOC1-BCW5	5	6	6	0-06	--
AOC1-BCW5-120	10/04/08	AOC1-BCW5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW5-121	10/04/08	AOC1-BCW5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW6-122	08/22/08	AOC1-BCW6	0	0.5	0.5	0-0.5	--
AOC1-BCW6-123	08/22/08	AOC1-BCW6	2	3	3	0-03	--
AOC1-BCW7-272	02/05/16	AOC1-BCW7	0	0.5	0.5	0-0.5	--
AOC1-BCW7-273	02/05/16	AOC1-BCW7	2	3	3	0-03	--
AOC1-BCW7-274	02/05/16	AOC1-BCW7	2	3	3	0-03	--
AOC1-BCW7-275	02/05/16	AOC1-BCW7	5	6	6	0-06	--
AOC1-BCW7-276	02/05/16	AOC1-BCW7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW7-277	02/05/16	AOC1-BCW7	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-BCW7-278	02/05/16	AOC1-BCW7	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-BCW7-279	02/05/16	AOC1-BCW7	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-BCW8-280	02/04/16	AOC1-BCW8	0	0.5	0.5	0-0.5	--
AOC1-BCW8-281	02/04/16	AOC1-BCW8	2	3	3	0-03	--
AOC1-BCW8-282	02/04/16	AOC1-BCW8	5	6	6	0-06	--
AOC1-BCW8-283	02/04/16	AOC1-BCW8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW8-284	02/04/16	AOC1-BCW8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-BCW9-285	02/04/16	AOC1-BCW9	0	0.5	0.5	0-0.5	--
AOC1-BCW9-286	02/04/16	AOC1-BCW9	2	3	3	0-03	--
AOC1-BCW9-287	02/04/16	AOC1-BCW9	5	6	6	0-06	--
AOC1-BCW9-288	02/04/16	AOC1-BCW9	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1a-001	10/16/08	AOC1-T1a	0	0.5	0.5	0-0.5	--
AOC1-T1a-002	10/16/08	AOC1-T1a	2	3	3	0-03	--
AOC1-T1a-003	10/16/08	AOC1-T1a	5	6	6	0-06	--
AOC1-T1a-004	10/16/08	AOC1-T1a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1b-005	10/16/08	AOC1-T1b	0	0.5	0.5	0-0.5	--
AOC1-T1b-006	10/16/08	AOC1-T1b	0	0.5	0.5	0-0.5	--
AOC1-T1b-007	10/16/08	AOC1-T1b	2	3	3	0-03	--
AOC1-T1b-008	10/16/08	AOC1-T1b	5	6	6	0-06	--
AOC1-T1b-009	10/16/08	AOC1-T1b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1c-010	10/16/08	AOC1-T1c	0	0.5	0.5	0-0.5	--
AOC1-T1c-011	10/16/08	AOC1-T1c	2	3	3	0-03	--
AOC1-T1c-012	10/16/08	AOC1-T1c	2	3	3	0-03	--
AOC1-T1c-013	10/16/08	AOC1-T1c	5	6	6	0-06	--
AOC1-T1c-014	10/16/08	AOC1-T1c	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1e-289	01/11/16	AOC1-T1e	0	1	0.5	0-0.5	--
AOC1-T1e-290	01/11/16	AOC1-T1e	2	3	3	0-03	--
AOC1-T1e-291	01/11/16	AOC1-T1e	5	6	6	0-06	--
AOC1-T1e-292	01/11/16	AOC1-T1e	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T1e-293	01/11/16	AOC1-T1e	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1e-294	01/11/16	AOC1-T1e	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T1f-295	01/12/16	AOC1-T1f	0	1	0.5	0-0.5	--
AOC1-T1f-296	01/12/16	AOC1-T1f	2	3	3	0-03	--
AOC1-T1f-297	01/12/16	AOC1-T1f	5	6	6	0-06	--
AOC1-T1f-298	01/12/16	AOC1-T1f	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1f-299	01/12/16	AOC1-T1f	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T1f-300	01/12/16	AOC1-T1f	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T1g-351	02/17/17	AOC1-T1g	0	0.5	0.5	0-0.5	--
AOC1-T1g-352	02/17/17	AOC1-T1g	0	0.5	0.5	0-0.5	--
AOC1-T1g-353	02/17/17	AOC1-T1g	2	3	3	0-03	--
AOC1-T1g-354	02/17/17	AOC1-T1g	5	6	6	0-06	--
AOC1-T1g-355	02/17/17	AOC1-T1g	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2a-015	10/05/08	AOC1-T2a	0	0.5	0.5	0-0.5	--
AOC1-T2a-016	10/16/08	AOC1-T2a	2	3	3	0-03	--
AOC1-T2a-017	10/16/08	AOC1-T2a	5	6	6	0-06	--
AOC1-T2a-018	10/16/08	AOC1-T2a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2b-019	10/16/08	AOC1-T2b	0	0.5	0.5	0-0.5	--
AOC1-T2b-020	10/16/08	AOC1-T2b	2	3	3	0-03	--
AOC1-T2b-021	10/16/08	AOC1-T2b	5	6	6	0-06	--
AOC1-T2b-022	10/16/08	AOC1-T2b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2b-023	10/16/08	AOC1-T2b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2c-024	10/08/08	AOC1-T2c	0	0.5	0.5	0-0.5	--
AOC1-T2c-025	10/08/08	AOC1-T2c	2	3	3	0-03	--
AOC1-T2c-026	10/08/08	AOC1-T2c	5	6	6	0-06	--
AOC1-T2c-027	10/08/08	AOC1-T2c	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-028	10/07/08	AOC1-T2d	0	0.5	0.5	0-0.5	--
AOC1-T2d-029	10/07/08	AOC1-T2d	2	3	3	0-03	--
AOC1-T2d-030	10/07/08	AOC1-T2d	5	6	6	0-06	--
AOC1-T2d-031	10/07/08	AOC1-T2d	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-032	10/07/08	AOC1-T2d	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-033	10/07/08	AOC1-T2d	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-034	10/07/08	AOC1-T2d	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-035	10/07/08	AOC1-T2d	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-036	10/07/08	AOC1-T2d	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-037	10/08/08	AOC1-T2d	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2d-038	10/08/08	AOC1-T2d	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2e-042	10/16/08	AOC1-T2e	0	0.5	0.5	0-0.5	--
AOC1-T2e-043	10/16/08	AOC1-T2e	2	3	3	0-03	--
AOC1-T2e-044	10/16/08	AOC1-T2e	2	3	3	0-03	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T2e-045	10/16/08	AOC1-T2e	5	6	6	0-06	--
AOC1-T2e-046	10/16/08	AOC1-T2e	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2f-301	12/17/15	AOC1-T2f	0	1	0.5	0-0.5	--
AOC1-T2f-302	12/17/15	AOC1-T2f	2	3	3	0-03	--
AOC1-T2g-320	03/03/16	AOC1-T2g	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-321	03/03/16	AOC1-T2g	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-322	03/03/16	AOC1-T2g	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-323	03/03/16	AOC1-T2g	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-324	03/03/16	AOC1-T2g	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-325	03/03/16	AOC1-T2g	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-326	03/03/16	AOC1-T2g	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-327	03/03/16	AOC1-T2g	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2g-328	03/03/16	AOC1-T2g	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2h-329	03/04/16	AOC1-T2h	0	1	0.5	0-0.5	--
AOC1-T2h-330	03/04/16	AOC1-T2h	2	3	3	0-03	--
AOC1-T2h-331	03/04/16	AOC1-T2h	5	6	6	0-06	--
AOC1-T2h-332	03/04/16	AOC1-T2h	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2h-333	03/04/16	AOC1-T2h	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2h-334	03/04/16	AOC1-T2h	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2h-335	03/04/16	AOC1-T2h	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2h-336	03/04/16	AOC1-T2h	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2i-337	03/05/16	AOC1-T2i	0	1	0.5	0-0.5	--
AOC1-T2i-338	03/05/16	AOC1-T2i	2	3	3	0-03	--
AOC1-T2i-339	03/05/16	AOC1-T2i	5	6	6	0-06	--
AOC1-T2i-340	03/05/16	AOC1-T2i	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2i-341	03/05/16	AOC1-T2i	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2i-342	03/05/16	AOC1-T2i	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2j-343	03/05/16	AOC1-T2j	0	1	0.5	0-0.5	--
AOC1-T2j-344	03/05/16	AOC1-T2j	2	3	3	0-03	--
AOC1-T2j-345	03/05/16	AOC1-T2j	2	3	3	0-03	--
AOC1-T2j-346	03/05/16	AOC1-T2j	5	6	6	0-06	--
AOC1-T2j-347	03/05/16	AOC1-T2j	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T2j-348	03/05/16	AOC1-T2j	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2j-349	03/05/16	AOC1-T2j	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T2j-350	03/05/16	AOC1-T2j	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T3a-047	10/05/08	AOC1-T3a	0	0.5	0.5	0-0.5	--
AOC1-T3a-048	10/17/08	AOC1-T3a	2	3	3	0-03	--
AOC1-T3a-049	10/17/08	AOC1-T3a	5	6	6	0-06	--
AOC1-T3a-050	10/17/08	AOC1-T3a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T3b-051	10/05/08	AOC1-T3b	0	0.5	0.5	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T3b-052	10/17/08	AOC1-T3b	2	3	3	0-03	--
AOC1-T3b-053	10/17/08	AOC1-T3b	5	6	6	0-06	--
AOC1-T3b-054	10/17/08	AOC1-T3b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T3b-055	10/17/08	AOC1-T3b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T3c-056	10/05/08	AOC1-T3c	0	0.5	0.5	0-0.5	--
AOC1-T3c-057	10/05/08	AOC1-T3c	2	3	3	0-03	--
AOC1-T3c-058	10/05/08	AOC1-T3c	5	6	6	0-06	--
AOC1-T3c-059	10/05/08	AOC1-T3c	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T4a-060	10/03/08	AOC1-T4a	0	0.5	0.5	0-0.5	--
AOC1-T4a-061	10/03/08	AOC1-T4a	2	3	3	0-03	--
AOC1-T4a-062	10/03/08	AOC1-T4a	5	6	6	0-06	--
AOC1-T4a-063	10/03/08	AOC1-T4a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T4b-064	10/02/08	AOC1-T4b	0	0.5	0.5	0-0.5	--
AOC1-T4b-065	10/02/08	AOC1-T4b	2	3	3	0-03	--
AOC1-T4b-066	10/02/08	AOC1-T4b	2	3	3	0-03	--
AOC1-T4b-067	10/02/08	AOC1-T4b	5	6	6	0-06	--
AOC1-T4b-068	10/02/08	AOC1-T4b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T4c-069	10/04/08	AOC1-T4c	0	0.5	0.5	0-0.5	--
AOC1-T4c-070	10/04/08	AOC1-T4c	2	3	3	0-03	--
AOC1-T4c-071	10/04/08	AOC1-T4c	5	6	6	0-06	--
AOC1-T4c-072	10/04/08	AOC1-T4c	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T5a-073	10/04/08	AOC1-T5a	0	0.5	0.5	0-0.5	--
AOC1-T5a-074	10/04/08	AOC1-T5a	2	3	3	0-03	--
AOC1-T5a-075	10/04/08	AOC1-T5a	5	6	6	0-06	--
AOC1-T5a-076	10/04/08	AOC1-T5a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T5a-077	10/04/08	AOC1-T5a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T5b-078	10/04/08	AOC1-T5b	0	0.5	0.5	0-0.5	--
AOC1-T5b-079	10/04/08	AOC1-T5b	2	3	3	0-03	--
AOC1-T5b-080	10/04/08	AOC1-T5b	5	6	6	0-06	--
AOC1-T5b-081	10/04/08	AOC1-T5b	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T5c-082	10/04/08	AOC1-T5c	0	0.5	0.5	0-0.5	--
AOC1-T5c-083	10/04/08	AOC1-T5c	2	3	3	0-03	--
AOC1-T5c-084	10/04/08	AOC1-T5c	5	6	6	0-06	--
AOC1-T5c-085	10/04/08	AOC1-T5c	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T5D-304	01/12/16	AOC1-T5D	0	1	0.5	0-0.5	--
AOC1-T5D-305	01/12/16	AOC1-T5D	2	3	3	0-03	--
AOC1-T5D-306	01/12/16	AOC1-T5D	2	3	3	0-03	--
AOC1-T5D-307	01/12/16	AOC1-T5D	5	6	6	0-06	--
AOC1-T5D-308	01/12/16	AOC1-T5D	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T5D-309	01/12/16	AOC1-T5D	14	15	15	NE	Excluded from ERA (> 6 ft bgs)

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC1-T5D-310	01/12/16	AOC1-T5D	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T5D-311	01/12/16	AOC1-T5D	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T6a-086	09/30/08	AOC1-T6a	0	0.5	0.5	0-0.5	--
AOC1-T6a-087	09/30/08	AOC1-T6a	2.5	3	3	0-03	--
AOC1-T6a-088	09/30/08	AOC1-T6a	2.5	3	3	0-03	--
AOC1-T6a-089	09/30/08	AOC1-T6a	5.5	6	6	0-06	--
AOC1-T6a-090	09/30/08	AOC1-T6a	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T6b-091	09/30/08	AOC1-T6b	0	0.5	0.5	0-0.5	--
AOC1-T6b-092	09/30/08	AOC1-T6b	2.5	3	3	0-03	--
AOC1-T6b-093	09/30/08	AOC1-T6b	5.5	6	6	0-06	--
AOC1-T6b-094	09/30/08	AOC1-T6b	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T6b-099	09/30/08	AOC1-T6b	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T6c-095	09/30/08	AOC1-T6c	0	0.5	0.5	0-0.5	--
AOC1-T6c-096	09/30/08	AOC1-T6c	2.5	3	3	0-03	--
AOC1-T6c-097	09/30/08	AOC1-T6c	5.5	6	6	0-06	--
AOC1-T6D-312	02/09/16	AOC1-T6D	0	0.5	0.5	0-0.5	--
AOC1-T6D-313	02/09/16	AOC1-T6D	2	3	3	0-03	--
AOC1-T6D-314	02/09/16	AOC1-T6D	5	6	6	0-06	--
AOC1-T6D-315	02/09/16	AOC1-T6D	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T6D-316	02/09/16	AOC1-T6D	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T6D-317	02/09/16	AOC1-T6D	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T6D-318	02/09/16	AOC1-T6D	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T6D-319	02/09/16	AOC1-T6D	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC1-T7-356	02/19/17	AOC1-T7	0	0.5	0.5	0-0.5	--
AOC1-T7-357	02/19/17	AOC1-T7	2	3	3	0-03	--
AOC1-T7-358	02/19/17	AOC1-T7	5	6	6	0-06	--
AOC1-T7-359	02/19/17	AOC1-T7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T8-360	02/18/17	AOC1-T8	0	0.5	0.5	0-0.5	--
AOC1-T8-361	02/18/17	AOC1-T8	2	3	3	0-03	--
AOC1-T8-362	02/18/17	AOC1-T8	5	6	6	0-06	--
AOC1-T8-363	02/18/17	AOC1-T8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC1-T8-364	02/18/17	AOC1-T8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC28d-01-34006	12/17/15	AOC28d-01	0	0.5	0.5	0-0.5	--
AOC28d-01-34007	12/17/15	AOC28d-01	2	3	3	0-03	--
AOC28d-01-34008	12/17/15	AOC28d-01	5	6	6	0-06	--
AOC4-1-3001	10/14/08	AOC4-1	0	0.5	0.5	0-0.5	--
AOC4-1-3002	10/14/08	AOC4-1	0.5	1	1	0-03	--
AOC4-1-3003	10/14/08	AOC4-1	2	3	3	0-03	--
AOC4-19-3106	11/20/15	AOC4-19	0	1	0.5	0-0.5	--
AOC4-19-3107	11/20/15	AOC4-19	2	3	3	0-03	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-20-3108	11/20/15	AOC4-20	0	1	0.5	0-0.5	--
AOC4-21-3110	11/20/15	AOC4-21	0	1	0.5	0-0.5	--
AOC4-22-3112	11/20/15	AOC4-22	0	1	0.5	0-0.5	--
AOC4-33-3182	02/14/17	AOC4-33	0	0.5	0.5	0-0.5	--
AOC4-33-3183	02/14/17	AOC4-33	2	3	3	0-03	--
AOC4-34-3184	02/14/17	AOC4-34	0	0.5	0.5	0-0.5	--
AOC4-35-3186	02/14/17	AOC4-35	0	0.5	0.5	0-0.5	--
AOC4-A01-10002	03/02/10	AOC4-A01	0	0	0	0-0.5	--
AOC4-A01minus-10004	03/02/10	AOC4-A01minus	0	0	0	0-0.5	--
AOC4-A01S-50001	04/21/10	AOC4-A01S	0	0	0	0-0.5	--
AOC4-A02-10005	02/24/10	AOC4-A02	0	0	0	0-0.5	--
AOC4-A03-10010	03/01/10	AOC4-A03	0	0	0	0-0.5	--
AOC4-A04-10014	07/27/10	AOC4-A04	0	0	0	0-0.5	--
AOC4-A05-10017	07/26/10	AOC4-A05	0	0	0	0-0.5	--
AOC4-A06_A07-70000	08/10/10	AOC4-A06_A07	0	0	0	0-0.5	--
AOC4-A06-10021	07/26/10	AOC4-A06	0	0	0	0-0.5	--
AOC4-A25-20002	03/01/10	AOC4-A03	0	0	0	0-0.5	--
AOC4-B01-10082	03/03/10	AOC4-B01	0	0	0	0-0.5	--
AOC4-B01S-50007	04/21/10	AOC4-B01S	0	0	0	0-0.5	--
AOC4-B02-10086	03/17/10	AOC4-B02	0	0	0	0-0.5	--
AOC4-B03-10089	03/03/10	AOC4-B03	0	0	0	0-0.5	--
AOC4-B04-10093	03/12/10	AOC4-B04	0	0	0	0-0.5	--
AOC4-B05-10097	07/26/10	AOC4-B05	0	0	0	0-0.5	--
AOC4-B06_B07-70001	08/10/10	AOC4-B06_B07	0	0	0	0-0.5	--
AOC4-B06-10101	07/26/10	AOC4-B06	0	0	0	0-0.5	--
AOC4-B25-20004	04/21/10	AOC4-B01S	0	0	0	0-0.5	--
AOC4-BCW1-3126	01/06/16	AOC4-BCW1	0	1	0.5	0-0.5	--
AOC4-BCW1-3127	01/06/16	AOC4-BCW1	2	3	3	0-03	--
AOC4-BCW1-3128	01/06/16	AOC4-BCW1	5	6	6	0-06	--
AOC4-BCW1-3129	01/06/16	AOC4-BCW1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC4-BCW2-3130	01/06/16	AOC4-BCW2	0	1	0.5	0-0.5	--
AOC4-BCW2-3131	01/06/16	AOC4-BCW2	2	3	3	0-03	--
AOC4-BCW2-3132	01/06/16	AOC4-BCW2	5	6	6	0-06	--
AOC4-BCW2-3133	01/06/16	AOC4-BCW2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC4-BCW2-3134	01/06/16	AOC4-BCW2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC4-BCW3-3135	01/06/16	AOC4-BCW3	0	1	0.5	0-0.5	--
AOC4-BCW3-3136	01/06/16	AOC4-BCW3	0	1	0.5	0-0.5	--
AOC4-BCW3-3137	01/06/16	AOC4-BCW3	2	3	3	0-03	--
AOC4-BCW3-3138	01/06/16	AOC4-BCW3	5	6	6	0-06	--
AOC4-BCW3-3139	01/06/16	AOC4-BCW3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-BCW4-3140	01/06/16	AOC4-BCW4	0	1	0.5	0-0.5	--
AOC4-BCW4-3141	01/06/16	AOC4-BCW4	2	3	3	0-03	--
AOC4-BCW4-3142	01/06/16	AOC4-BCW4	5	6	6	0-06	--
AOC4-BCW4-3143	01/06/16	AOC4-BCW4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC4-BCW5-3144	01/06/16	AOC4-BCW5	0	1	0.5	0-0.5	--
AOC4-BCW5-3145	01/06/16	AOC4-BCW5	0	1	0.5	0-0.5	--
AOC4-BCW5-3146	01/06/16	AOC4-BCW5	2	3	3	0-03	--
AOC4-BCW5-3147	01/06/16	AOC4-BCW5	5	6	6	0-06	--
AOC4-BCW5-3148	01/06/16	AOC4-BCW5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC4-BCW6-3149	01/06/16	AOC4-BCW6	0	1	0.5	0-0.5	--
AOC4-BCW6-3150	01/06/16	AOC4-BCW6	2	3	3	0-03	--
AOC4-BCW6-3151	01/06/16	AOC4-BCW6	5	6	6	0-06	--
AOC4-BCW6-3152	01/06/16	AOC4-BCW6	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC4-C01-10162	03/02/10	AOC4-C01	0	0	0	0-0.5	--
AOC4-C01S-50012	04/22/10	AOC4-C01S	0	0	0	0-0.5	--
AOC4-C02-10166	03/29/10	AOC4-C02	0	0	0	0-0.5	--
AOC4-C03-10169	03/18/10	AOC4-C03	0	0	0	0-0.5	--
AOC4-C04-10173	03/18/10	AOC4-C04	0	0	0	0-0.5	--
AOC4-C05-10177	07/26/10	AOC4-C05	0	0	0	0-0.5	--
AOC4-C06_C07-20002	08/10/10	AOC4-C06_C07	0	0	0	0-0.5	--
AOC4-C06_C07-70002	08/10/10	AOC4-C06_C07	0	0	0	0-0.5	--
AOC4-C06-10181	07/26/10	AOC4-C06	0	0	0	0-0.5	--
AOC4-D01-10242	03/24/10	AOC4-D01	0	0	0	0-0.5	--
AOC4-D01S-50016	04/12/10	AOC4-D01S	0	0	0	0-0.5	--
AOC4-D02-10245	03/19/10	AOC4-D02	0	0	0	0-0.5	--
AOC4-D03-10249	03/19/10	AOC4-D03	0	0	0	0-0.5	--
AOC4-D04-10253	03/19/10	AOC4-D04	0	0	0	0-0.5	--
AOC4-D05-10257	07/26/10	AOC4-D05	0	0	0	0-0.5	--
AOC4-D06_D07-70003	08/10/10	AOC4-D06_D07	0	0	0	0-0.5	--
AOC4-D06-10261	07/27/10	AOC4-D06	0	0	0	0-0.5	--
AOC4DAM-OS1-3214	02/22/17	AOC4-DAM-OS1	0	0.2	0.2	0-0.5	--
AOC4DAM-OS1-3215	02/22/17	AOC4-DAM-OS1	1	1.5	1.5	0-03	--
AOC4DAM-OS2-3217	02/22/17	AOC4-DAM-OS2	0	0.2	0.2	0-0.5	--
AOC4DAM-OS2-3218	02/22/17	AOC4-DAM-OS2	1	1.5	1.5	0-03	--
AOC4-E01S-50022	04/22/10	AOC4-E01S	0	0	0	0-0.5	--
AOC4-E02-10326	04/16/10	AOC4-E02	0	0	0	0-0.5	--
AOC4-E03-10329	03/25/10	AOC4-E03	0	0	0	0-0.5	--
AOC4-E04-10333	03/25/10	AOC4-E04	0	0	0	0-0.5	--
AOC4-E05-10337	07/27/10	AOC4-E05	0	0	0	0-0.5	--
AOC4-E06_E07-70004	08/10/10	AOC4-E06_E07	0	0	0	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

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Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-E06-10341	07/27/10	AOC4-E06	0	0	0	0-0.5	--
AOC4-E25-20337	07/27/10	AOC4-E05	0	0	0	0-0.5	--
AOC4-F01S-50027	04/22/10	AOC4-F01S	0	0	0	0-0.5	--
AOC4-F02-10405	03/31/10	AOC4-F02	0	0	0	0-0.5	--
AOC4-F03-10409	03/31/10	AOC4-F03	0	0	0	0-0.5	--
AOC4-F04-10413	03/31/10	AOC4-F04	0	0	0	0-0.5	--
AOC4-F05-10417	08/09/10	AOC4-F05	0	0	0	0-0.5	--
AOC4-G01S-50032	04/22/10	AOC4-G01S	0	0	0	0-0.5	--
AOC4-G04-10493	08/04/10	AOC4-G04	0	0	0	0-0.5	--
AOC4-G05-10497	08/05/10	AOC4-G05	0	0	0	0-0.5	--
AOC4-G06-10502	08/09/10	AOC4-G06	0	0	0	0-0.5	--
AOC4-GB10-11234	02/10/10	AOC4-GB10	0	0.5	0.5	0-0.5	--
AOC4-GB11-11235	02/10/10	AOC4-GB11	0	0.5	0.5	0-0.5	--
AOC4-GB12-11236	02/10/10	AOC4-GB12	0	0.5	0.5	0-0.5	--
AOC4-GB15-21235	02/10/10	AOC4-GB11	0	0.5	0.5	0-0.5	--
AOC4-H04-10573	07/27/10	AOC4-H04	0	0	0	0-0.5	--
AOC4-H05-10578	08/05/10	AOC4-H05	0	0	0	0-0.5	--
AOC4-I04-10654	05/19/10	AOC4-I04	0	0	0	0-0.5	--
AOC4-I05-10657	05/24/10	AOC4-I05	0	0	0	0-0.5	--
AOC4-I06_I07-70008	08/13/10	AOC4-I06_I07	0	0	0	0-0.5	--
AOC4-I06-10661	08/11/10	AOC4-I06	0	0	0	0-0.5	--
AOC4-J02-10725	05/10/10	AOC4-J02	0	0	0	0-0.5	--
AOC4-J03-10730	05/17/10	AOC4-J03	0	0	0	0-0.5	--
AOC4-J04-10733	06/15/10	AOC4-J04	0	0	0	0-0.5	--
AOC4-J05-10737	06/07/10	AOC4-J05	0	0	0	0-0.5	--
AOC4-J06_J07-70009	08/13/10	AOC4-J06_J07	0	0	0	0-0.5	--
AOC4-J06-10741	06/07/10	AOC4-J06	0	0	0	0-0.5	--
AOC4-K02-10805	05/17/10	AOC4-K02	0	0	0	0-0.5	--
AOC4-K03-10809	05/17/10	AOC4-K03	0	0	0	0-0.5	--
AOC4-K04-10813	06/16/10	AOC4-K04	0	0	0	0-0.5	--
AOC4-K05-10818	06/15/10	AOC4-K05	0	0	0	0-0.5	--
AOC4-K06-10821	06/15/10	AOC4-K06	0	0	0	0-0.5	--
AOC4-K07-10825	06/15/10	AOC4-K07	0	0	0	0-0.5	--
AOC4-K25-20805	05/17/10	AOC4-K02	0	0	0	0-0.5	--
AOC4-L04-10893	05/18/10	AOC4-L04	0	0	0	0-0.5	--
AOC4-L05-10897	06/28/10	AOC4-L05	0	0	0	0-0.5	--
AOC4-L06-10901	06/28/10	AOC4-L06	0	0	0	0-0.5	--
AOC4-L07_L08-70011	09/20/10	AOC4-L07_L08	0	0	0	0-0.5	--
AOC4-L07-10905	09/16/10	AOC4-L07	0	0	0	0-0.5	--
AOC4-L07-20905	09/16/10	AOC4-L07	0	0	0	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC4-L25-20901	06/28/10	AOC4-L06	0	0	0	0-0.5	--
AOC4-M05-10978	09/20/10	AOC4-M05	0	0	0	0-0.5	--
AOC4-M06-10822	02/07/17	AOC4-M06	2	3	3	0-03	--
AOC4-M06-10981	07/08/10	AOC4-M06	0	0	0	0-0.5	--
AOC4-M07_M08-70012	09/22/10	AOC4-M07_M08	0	0	0	0-0.5	--
AOC4-M07-10985	09/22/10	AOC4-M07	0	0	0	0-0.5	--
AOC4-M08_M09-70013	09/23/10	AOC4-M08_M09	0	0	0	0-0.5	--
AOC4-M08-10989	09/22/10	AOC4-M08	0	0	0	0-0.5	--
AOC4-M10-10997	10/01/10	AOC4-M10	0	0	0	0-0.5	--
AOC4-N05-11057	07/08/10	AOC4-N05A	0	0	0	0-0.5	--
AOC4-N06-11062	09/23/10	AOC4-N06	0	0	0	0-0.5	--
AOC4-N07-11065	09/23/10	AOC4-N07	0	0	0	0-0.5	--
AOC4-N08-11069	09/23/10	AOC4-N08	0	0	0	0-0.5	--
AOC4-O07-11145	10/01/10	AOC4-O07	0	0	0	0-0.5	--
AOC4-O08-11149	10/01/10	AOC4-O08	0	0	0	0-0.5	--
MW-10-1	06/27/97	MW-10	1	1	0.5	0-0.5	--
MW-10-10	06/27/97	MW-10	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
MW-10-20	06/27/97	MW-10	20	20	20	NE	Excluded from ERA (> 6 ft bgs)
MW-10-25	06/27/97	MW-10	25	25	25	NE	Excluded from ERA (> 6 ft bgs)
MW-10-3	06/27/97	MW-10	3	3	3	0-03	--
MW-10-30	06/27/97	MW-10	30	30	30	NE	Excluded from ERA (> 6 ft bgs)
MW-10-35	06/27/97	MW-10	35	35	35	NE	Excluded from ERA (> 6 ft bgs)
MW-10-40	06/27/97	MW-10	40	40	40	NE	Excluded from ERA (> 6 ft bgs)
MW-10-50	06/28/97	MW-10	50	50	50	NE	Excluded from ERA (> 6 ft bgs)
MW-10-6	06/27/97	MW-10	6	6	6	0-06	--
MW-10-60	06/27/97	MW-10	60	60	60	NE	Excluded from ERA (> 6 ft bgs)
MW-10-70	06/27/97	MW-10	70	70	70	NE	Excluded from ERA (> 6 ft bgs)
MW-10-75	06/27/97	MW-10	75	75	75	NE	Excluded from ERA (> 6 ft bgs)
MW-10-75CL	06/27/97	MW-10	75	75	75	NE	Excluded from ERA (> 6 ft bgs)
MW-10-82	06/27/97	MW-10	82	82	82	NE	Excluded from ERA (> 6 ft bgs)
MW-11-1	06/29/97	MW-11	1	1	0.5	0-0.5	--
MW-11-10	06/29/97	MW-11	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
MW-11-20	06/29/97	MW-11	20	20	20	NE	Excluded from ERA (> 6 ft bgs)
MW-11-3	06/29/97	MW-11	3	3	3	0-03	--
MW-11-30	06/29/97	MW-11	30	30	30	NE	Excluded from ERA (> 6 ft bgs)
MW-11-40	06/29/97	MW-11	40	40	40	NE	Excluded from ERA (> 6 ft bgs)
MW-11-50	06/29/97	MW-11	50	50	50	NE	Excluded from ERA (> 6 ft bgs)
MW-11-6	06/29/97	MW-11	6	6	6	0-06	--
MW-11-60	06/29/97	MW-11	60	60	60	NE	Excluded from ERA (> 6 ft bgs)
MW-11-60CL	06/29/97	MW-11	60	60	60	NE	Excluded from ERA (> 6 ft bgs)

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
MW-11-69	06/29/97	MW-11	69	69	69	NE	Excluded from ERA (> 6 ft bgs)
MW-13-10	07/09/97	MW-13	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
MW-13-20	07/09/97	MW-13	20	20	20	NE	Excluded from ERA (> 6 ft bgs)
MW-13-25	07/09/97	MW-13	25	25	25	NE	Excluded from ERA (> 6 ft bgs)
MW-13-30	07/09/97	MW-13	30	30	30	NE	Excluded from ERA (> 6 ft bgs)
MW-13-40	07/09/97	MW-13	40	40	40	NE	Excluded from ERA (> 6 ft bgs)
MW-13-40CL	07/09/97	MW-13	40	40	40	NE	Excluded from ERA (> 6 ft bgs)
MW-9-1	06/30/97	MW-9	1	1	0.5	0-0.5	--
MW-9-10	07/01/97	MW-9	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
MW-9-20	06/30/97	MW-9	20	20	20	NE	Excluded from ERA (> 6 ft bgs)
MW-9-3.5CL	06/30/97	MW-9	3.5	3.5	3.5	0-06	--
MW-9-30	07/01/97	MW-9	30	30	30	NE	Excluded from ERA (> 6 ft bgs)
MW-9-40	06/30/97	MW-9	40	40	40	NE	Excluded from ERA (> 6 ft bgs)
MW-9-50	07/01/97	MW-9	50	50	50	NE	Excluded from ERA (> 6 ft bgs)
MW-9-6	06/30/97	MW-9	6	6	6	0-06	--
MW-9-60	06/30/97	MW-9	60	60	60	NE	Excluded from ERA (> 6 ft bgs)
MW-9-70	06/30/97	MW-9	70	70	70	NE	Excluded from ERA (> 6 ft bgs)
MW-9-87	07/01/97	MW-9	87	87	87	NE	Excluded from ERA (> 6 ft bgs)
MW-9-87CL	07/01/97	MW-9	87	87	87	NE	Excluded from ERA (> 6 ft bgs)
Old Well-BCW-1	09/11/13	Old Well-BCW-1	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
Old Well-BCW-2	09/11/13	Old Well-BCW-2	4	5	5	0-06	--
P-2-WP	11/13/98	P-2Soil	3.5	3.5	3.5	0-06	--
PA-01-1	11/09/15	PA-01	0	1	0.5	0-0.5	--
PA-03-1	11/09/15	PA-03	0	1	0.5	0-0.5	--
PA-04-1	11/09/15	PA-04	0	1	0.5	0-0.5	--
PA-14-01	01/27/16	PA-14	0	1	0.5	0-0.5	--
PA-15-01	01/27/16	PA-15	0	1	0.5	0-0.5	--
PA-16-01	01/27/16	PA-16	0	1	0.5	0-0.5	--
PA-17-01	01/27/16	PA-17	0	1	0.5	0-0.5	--
RR-1	02/02/00	RR-1	0	0	0	0-0.5	--
SD-14-01	01/11/16	SD-14	0	1	0.5	0-0.5	--
SD-14-03	01/11/16	SD-14	2	3	3	0-03	--
SD-14-06	01/11/16	SD-14	5	6	6	0-06	--
SD-14-10	01/11/16	SD-14	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SD-15-01	01/12/16	SD-15	0	0.5	0.5	0-0.5	--
SD-15-03	01/12/16	SD-15	2	3	3	0-03	--
SD-15-06	01/12/16	SD-15	5	6	6	0-06	--
SD-15-10	01/12/16	SD-15	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SD-16-01	01/12/16	SD-16	0	0.5	0.5	0-0.5	--
SD-16-03	01/12/16	SD-16	2	3	3	0-03	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-16-06	01/12/16	SD-16	5	6	6	0-06	--
SD-16-10	01/12/16	SD-16	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SD-17-01	12/17/15	SD-17	0	0.5	0.5	0-0.5	--
SD-17-02	12/17/15	SD-17	2	3	3	0-03	--
SD-18-01	12/17/15	SD-18	0	0.5	0.5	0-0.5	--
SD-19-D1	01/13/16	SD-19	0	0.5	0.5	0-0.5	--
SD-19-D2	01/13/16	SD-19	2	3	3	0-03	--
SD-19-D3	01/13/16	SD-19	5	6	6	0-06	--
SD-19-D4	01/13/16	SD-19	8	8.5	8.5	0-10	Excluded from ERA (> 6 ft bgs)
SD-19-D7	01/13/16	SD-19	0	0.5	0.5	0-0.5	--
SD-25-01	03/10/16	SD-25	0	1	0.5	0-0.5	--
SD-26-01	03/10/16	SD-26	0	1	0.5	0-0.5	--
SD-33-OS1-1001	12/20/16	SD-OS33	1.5	2	2	0-03	--
SS-1-0.5	06/29/97	SS-1	0.5	0.5	0.5	0-0.5	--
SS-1-1.5	06/29/97	SS-1	1.5	1.5	1.5	0-03	--
SS-2-0.5	06/29/97	SS-2	0.5	0.5	0.5	0-0.5	--
SS-2-1.5	06/29/97	SS-2	1.5	1.5	1.5	0-03	--
SS-3-0	06/29/97	SS-3	0.5	0.5	0.5	0-0.5	--
SS-4-0	06/29/97	SS-4	0.5	0.5	0.5	0-0.5	--
SS-5-0	06/29/97	SS-5	0.5	0.5	0.5	0-0.5	--
SS-6-0	06/29/97	SS-6	0.5	0.5	0.5	0-0.5	--
SS-7-0	06/29/97	SS-7	0.5	0.5	0.5	0-0.5	--
SS-8-0	06/29/97	SS-8	0.5	0.5	0.5	0-0.5	--
SSB-1-1	06/25/97	SSB-1	1	1	0.5	0-0.5	--
SSB-1-10	06/25/97	SSB-1	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-1-3	06/25/97	SSB-1	3	3	3	0-03	--
SSB-1-6	06/25/97	SSB-1	6	6	6	0-06	--
SSB-2-1	06/30/97	SSB-2	1	1	0.5	0-0.5	--
SSB-2-10	06/30/97	SSB-2	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-2-3	06/30/97	SSB-2	3	3	3	0-03	--
SSB-2-6	06/30/97	SSB-2	6	6	6	0-06	--
SSB-3-1	06/30/97	SSB-3	1	1	0.5	0-0.5	--
SSB-3-10	06/30/97	SSB-3	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-3-3	06/30/97	SSB-3	3	3	3	0-03	--
SSB-3-6	06/30/97	SSB-3	6	6	6	0-06	--
SSB-4-1	06/30/97	SSB-4	1	1	0.5	0-0.5	--
SSB-4-10	06/30/97	SSB-4	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-4-3	06/30/97	SSB-4	3	3	3	0-03	--
SSB-4-6	06/30/97	SSB-4	6	6	6	0-06	--
SSB-5-1	06/30/97	SSB-5	1	1	0.5	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SSB-5-10	06/30/97	SSB-5	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-5-3	06/30/97	SSB-5	3	3	3	0-03	--
SSB-5-6	06/30/97	SSB-5	6	6	6	0-06	--
SSB-6-1	06/30/97	SSB-6	1	1	0.5	0-0.5	--
SSB-6-10	06/30/97	SSB-6	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-6-3	06/30/97	SSB-6	3	3	3	0-03	--
SSB-6-6	06/30/97	SSB-6	6	6	6	0-06	--
SSB-7-1	06/30/97	SSB-7	1	1	0.5	0-0.5	--
SSB-7-10	06/30/97	SSB-7	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-7-3	06/30/97	SSB-7	3	3	3	0-03	--
SSB-7-6	06/30/97	SSB-7	6	6	6	0-06	--
SSB-8-1	07/10/97	SSB-8	1	1	0.5	0-0.5	--
SSB-8-10	07/10/97	SSB-8	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-8-3	07/10/97	SSB-8	3	3	3	0-03	--
SSB-8-6	07/10/97	SSB-8	6	6	6	0-06	--
SSB-9-1	07/10/97	SSB-9	1	1	0.5	0-0.5	--
SSB-9-10	07/10/97	SSB-9	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SSB-9-3	07/10/97	SSB-9	3	3	3	0-03	--
SSB-9-6	07/10/97	SSB-9	6	6	6	0-06	--
SWMU1-10-1053	10/14/08	SWMU1-10	0	0.5	0.5	0-0.5	--
SWMU1-10-1054	10/14/08	SWMU1-10	2	3	3	0-03	--
SWMU1-10-1055	10/14/08	SWMU1-10	5	6	6	0-06	--
SWMU1-10-1056	10/14/08	SWMU1-10	5	6	6	0-06	--
SWMU1-10-1057	10/14/08	SWMU1-10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-1-1001	10/16/08	SWMU1-1	0	0.5	0.5	0-0.5	--
SWMU1-1-1002	10/16/08	SWMU1-1	2	3	3	0-03	--
SWMU1-1-1003	10/16/08	SWMU1-1	5	6	6	0-06	--
SWMU1-1-1004	10/16/08	SWMU1-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-11-1058	10/15/08	SWMU1-11	0	0.5	0.5	0-0.5	--
SWMU1-11-1059	10/15/08	SWMU1-11	2	3	3	0-03	--
SWMU1-11-1060	10/15/08	SWMU1-11	5	6	6	0-06	--
SWMU1-11-1061	10/15/08	SWMU1-11	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-12-1062	10/14/08	SWMU1-12	0	0.5	0.5	0-0.5	--
SWMU1-12-1063	10/14/08	SWMU1-12	2	3	3	0-03	--
SWMU1-12-1064	10/14/08	SWMU1-12	5	6	6	0-06	--
SWMU1-12-1065	10/14/08	SWMU1-12	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-13-1066	10/14/08	SWMU1-13	0	0.5	0.5	0-0.5	--
SWMU1-13-1067	10/14/08	SWMU1-13	2	3	3	0-03	--
SWMU1-13-1068	10/14/08	SWMU1-13	2	3	3	0-03	--
SWMU1-13-1069	10/14/08	SWMU1-13	5	6	6	0-06	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-13-1070	10/14/08	SWMU1-13	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-14-1071	10/14/08	SWMU1-14	0	0.5	0.5	0-0.5	--
SWMU1-14-1072	10/14/08	SWMU1-14	2	3	3	0-03	--
SWMU1-14-1073	10/14/08	SWMU1-14	5	6	6	0-06	--
SWMU1-14-1074	10/14/08	SWMU1-14	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1075	09/22/08	SWMU1-15	0	0.5	0.5	0-0.5	--
SWMU1-15-1076	09/22/08	SWMU1-15	2	3	3	0-03	--
SWMU1-15-1077	09/22/08	SWMU1-15	5	6	6	0-06	--
SWMU1-15-1078	09/22/08	SWMU1-15	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1079	09/22/08	SWMU1-15	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1080	09/22/08	SWMU1-15	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1081	09/22/08	SWMU1-15	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1082	09/22/08	SWMU1-15	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1083	09/22/08	SWMU1-15	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1084	09/22/08	SWMU1-15	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1085	09/22/08	SWMU1-15	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1086	09/22/08	SWMU1-15	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1087	09/23/08	SWMU1-15	89	90	90	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-15-1089	09/22/08	SWMU1-15	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-16-1090	09/21/08	SWMU1-16	0	0.5	0.5	0-0.5	--
SWMU1-16-1091	09/21/08	SWMU1-16	2	3	3	0-03	--
SWMU1-16-1092	09/21/08	SWMU1-16	5	6	6	0-06	--
SWMU1-17-1094	09/21/08	SWMU1-17	0	0.5	0.5	0-0.5	--
SWMU1-17-1095	09/21/08	SWMU1-17	2	3	3	0-03	--
SWMU1-17-1096	09/21/08	SWMU1-17	5	6	6	0-06	--
SWMU1-17-1097	09/21/08	SWMU1-17	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-17-1098	09/21/08	SWMU1-17	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1100	01/07/16	SWMU1-18	0	1	0.5	0-0.5	--
SWMU1-18-1101	01/07/16	SWMU1-18	2	3	3	0-03	--
SWMU1-18-1102	01/07/16	SWMU1-18	5	6	6	0-06	--
SWMU1-18-1103	01/07/16	SWMU1-18	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1104	01/07/16	SWMU1-18	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1105	01/07/16	SWMU1-18	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1106	01/07/16	SWMU1-18	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1107	01/07/16	SWMU1-18	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1108	01/07/16	SWMU1-18	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1109	01/08/16	SWMU1-18	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1110	01/08/16	SWMU1-18	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1111	01/08/16	SWMU1-18	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-18-1112	01/08/16	SWMU1-18	79	80	80	NE	Excluded from ERA (> 6 ft bgs)

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-19-1113	01/09/16	SWMU1-19	0	1	0.5	0-0.5	--
SWMU1-19-1114	01/09/16	SWMU1-19	2	3	3	0-03	--
SWMU1-19-1115	01/09/16	SWMU1-19	5	6	6	0-06	--
SWMU1-19-1116	01/09/16	SWMU1-19	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1117	01/09/16	SWMU1-19	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1118	01/09/16	SWMU1-19	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1119	01/09/16	SWMU1-19	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1120	01/09/16	SWMU1-19	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1121	01/09/16	SWMU1-19	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1122	01/09/16	SWMU1-19	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1123	01/09/16	SWMU1-19	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1124	01/10/16	SWMU1-19	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-19-1125	01/10/16	SWMU1-19	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1126	01/13/16	SWMU1-20	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1127	01/13/16	SWMU1-20	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1128	01/13/16	SWMU1-20	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1129	01/13/16	SWMU1-20	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1130	01/14/16	SWMU1-20	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1131	01/14/16	SWMU1-20	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1132	01/14/16	SWMU1-20	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1133	01/14/16	SWMU1-20	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1134	01/14/16	SWMU1-20	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1152-1	01/13/16	SWMU1-20	1	1.5	0.5	0-0.5	--
SWMU1-20-1152-10	01/13/16	SWMU1-20	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-20-1152-2	01/13/16	SWMU1-20	2	3	3	0-03	--
SWMU1-20-1152-6	01/13/16	SWMU1-20	5	6	6	0-06	--
SWMU1-2-1005	10/15/08	SWMU1-2	0	0.5	0.5	0-0.5	--
SWMU1-2-1006	10/15/08	SWMU1-2	2	3	3	0-03	--
SWMU1-2-1007	10/15/08	SWMU1-2	5	6	6	0-06	--
SWMU1-2-1008	10/15/08	SWMU1-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1135	01/26/16	SWMU1-21	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1136	01/26/16	SWMU1-21	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1137	01/27/16	SWMU1-21	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1138	01/27/16	SWMU1-21	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1139	01/27/16	SWMU1-21	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1140	01/27/16	SWMU1-21	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1141	01/27/16	SWMU1-21	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1142	01/27/16	SWMU1-21	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1143	01/27/16	SWMU1-21	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-21-1153	01/26/16	SWMU1-21	0	1	0.5	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-21-1154	01/26/16	SWMU1-21	2	3	3	0-03	--
SWMU1-21-1155	01/26/16	SWMU1-21	5	6	6	0-06	--
SWMU1-21-1156	01/26/16	SWMU1-21	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-22-1144	12/17/15	SWMU1-22	0	1	0.5	0-0.5	--
SWMU1-23-1146	12/17/15	SWMU1-23	0	1	0.5	0-0.5	--
SWMU1-24-1147	12/17/15	SWMU1-24	0	1	0.5	0-0.5	--
SWMU1-25-1148	01/26/16	SWMU1-25	0	1	0.5	0-0.5	--
SWMU1-25-1149	01/26/16	SWMU1-25	2	3	3	0-03	--
SWMU1-25-1150	01/26/16	SWMU1-25	5	6	6	0-06	--
SWMU1-25-1151	01/26/16	SWMU1-25	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-26-1157	01/08/17	SWMU1-26	0	0.5	0.5	0-0.5	--
SWMU1-26-1158	01/08/17	SWMU1-26	0	0.5	0.5	0-0.5	--
SWMU1-26-1159	01/08/17	SWMU1-26	2	3	3	0-03	--
SWMU1-26-1160	01/08/17	SWMU1-26	5	6	6	0-06	--
SWMU1-26-1161	01/08/17	SWMU1-26	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-26-1162	01/08/17	SWMU1-26	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-26-1163	01/08/17	SWMU1-26	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-27-1165	01/07/17	SWMU1-27	0	0.5	0.5	0-0.5	--
SWMU1-27-1166	01/07/17	SWMU1-27	2	3	3	0-03	--
SWMU1-27-1167	01/07/17	SWMU1-27	5	6	6	0-06	--
SWMU1-27-1168	01/07/17	SWMU1-27	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-27-1169	01/07/17	SWMU1-27	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-27-1170	01/07/17	SWMU1-27	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-28-1172	02/14/17	SWMU1-28	0	0.5	0.5	0-0.5	--
SWMU1-28-1173	02/14/17	SWMU1-28	0	0.5	0.5	0-0.5	--
SWMU1-28-1174	02/14/17	SWMU1-28	2	3	3	0-03	--
SWMU1-29-1175	02/16/17	SWMU1-29	0	0.5	0.5	0-0.5	--
SWMU1-29-1176	02/16/17	SWMU1-29	2	3	3	0-03	--
SWMU1-29-1177	02/16/17	SWMU1-29	5	6	6	0-06	--
SWMU1-29-1178	02/16/17	SWMU1-29	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1009	10/06/08	SWMU1-3	0	0.5	0.5	0-0.5	--
SWMU1-3-1010	10/06/08	SWMU1-3	2	3	3	0-03	--
SWMU1-3-1011	10/06/08	SWMU1-3	2	3	3	0-03	--
SWMU1-3-1012	10/06/08	SWMU1-3	5	6	6	0-06	--
SWMU1-3-1013	10/06/08	SWMU1-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1014	10/06/08	SWMU1-3	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1015	10/06/08	SWMU1-3	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1016	10/06/08	SWMU1-3	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1017	10/06/08	SWMU1-3	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1018	10/06/08	SWMU1-3	59	60	60	NE	Excluded from ERA (> 6 ft bgs)

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-3-1019	10/07/08	SWMU1-3	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1020	10/07/08	SWMU1-3	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-3-1022	10/07/08	SWMU1-3	79	80	80	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-4-1025	10/15/08	SWMU1-4	0	0.5	0.5	0-0.5	--
SWMU1-4-1026	10/15/08	SWMU1-4	2	3	3	0-03	--
SWMU1-4-1027	10/15/08	SWMU1-4	5	6	6	0-06	--
SWMU1-4-1028	10/15/08	SWMU1-4	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-4-1029	10/15/08	SWMU1-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-4-1030	10/15/08	SWMU1-4	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-5-1031	10/15/08	SWMU1-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-5-1032	10/15/08	SWMU1-5	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-5-1033	10/15/08	SWMU1-5	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-5-1034	10/15/08	SWMU1-5	15	16	16	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-5-1035	10/15/08	SWMU1-5	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-6-1036	10/15/08	SWMU1-6	0	0.5	0.5	0-0.5	--
SWMU1-6-1037	10/15/08	SWMU1-6	2	3	3	0-03	--
SWMU1-6-1038	10/15/08	SWMU1-6	5	6	6	0-06	--
SWMU1-6-1039	10/15/08	SWMU1-6	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-7-1040	10/15/08	SWMU1-7	0	0.5	0.5	0-0.5	--
SWMU1-7-1041	10/15/08	SWMU1-7	2	3	3	0-03	--
SWMU1-7-1042	10/15/08	SWMU1-7	5	6	6	0-06	--
SWMU1-7-1043	10/15/08	SWMU1-7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-7-1044	10/15/08	SWMU1-7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-8-1045	10/15/08	SWMU1-8	0	0.5	0.5	0-0.5	--
SWMU1-8-1046	10/15/08	SWMU1-8	2	3	3	0-03	--
SWMU1-8-1047	10/15/08	SWMU1-8	5	6	6	0-06	--
SWMU1-8-1048	10/15/08	SWMU1-8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-9-1049	10/14/08	SWMU1-9	0	0.5	0.5	0-0.5	--
SWMU1-9-1050	10/14/08	SWMU1-9	2	3	3	0-03	--
SWMU1-9-1051	10/14/08	SWMU1-9	5	6	6	0-06	--
SWMU1-9-1052	10/14/08	SWMU1-9	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP10-2068	10/05/08	SWMU1-WP-10	0	0.5	0.5	0-0.5	--
SWMU1-WP10-2069	10/05/08	SWMU1-WP-10	2	3	3	0-03	--
SWMU1-WP10-2070	10/05/08	SWMU1-WP-10	5	6	6	0-06	--
SWMU1-WP10-2073	10/05/08	SWMU1-WP-10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-1h-2001	10/07/08	SWMU1-WP-1h	0	0.5	0.5	0-0.5	--
SWMU1-WP-1h-2002	10/07/08	SWMU1-WP-1h	2	3	3	0-03	--
SWMU1-WP-1h-2003	10/07/08	SWMU1-WP-1h	5	6	6	0-06	--
SWMU1-WP-1h-2005	10/07/08	SWMU1-WP-1h	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-3a-2006	10/14/08	SWMU1-WP-3a	0	0.5	0.5	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-WP-3a-2007	10/14/08	SWMU1-WP-3a	2	3	3	0-03	--
SWMU1-WP-3a-2008	10/14/08	SWMU1-WP-3a	5	6	6	0-06	--
SWMU1-WP-3a-2009	10/14/08	SWMU1-WP-3a	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-3a-2010	10/14/08	SWMU1-WP-3a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-3a-2011	10/14/08	SWMU1-WP-3a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-3a-2012	10/14/08	SWMU1-WP-3a	11	12	12	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-3a-2013	10/14/08	SWMU1-WP-3a	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-3h-2014	10/07/08	SWMU1-WP-3h	0	0.5	0.5	0-0.5	--
SWMU1-WP-3h-2015	10/07/08	SWMU1-WP-3h	2	3	3	0-03	--
SWMU1-WP-3h-2016	10/07/08	SWMU1-WP-3h	5	6	6	0-06	--
SWMU1-WP-5a-2019	10/05/08	SWMU1-WP-5a	0	0.5	0.5	0-0.5	--
SWMU1-WP-5a-2020	10/05/08	SWMU1-WP-5a	2	3	3	0-03	--
SWMU1-WP-5a-2021	10/05/08	SWMU1-WP-5a	5	6	6	0-06	--
SWMU1-WP-5a-2022	10/05/08	SWMU1-WP-5a	5	6	6	0-06	--
SWMU1-WP-5a-2023	10/05/08	SWMU1-WP-5a	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-5a-2024	10/05/08	SWMU1-WP-5a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-5a-2025	10/05/08	SWMU1-WP-5a	11	12	12	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-5a-2026	10/05/08	SWMU1-WP-5a	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-5h-2027	10/07/08	SWMU1-WP-5h	0	0.5	0.5	0-0.5	--
SWMU1-WP-5h-2028	10/07/08	SWMU1-WP-5h	2	3	3	0-03	--
SWMU1-WP-5h-2029	10/07/08	SWMU1-WP-5h	5	5	5	0-06	--
SWMU1-WP-6a-2032	10/05/08	SWMU1-WP-6a	0	0.5	0.5	0-0.5	--
SWMU1-WP-6a-2033	10/05/08	SWMU1-WP-6a	2	3	3	0-03	--
SWMU1-WP-6a-2034	10/05/08	SWMU1-WP-6a	2	3	3	0-03	--
SWMU1-WP-6a-2035	10/05/08	SWMU1-WP-6a	5	6	6	0-06	--
SWMU1-WP-6a-2036	10/05/08	SWMU1-WP-6a	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-6a-2037	10/05/08	SWMU1-WP-6a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-6a-2038	10/05/08	SWMU1-WP-6a	11	12	12	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-6a-2039	10/05/08	SWMU1-WP-6a	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-6h-2040	10/06/08	SWMU1-WP-6h	0	0.5	0.5	0-0.5	--
SWMU1-WP-6h-2041	10/06/08	SWMU1-WP-6h	2	3	3	0-03	--
SWMU1-WP-6h-2042	10/06/08	SWMU1-WP-6h	5	6	6	0-06	--
SWMU1-WP-6h-2043	10/06/08	SWMU1-WP-6h	5	6	6	0-06	--
SWMU1-WP-6h-2045	10/06/08	SWMU1-WP-6h	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP7-2046	10/06/08	SWMU1-WP-7	0	0.5	0.5	0-0.5	--
SWMU1-WP7-2047	10/06/08	SWMU1-WP-7	2	3	3	0-03	--
SWMU1-WP7-2048	10/06/08	SWMU1-WP-7	5	6	6	0-06	--
SWMU1-WP7-2050	10/06/08	SWMU1-WP-7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP8-2053	10/06/08	SWMU1-WP-8	0	0.5	0.5	0-0.5	--
SWMU1-WP8-2054	10/06/08	SWMU1-WP-8	2	3	3	0-03	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SWMU1-WP8-2055	10/06/08	SWMU1-WP-8	5	6	6	0-06	--
SWMU1-WP8-2057	10/06/08	SWMU1-WP-8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP9-2060	09/21/08	SWMU1-WP-9	0	0.5	0.5	0-0.5	--
SWMU1-WP9-2061	09/21/08	SWMU1-WP-9	2	3	3	0-03	--
SWMU1-WP9-2062	09/21/08	SWMU1-WP-9	2	3	3	0-03	--
SWMU1-WP9-2063	09/21/08	SWMU1-WP-9	5	6	6	0-06	--
SWMU1-WP9-2064	09/21/08	SWMU1-WP-9	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP9-2065	09/21/08	SWMU1-WP-9	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP9-2066	09/21/08	SWMU1-WP-9	11	12	12	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP9-2067	09/21/08	SWMU1-WP-9	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-T3a-2076	10/05/08	SWMU1-WP-T3a	0	0.5	0.5	0-0.5	--
SWMU1-WP-T3a-2077	10/05/08	SWMU1-WP-T3a	2	3	3	0-03	--
SWMU1-WP-T3a-2078	10/05/08	SWMU1-WP-T3a	5	6	6	0-06	--
SWMU1-WP-T3a-2079	10/05/08	SWMU1-WP-T3a	5	6	6	0-06	--
SWMU1-WP-T3a-2080	10/05/08	SWMU1-WP-T3a	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-T3a-2081	10/05/08	SWMU1-WP-T3a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-T3a-2082	10/05/08	SWMU1-WP-T3a	11	12	12	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-T3a-2083	10/05/08	SWMU1-WP-T3a	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
SWMU1-WP-T3a-2084	10/05/08	SWMU1-WP-T3a	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
T-3-B	11/13/98	T-3-B	0	0	0	0-0.5	--
TCS-4-01	03/25/14	TCS-4	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
TCS-4-02	03/25/14	TCS-4	113	113	113	NE	Excluded from ERA (> 6 ft bgs)
TCS4-E-05	03/01/16	TCS4-E	4	5	5	0-06	--
TCS4-E-05D	03/01/16	TCS4-E	4	5	5	0-06	--
TCS4-E-06	03/01/16	TCS4-E	5	6	6	0-06	--
TCS4-N-05	03/01/16	TCS4-N	4	5	5	0-06	--
TCS4-N-06	03/01/16	TCS4-N	5	6	6	0-06	--
TCS4-S-05	03/01/16	TCS4-S	4	5	5	0-06	--
TCS4-S-06	03/01/16	TCS4-S	5	6	6	0-06	--
WP-1	06/30/97	WP-1	0	0	0	0-0.5	--
WP-2A	09/18/97	WP-2	0	0	0	0-0.5	--
WP-3-.5A	09/18/97	WP-3	0.5	0.5	0.5	0-0.5	--
WP-3-2A	09/18/97	WP-3	2	2	2	0-03	--
WP-4A	09/18/97	WP-4	0	0	0	0-0.5	--
WP-5-0A	09/18/97	WP-5	0	0	0	0-0.5	--
WP-5-1A	09/18/97	WP-5	1	1	1	0-03	--
WP-5-2A	09/18/97	WP-5	2	2	2	0-03	--
WP-5-3A	09/18/97	WP-5	3	3	3	0-03	--
WP-5-4A	09/18/97	WP-5	4	4	4	0-06	--
WP-6-0A	09/18/97	WP-6	0	0	0	0-0.5	--

Table BCW+AOC4-1.1
Samples and Sampling Locations in the BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
WP-6-1A	09/18/97	WP-6	1	1	1	0-03	--
WP-6-2A	09/18/97	WP-6	2	2	2	0-03	--
WP-Bank1	11/23/98	WP-BANK 1	0	0	0	0-0.5	--
WP-Bank2	11/23/98	WP-BANK 2	0	0	0	0-0.5	--
XMW-9-10	06/25/97	XMW-9	10	10	10	0-10	Excluded from ERA (> 6 ft bgs)
XMW-9-3	06/25/97	XMW-9	3	3	3	0-03	--
XMW-9-30	06/25/97	XMW-9	30	30	30	NE	Excluded from ERA (> 6 ft bgs)
XMW-9-50	06/25/97	XMW-9	50	50	50	NE	Excluded from ERA (> 6 ft bgs)
XMW-9-70	06/25/97	XMW-9	70	70	70	NE	Excluded from ERA (> 6 ft bgs)

Abbreviations:
AOC = area of concern
ft bgs = feet below ground surface
HHERA = human health and ecological risk assessment
NE = not evaluated in the HHERA

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Inorganics					
Aluminum	38 / 38	5,700 - 14,000	mg/kg	No	Within Background
Antimony	4 / 222	2.1 - 18	mg/kg	Yes	Above Background
Arsenic	151 / 222	1.1 - 14	mg/kg	No	Within Background
Barium	222 / 222	37 - 1,300	mg/kg	Yes	Above Background
Beryllium	0 / 222	ND	mg/kg	No	Not Detected
Cadmium	12 / 222	1.1 - 1.7	mg/kg	No	Within Background
Calcium [b]	43 / 43	9,100 - 280,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chromium, Hexavalent	74 / 248	0.060 - 48	mg/kg	Yes	Above Background
Chromium, total	246 / 246	8.2 - 2,600	mg/kg	Yes	Above Background
Cobalt	221 / 221	3.7 - 20	mg/kg	Yes	Above Background
Copper	246 / 246	3.0 - 790	mg/kg	Yes	Above Background
Cyanide	0 / 36	ND	mg/kg	No	Not Detected
Iron	43 / 43	4,760 - 29,000	mg/kg	No	Within Background
Lead	220 / 222	1.1 - 220	mg/kg	Yes	Above Background
Magnesium [b]	43 / 43	4,700 - 14,300	mg/kg	No	Within Background
Manganese [b]	43 / 43	67 - 420	mg/kg	No	Within Background
Mercury (inorganic)	10 / 221	0.10 - 0.74	mg/kg	Yes	Above Background
Molybdenum	16 / 222	1.0 - 20	mg/kg	No	Within Background
Nickel	246 / 246	3.6 - 75	mg/kg	Yes	Above Background
Nitrate	2 / 2	8.0 - 54	mg/kg	Yes	Detected
Phosphate	2 / 2	161 - 358	mg/kg	Yes	Detected
Potassium [b]	43 / 43	1,040 - 4,900	mg/kg	No	Within Background
Selenium	0 / 222	ND	mg/kg	No	Not Detected
Silver	0 / 222	ND	mg/kg	No	Not Detected
Sodium [b]	32 / 43	140 - 2,700	mg/kg	No	Within Background
Thallium	1 / 222	2.4	mg/kg	Yes	Above Background
Vanadium	222 / 222	18 - 100	mg/kg	Yes	Above Background
Zinc	246 / 246	12 - 673	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 6	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
1,1,1-Trichloroethane	0 / 6	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 6	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 6	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 6	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 6	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 6	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 6	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 6	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 6	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 68	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 6	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 6	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 6	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 68	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 6	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 6	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 6	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 68	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 6	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 68	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 35	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 6	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 68	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 68	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 6	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 6	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 6	ND	ug/kg	No	Not Detected
Acetone	0 / 6	ND	ug/kg	No	Not Detected
Acrolein	0 / 6	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 6	ND	ug/kg	No	Not Detected
Benzene	0 / 6	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
bis (2-chloroethyl) ether	0 / 68	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 68	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 6	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 6	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 6	ND	ug/kg	No	Not Detected
Bromoform	0 / 6	ND	ug/kg	No	Not Detected
Bromomethane	0 / 6	ND	ug/kg	No	Not Detected
Carbon disulfide	0 / 6	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 6	ND	ug/kg	No	Not Detected
Chloro methane	0 / 6	ND	ug/kg	No	Not Detected
Chlorobenzene	0 / 6	ND	ug/kg	No	Not Detected
Chloroethane	0 / 6	ND	ug/kg	No	Not Detected
Chloroform	0 / 6	ND	ug/kg	No	Not Detected
cis-1,2-Dichloroethene	0 / 6	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 6	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 6	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 6	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 6	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 6	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 6	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 68	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 35	ND	ug/kg	No	Not Detected
Isophorone	0 / 68	ND	ug/kg	No	Not Detected
Isopropylbenzene	0 / 6	ND	ug/kg	No	Not Detected
Methyl acetate	0 / 6	ND	ug/kg	No	Not Detected
Methyl ethyl ketone	0 / 6	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 6	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 6	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 6	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 6	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 6	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Nitrobenzene	0 / 68	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 6	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 6	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 6	ND	ug/kg	No	Not Detected
Styrene	0 / 6	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 6	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 6	ND	ug/kg	No	Not Detected
Toluene	0 / 6	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 6	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 6	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 6	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 6	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 6	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 6	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 35	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 35	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 35	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 68	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 68	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 68	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 68	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 68	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 68	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 68	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 68	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 68	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 68	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 68	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 68	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 68	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4,6-Dinitro-2-methylphenol	0 / 68	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 68	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 68	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 68	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 68	ND	ug/kg	No	Not Detected
4-Methylphenol	0 / 68	ND	ug/kg	No	Not Detected
4-Nitroaniline	0 / 68	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 68	ND	ug/kg	No	Not Detected
Acetophenone	0 / 35	ND	ug/kg	No	Not Detected
Atrazine	0 / 35	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 35	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 68	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 68	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 68	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	1 / 68	2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 68	ND	ug/kg	No	Not Detected
Caprolactam	0 / 35	ND	ug/kg	No	Not Detected
Carbazole	0 / 35	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 68	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 68	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 68	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 68	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 68	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 68	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 68	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 68	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 68	ND	ug/kg	No	Not Detected
Phenol	0 / 68	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	195 / 195	0 - 10,200	ug/kg	Yes	Above Background
PAH Low molecular weight	195 / 195	0 - 1,340	ug/kg	Yes	Above Background

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Pesticides					
4,4-DDD	0 / 49	ND	ug/kg	No	Not Detected
4,4-DDE	0 / 49	ND	ug/kg	No	Not Detected
4,4-DDT	0 / 49	ND	ug/kg	No	Not Detected
Aldrin	0 / 49	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 49	ND	ug/kg	No	Not Detected
alpha-Chlordane	0 / 49	ND	ug/kg	No	Not Detected
beta-BHC	0 / 49	ND	ug/kg	No	Not Detected
delta-BHC	0 / 49	ND	ug/kg	No	Not Detected
Dieldrin	0 / 49	ND	ug/kg	No	Not Detected
Endo sulfan I	0 / 49	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 49	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 49	ND	ug/kg	No	Not Detected
Endrin	0 / 49	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 49	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 35	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 49	ND	ug/kg	No	Not Detected
gamma-Chlordane	0 / 49	ND	ug/kg	No	Not Detected
Heptachlor	0 / 49	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 49	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 49	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 156	ND	ug/kg	No	Not Detected
Toxaphene	0 / 49	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [c]	101 / 183	18 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	10 / 71	10 - 29	mg/kg	Yes	Detected
TPH as motor oil	38 / 71	11 - 168	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	25 / 161	0.11 - 67	ng/kg	Yes	Above Background
TEQ Avian [d]	160 / 161	0.025 - 11,000	ng/kg	Yes	Above Background

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
TEQ Mammals [d]	160 / 161	0.021 - 12,000	ng/kg	Yes	Above Background

Table BCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to ecological risk assessment (ERA).

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the ERA. Ecological toxicity values are available for manganese, thus this chemical is evaluated in the ERA, if above background levels.

[c] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[d] Dioxins are evaluated in toxic equivalents.

Abbreviations:

mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Inorganics					
Aluminum	41 / 41	5,700 - 14,000	mg/kg	No	Within Background
Antimony	6 / 342	2.1 - 18	mg/kg	Yes	Above Background
Arsenic	258 / 342	1.1 - 14	mg/kg	No	Within Background
Barium	342 / 342	32 - 1,900	mg/kg	Yes	Above Background
Beryllium	0 / 342	ND	mg/kg	No	Not Detected
Cadmium	20 / 342	1.0 - 1.7	mg/kg	No	Within Background
Calcium [b]	46 / 46	9,100 - 280,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chromium, Hexavalent	124 / 387	0.060 - 48	mg/kg	Yes	Above Background
Chromium, total	386 / 386	7.6 - 2,600	mg/kg	Yes	Above Background
Cobalt	341 / 341	3.7 - 20	mg/kg	Yes	Above Background
Copper	386 / 386	3.0 - 790	mg/kg	Yes	Above Background
Cyanide	0 / 39	ND	mg/kg	No	Not Detected
Iron	46 / 46	4,760 - 29,000	mg/kg	No	Within Background
Lead	338 / 342	1.1 - 220	mg/kg	Yes	Above Background
Magnesium [b]	46 / 46	4,700 - 14,300	mg/kg	No	Within Background
Manganese [b]	46 / 46	67 - 720	mg/kg	No	Within Background
Mercury (inorganic)	12 / 341	0.10 - 0.74	mg/kg	Yes	Above Background
Molybdenum	35 / 342	1.0 - 20	mg/kg	No	Within Background
Nickel	386 / 386	3.6 - 75	mg/kg	Yes	Above Background
Nitrate	2 / 2	8.0 - 54	mg/kg	Yes	Detected
Phosphate	2 / 2	161 - 358	mg/kg	Yes	Detected
Potassium [b]	46 / 46	1,040 - 4,900	mg/kg	No	Within Background
Selenium	2 / 342	1.1 - 2.5	mg/kg	No	Within Background
Silver	0 / 342	ND	mg/kg	No	Not Detected
Sodium [b]	35 / 46	140 - 2,700	mg/kg	No	Within Background
Thallium	1 / 342	2.4	mg/kg	Yes	Above Background
Vanadium	342 / 342	18 - 100	mg/kg	Yes	Above Background
Zinc	386 / 386	12 - 673	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 61	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
1,1,1-Trichloroethane	0 / 61	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 61	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 61	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 61	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 61	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 61	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 61	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 61	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 61	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 124	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 61	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 61	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 61	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 124	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 61	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 61	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 61	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 124	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 61	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 124	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 35	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 61	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 124	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 124	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 61	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 35	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 61	ND	ug/kg	No	Not Detected
Acetone	0 / 56	ND	ug/kg	No	Not Detected
Acrolein	0 / 61	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 61	ND	ug/kg	No	Not Detected
Benzene	0 / 61	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
bis (2-chloroethyl) ether	0 / 124	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 124	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 61	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 61	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 61	ND	ug/kg	No	Not Detected
Bromoform	0 / 61	ND	ug/kg	No	Not Detected
Bromomethane	0 / 61	ND	ug/kg	No	Not Detected
Carbon disulfide	0 / 61	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 61	ND	ug/kg	No	Not Detected
Chloro methane	0 / 61	ND	ug/kg	No	Not Detected
Chlorobenzene	0 / 61	ND	ug/kg	No	Not Detected
Chloroethane	0 / 61	ND	ug/kg	No	Not Detected
Chloroform	0 / 61	ND	ug/kg	No	Not Detected
cis-1,2-Dichloroethene	0 / 61	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 61	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 61	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 61	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 61	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 61	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 124	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 35	ND	ug/kg	No	Not Detected
Isophorone	0 / 124	ND	ug/kg	No	Not Detected
Isopropylbenzene	0 / 61	ND	ug/kg	No	Not Detected
Methyl acetate	2 / 35	6.6 - 12	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 61	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 61	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 61	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 61	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 61	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Nitrobenzene	0 / 124	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 61	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 61	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 61	ND	ug/kg	No	Not Detected
Styrene	0 / 61	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 61	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 61	ND	ug/kg	No	Not Detected
Toluene	0 / 61	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 61	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 61	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 61	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 61	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 61	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 61	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 35	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 35	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 35	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 124	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 124	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 124	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 124	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 124	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 124	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 124	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 124	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 124	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 124	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 124	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 124	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 124	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4,6-Dinitro-2-methylphenol	0 / 124	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 124	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 124	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 124	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 124	ND	ug/kg	No	Not Detected
4-Methylphenol	0 / 124	ND	ug/kg	No	Not Detected
4-Nitroaniline	0 / 124	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 124	ND	ug/kg	No	Not Detected
Acetophenone	0 / 35	ND	ug/kg	No	Not Detected
Atrazine	0 / 35	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 35	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 124	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 124	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 124	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	2 / 124	810 - 2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 124	ND	ug/kg	No	Not Detected
Caprolactam	0 / 35	ND	ug/kg	No	Not Detected
Carbazole	0 / 35	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 124	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 124	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 124	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 124	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 124	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 124	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 124	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 124	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 124	ND	ug/kg	No	Not Detected
Phenol	0 / 124	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	284 / 284	0 - 10,200	ug/kg	Yes	Above Background
PAH Low molecular weight	284 / 284	0 - 1,340	ug/kg	Yes	Above Background

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Pesticides					
4,4-DDD	0 / 63	ND	ug/kg	No	Not Detected
4,4-DDE	0 / 63	ND	ug/kg	No	Not Detected
4,4-DDT	0 / 63	ND	ug/kg	No	Not Detected
Aldrin	0 / 63	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 63	ND	ug/kg	No	Not Detected
alpha-Chlordane	0 / 63	ND	ug/kg	No	Not Detected
beta-BHC	0 / 63	ND	ug/kg	No	Not Detected
delta-BHC	0 / 63	ND	ug/kg	No	Not Detected
Dieldrin	0 / 63	ND	ug/kg	No	Not Detected
Endo sulfan I	0 / 63	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 63	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 63	ND	ug/kg	No	Not Detected
Endrin	0 / 63	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 63	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 35	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 63	ND	ug/kg	No	Not Detected
gamma-Chlordane	0 / 63	ND	ug/kg	No	Not Detected
Heptachlor	0 / 63	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 63	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 63	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 212	ND	ug/kg	No	Not Detected
Toxaphene	0 / 63	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [c]	110 / 240	18 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	14 / 133	10 - 29	mg/kg	Yes	Detected
TPH as gasoline	0 / 62	ND	mg/kg	No	Not Detected
TPH as motor oil	68 / 133	10 - 276	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	31 / 223	0.11 - 67	ng/kg	Yes	Above Background

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
TEQ Avian [d]	221 / 223	0.025 - 11,000	ng/kg	Yes	Above Background
TEQ Mammals [d]	221 / 223	0.021 - 12,000	ng/kg	Yes	Above Background

Table BCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to ecological risk assessment (ERA).

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the ERA. Ecological toxicity values are available for manganese, thus this chemical is evaluated in the ERA, if above background levels.

[c] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[d] Dioxins are evaluated in toxic equivalents.

Abbreviations:

mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Inorganics					
Aluminum	44 / 44	5,700 - 14,000	mg/kg	No	Within Background
Antimony	11 / 456	2.1 - 18	mg/kg	Yes	Above Background
Arsenic	357 / 456	1.1 - 19	mg/kg	No	Within Background
Barium	456 / 456	22 - 1,900	mg/kg	Yes	Above Background
Beryllium	0 / 456	ND	mg/kg	No	Not Detected
Cadmium	25 / 456	1.0 - 1.7	mg/kg	No	Within Background
Calcium [b]	50 / 50	6,000 - 280,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chromium, Hexavalent	160 / 516	0.060 - 73	mg/kg	Yes	Above Background
Chromium, total	515 / 515	7.6 - 4,400	mg/kg	Yes	Above Background
Cobalt	455 / 455	3.3 - 20	mg/kg	Yes	Above Background
Copper	515 / 515	3.0 - 790	mg/kg	Yes	Above Background
Cyanide	0 / 42	ND	mg/kg	No	Not Detected
Iron	50 / 50	4,760 - 29,000	mg/kg	No	Within Background
Lead	447 / 456	1.0 - 220	mg/kg	Yes	Above Background
Magnesium [b]	50 / 50	4,500 - 14,700	mg/kg	No	Within Background
Manganese [b]	50 / 50	67 - 720	mg/kg	No	Within Background
Mercury (inorganic)	16 / 455	0.10 - 0.74	mg/kg	Yes	Above Background
Molybdenum	60 / 456	1.0 - 20	mg/kg	No	Within Background
Nickel	515 / 515	3.6 - 75	mg/kg	Yes	Above Background
Nitrate	3 / 3	6.0 - 54	mg/kg	Yes	Detected
Phosphate	3 / 3	8.8 - 358	mg/kg	Yes	Detected
Potassium [b]	50 / 50	1,040 - 4,900	mg/kg	No	Within Background
Selenium	4 / 456	1.1 - 2.5	mg/kg	No	Within Background
Silver	0 / 456	ND	mg/kg	No	Not Detected
Sodium [b]	39 / 50	140 - 2,700	mg/kg	No	Within Background
Thallium	2 / 456	2.3 - 2.4	mg/kg	Yes	Above Background
Vanadium	456 / 456	15 - 100	mg/kg	Yes	Above Background
Zinc	515 / 515	6.4 - 673	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 113	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
1,1,1-Trichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 113	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 176	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 176	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 113	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 176	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 176	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 35	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 176	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 176	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 113	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 35	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 113	ND	ug/kg	No	Not Detected
Acetone	0 / 100	ND	ug/kg	No	Not Detected
Acrolein	0 / 113	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 113	ND	ug/kg	No	Not Detected
Benzene	0 / 113	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
bis (2-chloroethyl) ether	0 / 176	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 176	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 113	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 113	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 113	ND	ug/kg	No	Not Detected
Bromoform	0 / 113	ND	ug/kg	No	Not Detected
Bromomethane	0 / 113	ND	ug/kg	No	Not Detected
Carbon disulfide	0 / 113	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 113	ND	ug/kg	No	Not Detected
Chloro methane	0 / 113	ND	ug/kg	No	Not Detected
Chlorobenzene	0 / 113	ND	ug/kg	No	Not Detected
Chloroethane	0 / 113	ND	ug/kg	No	Not Detected
Chloroform	0 / 113	ND	ug/kg	No	Not Detected
cis-1,2-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 113	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 113	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 113	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 113	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 176	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 35	ND	ug/kg	No	Not Detected
Isophorone	0 / 176	ND	ug/kg	No	Not Detected
Isopropylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Methyl acetate	2 / 35	6.6 - 12	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 113	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 113	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 113	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 113	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Nitrobenzene	0 / 176	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 113	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 113	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Styrene	0 / 113	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 113	ND	ug/kg	No	Not Detected
Toluene	0 / 113	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 113	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 113	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 113	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 113	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 35	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 35	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 35	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 176	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 176	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 176	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 176	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 176	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 176	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 176	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 176	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 176	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 176	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 176	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 176	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 176	ND	ug/kg	No	Not Detected

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4,6-Dinitro-2-methylphenol	0 / 176	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 176	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 176	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 176	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 176	ND	ug/kg	No	Not Detected
4-Methylphenol	0 / 176	ND	ug/kg	No	Not Detected
4-Nitroaniline	0 / 176	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 176	ND	ug/kg	No	Not Detected
Acetophenone	0 / 35	ND	ug/kg	No	Not Detected
Atrazine	0 / 35	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 35	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 174	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 176	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 176	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	3 / 176	370 - 2,000	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 176	ND	ug/kg	No	Not Detected
Caprolactam	0 / 35	ND	ug/kg	No	Not Detected
Carbazole	0 / 35	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 176	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 176	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 176	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 176	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 176	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 176	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 176	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 176	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 176	ND	ug/kg	No	Not Detected
Phenol		ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	366 / 366	0 - 10,200	ug/kg	Yes	Above Background
PAH Low molecular weight	366 / 366	0 - 1,340	ug/kg	Yes	Above Background

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Pesticides					
4,4-DDD	0 / 77	ND	ug/kg	No	Not Detected
4,4-DDE	0 / 77	ND	ug/kg	No	Not Detected
4,4-DDT	0 / 77	ND	ug/kg	No	Not Detected
Aldrin	0 / 77	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 77	ND	ug/kg	No	Not Detected
alpha-Chlordane	0 / 77	ND	ug/kg	No	Not Detected
beta-BHC	0 / 77	ND	ug/kg	No	Not Detected
delta-BHC	0 / 77	ND	ug/kg	No	Not Detected
Dieldrin	0 / 77	ND	ug/kg	No	Not Detected
Endo sulfan I	0 / 77	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 77	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 77	ND	ug/kg	No	Not Detected
Endrin	0 / 77	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 77	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 35	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 77	ND	ug/kg	No	Not Detected
gamma-Chlordane	0 / 77	ND	ug/kg	No	Not Detected
Heptachlor	0 / 77	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 77	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 77	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 264	ND	ug/kg	No	Not Detected
Toxaphene	0 / 77	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [c]	110 / 270	18 - 6,280	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	16 / 190	10 - 300	mg/kg	Yes	Detected
TPH as gasoline	0 / 119	ND	mg/kg	No	Not Detected
TPH as motor oil	93 / 190	10 - 3,700	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	37 / 272	0.11 - 67	ng/kg	Yes	Above Background

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
TEQ Avian [d]	267 / 272	0.025 - 11,000	ng/kg	Yes	Above Background
TEQ Mammals [d]	267 / 272	0.021 - 12,000	ng/kg	Yes	Above Background

Table BCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to ecological risk assessment (ERA).

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the ERA. Ecological toxicity values are available for manganese, thus this chemical is evaluated in the ERA, if above background levels.

[c] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[d] Dioxins are evaluated in toxic equivalents.

Abbreviations:

mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Soil Depth Interval: 0-0.5 ft bgs																
Inorganic Compounds																
Aluminum	mg/kg	0-0.5	38 / 38	100	5700	14000	NA	NA	8645	8645	8400	3321999	1823	--	--	--
Antimony	mg/kg	0-0.5	4 / 222	2	2.1	18	1	5.5	6.325	1.096	2.6	60.64	7.787	X	1.49	95% KM (Chebyshev) UCL
Arsenic	mg/kg	0-0.5	151 / 222	68	1.1	14	0.5	2.75	3.533	2.574	3.3	3.322	1.823	--	--	--
Barium	mg/kg	0-0.5	222 / 222	100	37	1300	NA	NA	189.3	189.3	150	21010	144.9	X	232	95% Chebyshev (Mean, Sd) UCL
Beryllium	mg/kg	0-0.5	0 / 222	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Cadmium	mg/kg	0-0.5	12 / 222	5	1.1	1.7	0.5	2.75	1.358	0.547	1.4	0.0336	0.183	--	--	--
Chromium, hexavalent	mg/kg	0-0.5	74 / 248	30	0.06	47.5	0.025	0.25	3.471	1.055	1.1	60.19	7.758	X	2.31	95% KM (Chebyshev) UCL
Chromium, total	mg/kg	0-0.5	246 / 246	100	8.2	2600	NA	NA	94.33	94.33	30.5	81917	286.2	X	174	95% Chebyshev (Mean, Sd) UCL
Cobalt	mg/kg	0-0.5	221 / 221	100	3.7	20	NA	NA	8.46	8.46	8	6.459	2.541	X	8.75	95% Modified-t UCL
Copper	mg/kg	0-0.5	246 / 246	100	3	790	NA	NA	20.52	20.52	13	2834	53.24	X	35.3	95% Chebyshev (Mean, Sd) UCL
Cyanide	mg/kg	0-0.5	0 / 36	0	NA	NA	0.1	3.35	NA	NA	NA	NA	NA	--	--	--
Iron	mg/kg	0-0.5	43 / 43	100	4760	29000	NA	NA	18420	18420	18000	17442914	4176	--	--	--
Lead	mg/kg	0-0.5	220 / 222	99	1.1	220	0.55	2.75	8.452	8.388	5.5	303.7	17.43	X	13.5	95% KM (Chebyshev) UCL
Manganese	mg/kg	0-0.5	43 / 43	100	67.4	420	NA	NA	244.1	244.1	250	2923	54.07	--	--	--
Mercury	mg/kg	0-0.5	10 / 221	5	0.1	0.74	0.049	0.07	0.316	0.0611	0.265	0.0438	0.209	X	0.0692	95% KM (t) UCL
Molybdenum	mg/kg	0-0.5	16 / 222	7	1	20	0.5	2.75	3.263	0.7	1.9	22.11	4.702	--	--	--
Nickel	mg/kg	0-0.5	246 / 246	100	3.6	75	NA	NA	18.56	18.56	15	118.7	10.9	X	21.6	95% Chebyshev (Mean, Sd) UCL
Selenium	mg/kg	0-0.5	0 / 222	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Silver	mg/kg	0-0.5	0 / 222	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Thallium	mg/kg	0-0.5	1 / 222	0	2.4	2.4	1	5.5	2.4	1.006	2.4	NA	NA	X	2.4	Max Detect
Vanadium	mg/kg	0-0.5	222 / 222	100	18	100	NA	NA	36.97	36.97	33.5	183.6	13.55	X	38.5	95% Modified-t UCL
Zinc	mg/kg	0-0.5	246 / 246	100	11.9	673	NA	NA	55.08	55.08	41	3556	59.63	X	61.6	95% Modified-t UCL
Volatile Organic Compounds																
1,2,4-Trimethylbenzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Acetone	µg/kg	0-0.5	0 / 6	0	NA	NA	26.5	45	NA	NA	NA	NA	NA	--	--	--
Bromomethane	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Chloro methane	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Chloroform	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Ethyl- benzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Isopropylbenzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Methyl acetate	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Methyl ethyl ketone	µg/kg	0-0.5	0 / 6	0	NA	NA	26.5	45	NA	NA	NA	NA	NA	--	--	--
Methylene chloride	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
N-Butylbenzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
N-Propylbenzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
sec-Butylbenzene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Toluene	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Xylene, m,p-	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Xylene, o-	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Xylenes, total	µg/kg	0-0.5	0 / 6	0	NA	NA	2.65	4.5	NA	NA	NA	NA	NA	--	--	--
Semi-Volatile Organic Compounds																
4-Methylphenol	µg/kg	0-0.5	0 / 68	0	NA	NA	165	235	NA	NA	NA	NA	NA	--	--	--
Bis (2-ethylhexyl) phthalate	µg/kg	0-0.5	1 / 68	1	2000	2000	165	1700	2000	192	2000	NA	NA	X	2000	Max Detect
Butylbenzylphthalate	µg/kg	0-0.5	0 / 68	0	NA	NA	165	1700	NA	NA	NA	NA	NA	--	--	--
Di-n-butyl phthalate	µg/kg	0-0.5	0 / 68	0	NA	NA	165	235	NA	NA	NA	NA	NA	--	--	--
Isophorone	µg/kg	0-0.5	0 / 68	0	NA	NA	165	235	NA	NA	NA	NA	NA	--	--	--
Polycyclic Aromatic Hydrocarbons																
PAH low molecular weight	µg/kg	0-0.5	63 / 195	32	5.1	1340	0	0	57.63	18.62	12	30254	173.9	X	91.7	99% KM (Chebyshev) UCL
PAH high molecular weight	µg/kg	0-0.5	111 / 195	57	5.1	10200	0	0	590.3	336	106	2374649	1541	X	1190	99% KM (Chebyshev) UCL
1-Methyl naphthalene	µg/kg	0-0.5	1 / 189	1	8.8	8.8	2.5	3.55	8.8	2.533	8.8	NA	NA	X	8.8	Max Detect
2-Methyl naphthalene	µg/kg	0-0.5	1 / 193	1	12	12	2.5	175	12	2.55	12	NA	NA	X	12	Max Detect
Acenaphthene	µg/kg	0-0.5	2 / 193	1	5.9	22	2.5	175	13.95	2.621	13.95	129.6	11.38	X	22	Max Detect
Acenaphthylene	µg/kg	0-0.5	1 / 193	1	6	6	2.5	175	6	2.519	6	NA	NA	X	6	Max Detect
Anthracene	µg/kg	0-0.5	14 / 193	7	5.7	95	2.5	175	22.87	4.009	12.5	586	24.21	X	5.22	95% KM Approximate Gamma UCL
Benzo (a) anthracene	µg/kg	0-0.5	77 / 195	39	5	1000	2.5	175	86.29	35.81	17	34737	186.4	X	74.6	95% KM (Chebyshev) UCL
Benzo (a) pyrene	µg/kg	0-0.5	74 / 195	38	5	750	2.5	175	63.34	25.86	16	17695	133	X	53.1	95% KM (Chebyshev) UCL
Benzo (b) fluoranthene	µg/kg	0-0.5	92 / 195	47	5.1	1400	2.5	175	104.8	51.11	24	53630	231.6	X	103	95% KM (Chebyshev) UCL
Benzo (ghi) perylene	µg/kg	0-0.5	70 / 193	36	5.2	550	2.5	175	42.17	17.12	12.5	7133	84.46	X	34.2	95% KM (Chebyshev) UCL
Benzo (k) fluoranthene	µg/kg	0-0.5	66 / 195	34	5.1	1400	2.5	175	56.57	21.02	16	31724	178.1	X	54.4	95% KM (Chebyshev) UCL
Chrysene	µg/kg	0-0.5	88 / 195	45	5.2	1200	2.5	175	73.63	34.87	16.5	29205	170.9	X	72.4	95% KM (Chebyshev) UCL
Dibenzo (a,h) anthracene	µg/kg	0-0.5	25 / 193	13	5	93	2.5	175	22.03	5.119	9.1	614.4	24.79	X	8.7	95% KM (Chebyshev) UCL
Fluoranthene	µg/kg	0-0.5	105 / 195	54	5.4	2400	2.5	175	139.8	76.72	24	127078	356.5	X	161	95% KM (Chebyshev) UCL
Fluorene	µg/kg	0-0.5	1 / 193	1	14	14	2.5	175	14	2.561	14	NA	NA	X	14	Max Detect
Indeno (1,2,3-cd) pyrene	µg/kg	0-0.5	63 / 193	33	5.1	440	2.5	175	40.07	14.97	12	5649	75.16	X	29.6	95% KM (Chebyshev) UCL

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Naphthalene	µg/kg	0-0.5	2 / 193	1	5.5	6.5	2.5	3.55	6	2.536	6	0.5	0.707	X	6.5	Max Detect
Phenanthrene	µg/kg	0-0.5	63 / 195	32	5.1	1200	2.5	175	50.85	18.27	12	23991	154.9	X	46.7	95% KM (Chebyshev) UCL
Pyrene	µg/kg	0-0.5	100 / 195	51	5.3	2200	2.5	175	133.5	69.93	23	116736	341.7	X	149	95% KM (Chebyshev) UCL
B(a)P equivalent	µg/kg	0-0.5	111 / 195	57	5.8	1100	5.8	400	70.41	43.03	18	28859	169.9	--	--	--
Pesticides																
4,4-DDE	µg/kg	0-0.5	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
4,4-DDT	µg/kg	0-0.5	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
Alpha-Chlordane	µg/kg	0-0.5	0 / 49	0	NA	NA	0.5	0.7	NA	NA	NA	NA	NA	--	--	--
Dieldrin	µg/kg	0-0.5	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
Gamma-Chlordane	µg/kg	0-0.5	0 / 49	0	NA	NA	0.5	0.7	NA	NA	NA	NA	NA	--	--	--
Polychlorinated Biphenyls																
Total PCBs	µg/kg	0-0.5	101 / 183	55	18	6280	0	38	425	235.2	145	771350	878.3	X	740	99% KM (Chebyshev) UCL
Dioxins																
TEQ Human	ng/kg	0-0.5	160 / 161	99	0.021	12000	0.47	0.47	113.9	113.2	10	906888	952.3	X	82.9	KM H-UCL
TEQ Avian	ng/kg	0-0.5	160 / 161	99	0.025	11000	0.71	0.71	94.49	93.9	6.2	756726	869.9	X	50.6	KM H-UCL
TEQ Mammals	ng/kg	0-0.5	160 / 161	99	0.021	12000	0.47	0.47	113.9	113.2	10	906888	952.3	X	82.9	KM H-UCL
2,3,7,8-TCDD	ng/kg	0-0.5	25 / 161	16	0.11	67	0.005	2.5	5.342	0.837	0.89	189.8	13.78	X	0.177	KM H-UCL
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	0-0.5	10 / 71	14	10.1	28.9	5	5.5	15.94	6.541	14.2	31.29	5.593	X	7.44	95% KM (t) UCL
TPH as motor oil	mg/kg	0-0.5	38 / 71	54	10.9	168	5	5.5	40.56	24.03	26.1	1411	37.57	X	29.9	KM H-UCL
Miscellaneous																
Chloride	mg/kg	0-0.5	2 / 2	100	46	227	NA	NA	136.5	136.5	136.5	16381	128	X	227	Max Detect
Nitrate	mg/kg	0-0.5	2 / 2	100	8	54	NA	NA	31	31	31	1058	32.53	X	54	Max Detect
Phosphate	mg/kg	0-0.5	2 / 2	100	161	358	NA	NA	259.5	259.5	259.5	19405	139.3	X	358	Max Detect
Sulfate	mg/kg	0-0.5	2 / 2	100	448	1010	NA	NA	729	729	729	157922	397.4	X	1010	Max Detect
Soil Depth Interval: 0-3 ft bgs																
Inorganic Compounds																
Aluminum	mg/kg	0-3	38 / 38	100	5700	14000	NA	NA	8671	8671	8400	3279296	1811	--	--	--
Antimony	mg/kg	0-3	5 / 223	2	2.1	12.8	1	5.5	5.02	1.091	2.7	20.2	4.494	X	1.2	95% KM (t) UCL
Arsenic	mg/kg	0-3	156 / 223	70	0.9	11.8	0.5	2.75	3.395	2.534	3.235	2.588	1.609	--	--	--
Barium	mg/kg	0-3	223 / 223	100	35.3	1300	NA	NA	189.5	189.5	150	21528	146.7	X	232	95% Chebyshev (Mean, Sd) UCL
Beryllium	mg/kg	0-3	0 / 223	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Cadmium	mg/kg	0-3	12 / 223	5	1.1	1.7	0.5	2.75	1.353	0.547	1.35	0.0379	0.195	--	--	--
Chromium, hexavalent	mg/kg	0-3	100 / 250	40	0.0542	47.5	0.025	0.453	2.757	1.13	0.777	37.91	6.157	X	1.18	KM H-UCL

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Chromium, total	mg/kg	0-3	248 / 248	100	9.03	2130	NA	NA	95.4	95.4	31	62240	249.5	X	165	95% Chebyshev (Mean, Sd) UCL
Cobalt	mg/kg	0-3	222 / 222	100	3.7	20	NA	NA	8.51	8.51	8.07	6.074	2.465	X	8.79	95% Modified-t UCL
Copper	mg/kg	0-3	248 / 248	100	3.9	790	NA	NA	20.33	20.33	13	2801	52.93	X	35	95% Chebyshev (Mean, Sd) UCL
Cyanide	mg/kg	0-3	0 / 36	0	NA	NA	0.1	3.35	NA	NA	NA	NA	NA	--	--	--
Iron	mg/kg	0-3	43 / 43	100	4760	29000	NA	NA	18436	18436	18000	17163643	4143	--	--	--
Lead	mg/kg	0-3	222 / 223	100	0.733	220	2.75	2.75	8.265	8.237	5.5	300.3	17.33	X	13.3	95% KM (Chebyshev) UCL
Manganese	mg/kg	0-3	43 / 43	100	67.4	420	NA	NA	247.8	247.8	250	3465	58.86	--	--	--
Mercury	mg/kg	0-3	10 / 223	4	0.0967	0.52	0.049	0.07	0.268	0.0588	0.264	0.0225	0.15	X	0.0651	95% KM (t) UCL
Molybdenum	mg/kg	0-3	26 / 223	12	0.667	13.5	0.5	2.75	2.072	0.685	1.165	6.918	2.63	--	--	--
Nickel	mg/kg	0-3	248 / 248	100	3.6	75	NA	NA	18.48	18.48	14.4	117	10.82	X	21.5	95% Chebyshev (Mean, Sd) UCL
Selenium	mg/kg	0-3	2 / 223	1	0.7	1.17	0.5	2.75	0.935	0.504	0.935	0.11	0.332	--	--	--
Silver	mg/kg	0-3	0 / 223	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Thallium	mg/kg	0-3	1 / 223	0	1.95	1.95	1	5.5	1.95	1.004	1.95	NA	NA	X	1.95	Max Detect
Vanadium	mg/kg	0-3	223 / 223	100	18	100	NA	NA	37.02	37.02	33	175.4	13.25	X	38.5	95% Modified-t UCL
Zinc	mg/kg	0-3	248 / 248	100	15	673	NA	NA	55.58	55.58	42.65	3529	59.41	X	62.1	95% Modified-t UCL
Volatile Organic Compounds																
1,2,4-Trimethylbenzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Acetone	µg/kg	0-3	0 / 56	0	NA	NA	19	95	NA	NA	NA	NA	NA	--	--	--
Bromomethane	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Chloro methane	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Chloroform	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Ethyl- benzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Isopropylbenzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Methyl acetate	µg/kg	0-3	2 / 35	6	6.6	12	1.9	9.5	9.3	2.327	9.3	14.58	3.818	X	12	Max Detect
Methyl ethyl ketone	µg/kg	0-3	0 / 61	0	NA	NA	19	95	NA	NA	NA	NA	NA	--	--	--
Methylene chloride	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
N-Butylbenzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
N-Propylbenzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
sec-Butylbenzene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Toluene	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Xylene, m,p-	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Xylene, o-	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Xylenes, total	µg/kg	0-3	0 / 61	0	NA	NA	1.9	9.5	NA	NA	NA	NA	NA	--	--	--
Semi-Volatile Organic Compounds																
4-Methylphenol	µg/kg	0-3	0 / 68	0	NA	NA	165	397	NA	NA	NA	NA	NA	--	--	--
Bis (2-ethylhexyl) phthalate	µg/kg	0-3	2 / 68	3	380	2000	165	1700	1190	195.3	1190	1312200	1146	X	2000	Max Detect
Butylbenzylphthalate	µg/kg	0-3	0 / 68	0	NA	NA	165	1700	NA	NA	NA	NA	NA	--	--	--
Di-n-butyl phthalate	µg/kg	0-3	0 / 68	0	NA	NA	165	397	NA	NA	NA	NA	NA	--	--	--
Isophorone	µg/kg	0-3	0 / 68	0	NA	NA	165	397	NA	NA	NA	NA	NA	--	--	--
Polycyclic Aromatic Hydrocarbons																
PAH low molecular weight	µg/kg	0-3	71 / 196	36	1.67	1340	0	0	50.65	18.35	11.3	27103	164.6	X	90.9	99% KM (Chebyshev) UCL
PAH high molecular weight	µg/kg	0-3	120 / 196	61	1.7	10200	0	0	539.7	330.4	89.55	2217069	1489	X	1179	99% KM (Chebyshev) UCL
1-Methyl naphthalene	µg/kg	0-3	1 / 190	1	8.8	8.8	2.5	6.07	8.8	2.533	8.8	NA	NA	X	8.8	Max Detect
2-Methyl naphthalene	µg/kg	0-3	1 / 194	1	12	12	2.5	175	12	2.55	12	NA	NA	X	12	Max Detect
Acenaphthene	µg/kg	0-3	2 / 194	1	5.9	22	2.5	175	13.95	2.621	13.95	129.6	11.38	X	22	Max Detect
Acenaphthylene	µg/kg	0-3	1 / 194	1	6	6	2.5	175	6	2.519	6	NA	NA	X	6	Max Detect
Anthracene	µg/kg	0-3	14 / 194	7	4.97	95	2.5	175	22.79	3.995	12.5	589	24.27	X	5.2	95% KM Approximate Gamma UCL
Benzo (a) anthracene	µg/kg	0-3	86 / 196	44	3.5	1000	2.5	175	77.21	35.5	14.25	31709	178.1	X	74	95% KM (Chebyshev) UCL
Benzo (a) pyrene	µg/kg	0-3	82 / 196	42	3.6	750	2.5	175	57.22	25.65	14.3	16246	127.5	X	52.7	95% KM (Chebyshev) UCL
Benzo (b) fluoranthene	µg/kg	0-3	102 / 196	52	3.37	1400	2.5	175	94.39	50.65	19.5	49160	221.7	X	103	95% KM (Chebyshev) UCL
Benzo (ghi) perylene	µg/kg	0-3	78 / 194	40	3.47	550	2.5	175	37.71	16.88	11.2	6553	80.95	X	33.9	95% KM (Chebyshev) UCL
Benzo (k) fluoranthene	µg/kg	0-3	72 / 196	37	4.13	1400	2.5	175	51.56	20.73	12.15	29277	171.1	X	53.9	95% KM (Chebyshev) UCL
Chrysene	µg/kg	0-3	95 / 196	48	4.37	1200	2.5	175	67.72	34.37	15	27376	165.5	X	71.7	95% KM (Chebyshev) UCL
Dibenzo (a,h) anthracene	µg/kg	0-3	26 / 194	13	4.77	93	2.5	175	21.22	5.092	8.5	605.8	24.61	X	8.65	95% KM (Chebyshev) UCL
Fluoranthene	µg/kg	0-3	113 / 196	58	4.67	2400	2.5	175	128.5	75.41	21	118559	344.3	X	159	95% KM (Chebyshev) UCL
Fluorene	µg/kg	0-3	1 / 194	1	14	14	2.5	175	14	2.561	14	NA	NA	X	14	Max Detect
Indeno (1,2,3-cd) pyrene	µg/kg	0-3	71 / 194	37	3.37	440	2.5	175	35.56	14.79	10	5157	71.81	X	29.3	95% KM (Chebyshev) UCL
Naphthalene	µg/kg	0-3	3 / 194	2	5	6.5	2.33	3.43	5.667	2.382	5.5	0.583	0.764	X	6.5	Max Detect
Phenanthrene	µg/kg	0-3	71 / 196	36	3.4	1200	2.5	175	45.11	18.09	11	21451	146.5	X	46.3	95% KM (Chebyshev) UCL
Pyrene	µg/kg	0-3	108 / 196	55	4.2	2200	2.5	175	122.3	68.74	20	108758	329.8	X	147	95% KM (Chebyshev) UCL
B(a)P equivalent	µg/kg	0-3	120 / 196	61	5.8	1100	5.8	400	64.91	42.44	14	26938	164.1	--	--	--
Pesticides																
4,4-DDE	µg/kg	0-3	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
4,4-DDT	µg/kg	0-3	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
Alpha-Chlordane	µg/kg	0-3	0 / 49	0	NA	NA	0.5	0.7	NA	NA	NA	NA	NA	--	--	--

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Dieldrin	µg/kg	0-3	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
Gamma-Chlordane	µg/kg	0-3	0 / 49	0	NA	NA	0.5	0.7	NA	NA	NA	NA	NA	--	--	--
Polychlorinated Biphenyls																
Total PCBs	µg/kg	0-3	105 / 184	57	14.8	6280	0	38	412.7	237.4	136	747951	864.8	X	739	99% KM (Chebyshev) UCL
Dioxins																
TEQ Human	ng/kg	0-3	160 / 161	99	0.021	8000	0.47	0.47	92.21	91.64	10.6	410136	640.4	X	88.3	KM H-UCL
TEQ Avian	ng/kg	0-3	160 / 161	99	0.025	7340	0.71	0.71	74.12	73.66	6.5	338812	582.1	X	54.9	KM H-UCL
TEQ Mammals	ng/kg	0-3	160 / 161	99	0.021	8000	0.47	0.47	92.21	91.64	10.6	410136	640.4	X	88.3	KM H-UCL
2,3,7,8-TCDD	ng/kg	0-3	30 / 161	19	0.11	44.7	0.005	2.5	3.83	0.723	0.915	80.72	8.985	X	0.259	KM H-UCL
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	0-3	13 / 72	18	8.33	22.8	5	5.5	12.23	6.305	12	14.47	3.804	X	6.96	95% KM (t) UCL
TPH as gasoline	mg/kg	0-3	0 / 62	0	NA	NA	0.35	1.1	NA	NA	NA	NA	NA	--	--	--
TPH as motor oil	mg/kg	0-3	49 / 72	68	6.67	117	5	5.5	31.23	22.85	21	770.7	27.76	X	29	95% KM Approximate Gamma UCL
Miscellaneous																
Chloride	mg/kg	0-3	2 / 2	100	46	227	NA	NA	136.5	136.5	136.5	16381	128	X	227	Max Detect
Nitrate	mg/kg	0-3	2 / 2	100	8	54	NA	NA	31	31	31	1058	32.53	X	54	Max Detect
Phosphate	mg/kg	0-3	2 / 2	100	161	358	NA	NA	259.5	259.5	259.5	19405	139.3	X	358	Max Detect
Sulfate	mg/kg	0-3	2 / 2	100	448	1010	NA	NA	729	729	729	157922	397.4	X	1010	Max Detect
Soil Depth Interval: 0-6 ft bgs																
Inorganic Compounds																
Aluminum	mg/kg	0-6	38 / 38	100	5700	14000	NA	NA	8720	8720	8450	3213095	1793	--	--	--
Antimony	mg/kg	0-6	8 / 227	4	1.71	8.32	1	5.5	4.884	1.137	4.895	8.125	2.85	X	1.24	95% KM (t) UCL
Arsenic	mg/kg	0-6	162 / 227	71	0.667	19	0.5	2.75	3.485	2.637	3.185	5.308	2.304	--	--	--
Barium	mg/kg	0-6	227 / 227	100	32	1300	NA	NA	187.1	187.1	142	23089	151.9	X	231	95% Chebyshev (Mean, Sd) UCL
Beryllium	mg/kg	0-6	0 / 227	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Cadmium	mg/kg	0-6	13 / 227	6	0.683	1.7	0.5	2.75	1.275	0.545	1.25	0.0753	0.274	--	--	--
Chromium, hexavalent	mg/kg	0-6	109 / 255	43	0.0279	73	0.025	0.38	4.18	1.812	0.69	104	10.2	X	3.72	95% KM (Chebyshev) UCL
Chromium, total	mg/kg	0-6	253 / 253	100	11	4400	NA	NA	140.5	140.5	31	197601	444.5	X	262	95% Chebyshev (Mean, Sd) UCL
Cobalt	mg/kg	0-6	226 / 226	100	3.7	20	NA	NA	8.539	8.539	8.045	5.948	2.439	X	8.81	95% Modified-t UCL
Copper	mg/kg	0-6	253 / 253	100	3.9	790	NA	NA	20.04	20.04	12.7	2744	52.38	X	34.4	95% Chebyshev (Mean, Sd) UCL
Cyanide	mg/kg	0-6	0 / 36	0	NA	NA	0.1	3.35	NA	NA	NA	NA	NA	--	--	--
Iron	mg/kg	0-6	44 / 44	100	4760	29000	NA	NA	18224	18224	18000	19479689	4414	--	--	--
Lead	mg/kg	0-6	226 / 227	100	1.01	220	2.75	2.75	8.063	8.037	5.2	298.6	17.28	X	13	95% KM (Chebyshev) UCL

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Manganese	mg/kg	0-6	44 / 44	100	67.4	482	NA	NA	246.6	246.6	245	4532	67.32	--	--	--
Mercury	mg/kg	0-6	12 / 227	5	0.06	0.52	0.049	0.07	0.222	0.0581	0.195	0.0256	0.16	X	0.0641	95% KM (t) UCL
Molybdenum	mg/kg	0-6	43 / 227	19	0.6	8.08	0.5	2.75	1.961	0.78	1.2	3.892	1.973	--	--	--
Nickel	mg/kg	0-6	253 / 253	100	3.6	75	NA	NA	18.3	18.3	14.2	116.4	10.79	X	21.3	95% Chebyshev (Mean, Sd) UCL
Selenium	mg/kg	0-6	2 / 227	1	0.983	1.63	0.5	2.75	1.307	0.507	1.307	0.209	0.457	--	--	--
Silver	mg/kg	0-6	0 / 227	0	NA	NA	0.5	2.75	NA	NA	NA	NA	NA	--	--	--
Thallium	mg/kg	0-6	1 / 227	0	1.71	1.71	1	5.5	1.71	1.003	1.71	NA	NA	X	1.71	Max Detect
Vanadium	mg/kg	0-6	227 / 227	100	18	100	NA	NA	37.38	37.38	33.5	178.1	13.35	X	38.9	95% Modified-t UCL
Zinc	mg/kg	0-6	253 / 253	100	6.4	673	NA	NA	57.6	57.6	42.3	3724	61.02	X	74.3	95% Chebyshev (Mean, Sd) UCL
Volatile Organic Compounds																
1,2,4-Trimethylbenzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Acetone	µg/kg	0-6	0 / 57	0	NA	NA	19.3	83.1	NA	NA	NA	NA	NA	--	--	--
Bromomethane	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Chloro methane	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Chloroform	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Ethyl- benzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Isopropylbenzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Methyl acetate	µg/kg	0-6	2 / 35	6	6.6	12	1.9	9.5	9.3	2.327	9.3	14.58	3.818	X	12	Max Detect
Methyl ethyl ketone	µg/kg	0-6	0 / 61	0	NA	NA	19.2	83.1	NA	NA	NA	NA	NA	--	--	--
Methylene chloride	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
N-Butylbenzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
N-Propylbenzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
sec-Butylbenzene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Toluene	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Xylene, m,p-	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Xylene, o-	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Xylenes, total	µg/kg	0-6	0 / 61	0	NA	NA	1.92	8.31	NA	NA	NA	NA	NA	--	--	--
Semi-Volatile Organic Compounds																
4-Methylphenol	µg/kg	0-6	0 / 68	0	NA	NA	165	510	NA	NA	NA	NA	NA	--	--	--
Bis (2-ethylhexyl) phthalate	µg/kg	0-6	3 / 68	4	199	2000	165	1700	931.3	199	595	895740	946.4	X	2000	Max Detect
Butylbenzylphthalate	µg/kg	0-6	0 / 68	0	NA	NA	165	1700	NA	NA	NA	NA	NA	--	--	--
Di-n-butyl phthalate	µg/kg	0-6	0 / 68	0	NA	NA	165	510	NA	NA	NA	NA	NA	--	--	--

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Isophorone	µg/kg	0-6	0 / 68	0	NA	NA	165	510	NA	NA	NA	NA	NA	--	--	--
Polycyclic Aromatic Hydrocarbons																
PAH low molecular weight	µg/kg	0-6	73 / 199	37	0.833	1340	0	0	49.09	18.01	12	26393	162.5	X	89.4	99% KM (Chebyshev) UCL
PAH high molecular weight	µg/kg	0-6	122 / 199	61	1.9	10200	0	0	526.2	322.6	81.95	2186298	1479	X	1159	99% KM (Chebyshev) UCL
1-Methyl naphthalene	µg/kg	0-6	1 / 193	1	8.8	8.8	2.5	7.8	8.8	2.533	8.8	NA	NA	X	8.8	Max Detect
2-Methyl naphthalene	µg/kg	0-6	1 / 197	1	12	12	2.5	175	12	2.549	12	NA	NA	X	12	Max Detect
Acenaphthene	µg/kg	0-6	2 / 197	1	5.9	22	2.5	175	13.95	2.619	13.95	129.6	11.38	X	22	Max Detect
Acenaphthylene	µg/kg	0-6	1 / 197	1	6	6	2.5	175	6	2.518	6	NA	NA	X	6	Max Detect
Anthracene	µg/kg	0-6	16 / 197	8	3.83	95	2.5	175	20.59	4.001	11	546.9	23.39	X	5.18	95% KM Approximate Gamma UCL
Benzo (a) anthracene	µg/kg	0-6	87 / 199	44	3.48	1000	2.5	175	76.36	35.01	13.5	31421	177.3	X	73	95% KM (Chebyshev) UCL
Benzo (a) pyrene	µg/kg	0-6	83 / 199	42	3.24	750	2.5	175	56.02	25.06	13.5	16115	126.9	X	51.7	95% KM (Chebyshev) UCL
Benzo (b) fluoranthene	µg/kg	0-6	104 / 199	52	3.81	1400	2.5	175	92.31	49.76	17.1	48346	219.9	X	101	95% KM (Chebyshev) UCL
Benzo (ghi) perylene	µg/kg	0-6	79 / 197	40	3.33	550	2.5	175	36.93	16.51	9.6	6509	80.68	X	33.3	95% KM (Chebyshev) UCL
Benzo (k) fluoranthene	µg/kg	0-6	73 / 199	37	3.6	1400	2.5	175	50.66	20.36	11.8	28926	170.1	X	53	95% KM (Chebyshev) UCL
Chrysene	µg/kg	0-6	97 / 199	49	3.61	1200	2.5	175	66.78	34.1	13.8	26883	164	X	70.9	95% KM (Chebyshev) UCL
Dibenzo (a,h) anthracene	µg/kg	0-6	27 / 197	14	3.55	93	2.5	175	20.66	5.07	8.5	593	24.35	X	4.32	KM H-UCL
Fluoranthene	µg/kg	0-6	114 / 199	57	3.63	2400	2.5	175	126	73.57	18.5	117341	342.6	X	156	95% KM (Chebyshev) UCL
Fluorene	µg/kg	0-6	1 / 197	1	14	14	2.5	175	14	2.56	14	NA	NA	X	14	Max Detect
Indeno (1,2,3-cd) pyrene	µg/kg	0-6	71 / 197	36	3.33	440	2.5	175	35.39	14.53	9.4	5173	71.92	X	28.9	95% KM (Chebyshev) UCL
Naphthalene	µg/kg	0-6	3 / 197	2	5.5	6.5	2.15	6.29	6.043	2.209	6.13	0.256	0.506	X	6.5	Max Detect
Phenanthrene	µg/kg	0-6	73 / 199	37	3.16	1200	2.5	175	43.87	17.83	12	20874	144.5	X	45.6	95% KM (Chebyshev) UCL
Pyrene	µg/kg	0-6	109 / 199	55	3.97	2200	2.5	175	119.9	67.06	20	107736	328.2	X	144	95% KM (Chebyshev) UCL
B(a)P equivalent	µg/kg	0-6	122 / 199	61	5.8	1100	5.8	400	63.43	41.56	14	26581	163	--	--	--
Pesticides																
4,4-DDE	µg/kg	0-6	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
4,4-DDT	µg/kg	0-6	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
Alpha-Chlordane	µg/kg	0-6	0 / 49	0	NA	NA	0.5	0.7	NA	NA	NA	NA	NA	--	--	--
Dieldrin	µg/kg	0-6	0 / 49	0	NA	NA	1	1.4	NA	NA	NA	NA	NA	--	--	--
Gamma-Chlordane	µg/kg	0-6	0 / 49	0	NA	NA	0.5	0.7	NA	NA	NA	NA	NA	--	--	--
Polychlorinated Biphenyls																
Total PCBs	µg/kg	0-6	105 / 187	56	11.7	6280	0	38	408	231	122	750849	866.5	X	726	99% KM (Chebyshev) UCL
Dioxins																
TEQ Human	ng/kg	0-6	164 / 165	99	0.021	4010	0.47	0.47	73.18	72.74	10	115124	339.3	X	93.8	KM H-UCL
TEQ Avian	ng/kg	0-6	164 / 165	99	0.025	3670	0.71	0.71	55.1	54.77	6.18	87729	296.2	X	58.1	KM H-UCL

Table BCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for BCW and AOC 4 (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

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			Summary Statistics for Depth-Weighted Soil Datasets													Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
TEQ Mammals	ng/kg	0-6	164 / 165	99	0.021	4010	0.47	0.47	73.18	72.74	10	115124	339.3	X	93.8	KM H-UCL
2,3,7,8-TCDD	ng/kg	0-6	34 / 165	21	0.0751	22.4	0.005	2.5	2.866	0.6	0.77	30.87	5.556	X	0.313	KM H-UCL
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	0-6	15 / 72	21	6.58	54.2	5	5.5	12.72	6.608	9.27	138.8	11.78	X	6.82	KM H-UCL
TPH as gasoline	mg/kg	0-6	0 / 62	0	NA	NA	0.35	5.79	NA	NA	NA	NA	NA	--	--	--
TPH as motor oil	mg/kg	0-6	51 / 72	71	6.75	641	5	5.5	39.54	29.46	17.1	8061	89.78	X	69.1	95% KM (Chebyshev) UCL
Miscellaneous																
Chloride	mg/kg	0-6	3 / 3	100	34	227	NA	NA	102.3	102.3	46	11692	108.1	X	227	Max Detect
Nitrate	mg/kg	0-6	3 / 3	100	6	54	NA	NA	22.67	22.67	8	737.3	27.15	X	54	Max Detect
Phosphate	mg/kg	0-6	3 / 3	100	8.8	358	NA	NA	175.9	175.9	161	30652	175.1	X	358	Max Detect
Sulfate	mg/kg	0-6	3 / 3	100	53	1010	NA	NA	503.7	503.7	448	231286	480.9	X	1010	Max Detect

Notes:

[a] The constituent consists of analytes detected at least once at the Topock Compressor Station site and measured in soil in this exposure area.

[b] If fewer than eight total locations and four total detected concentrations, the maximum depth-weighted concentration was selected as the EPC. Otherwise, the UCL was selected as the EPC.

[c] EPCs and summary statistics were not calculated for some constituents (i.e., dioxin congeners and essential nutrients). Those data, if available, are presented in Attachment A1 of each exposure area-specific appendix.

Abbreviations:

"--" = not applicable
B(a)P equivalent = benzo(a)pyrene equivalent
AOC = area of concern
BCA = Bias-corrected accelerated bootstrap method
BCW = Bat Cave Wash
COPEC = constituent of potential ecological concern
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
EPC = exposure point concentration
FOD = frequency of detection
ft bgs = feet below ground surface
KM = Kaplan-Meier
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
ND = not detected
ng/kg = nanograms per kilogram
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyls
PG&E = Pacific Gas and Electric Company
TCDD = Tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons
UCL = upper confidence limit
X = COPEC in the exposure depth interval

Table BCW+AOC4-3.2
EPC Comparison for AOC 4 Shallow and Subsurface I Soil Data

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COPEC	Units	Soil Depth-Weighted EPCs				Relative Percent Difference
		0-3 ft bgs		0-6 ft bgs		
Inorganics						
Antimony	mg/kg	3.06E-01	--	3.06E-01	--	0
Barium	mg/kg	1.81E+02	--	1.81E+02	--	0
Chromium, hexavalent	mg/kg	3.84E+00	--	3.84E+00	--	0
Chromium, total	mg/kg	2.80E+01	--	2.80E+01	--	0
Cobalt	mg/kg	3.24E+00	--	3.24E+00	--	0
Copper	mg/kg	8.45E+01	--	8.45E+01	--	0
Lead	mg/kg	2.60E+01	--	2.60E+01	--	0
Mercury	mg/kg	1.34E-01	--	1.51E-01	--	12
Nickel	mg/kg	1.18E+01	--	1.18E+01	--	0
Thallium	mg/kg	NA	--	NA	--	--
Vanadium	mg/kg	1.63E+01	--	1.63E+01	--	0
Zinc	mg/kg	5.29E+01	--	5.30E+01	--	0
Volatile Organic Compounds						
Methyl acetate	mg/kg	--	--	--	--	--
Semi-Volatile Organic Compounds						
Bis (2-ethylhexyl) phthalate	mg/kg	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons						
PAH Low molecular weight	mg/kg	2.20E+02	--	2.20E+02	--	0
PAH High molecular weight	mg/kg	1.94E+03	--	1.94E+03	--	0
Polychlorinated Biphenyls						
Total PCBs	mg/kg	1.03E+03	--	1.03E+03	--	0
Dioxins						
TEQ Avian	ng/kg	3.83E+01	--	3.83E+01	--	0
TEQ Mammals	ng/kg	4.27E+01	--	4.27E+01	--	0

Abbreviations:
"--" = not analyzed at AOC 4
AOC = area of concern
BCW = Bat Cave Wash
COPEC = constituent of potential ecological concern
EPC = exposure point concentration
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
NA = not detected at AOC 4
ng/kg = nanograms per kilogram
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyl
TEQ = toxic equivalent

Table BCW+AOC4-5.1
Summary of COPECs Evaluated in the ERA for BCW and AOC 4

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COPEC[a]	Baseline (0-6 ft bgs)
Inorganics	
Antimony	X
Barium	X
Chromium, hexavalent	X
Chromium, total	X
Cobalt	X
Copper	X
Lead	X
Mercury	X
Nickel	X
Thallium	X
Vanadium	X
Zinc	X
Volatile Organic Compounds	
Methyl acetate	X
Semi-Volatile Organic Compounds	
Bis (2-ethylhexyl) phthalate	X
Polycyclic Aromatic Hydrocarbons	
PAH Low molecular weight	X
PAH High molecular weight	X
Polychlorinated Biphenyls	
Total PCBs	X
Dioxins	
TEQ Avian	X
TEQ Mammals	X
Total Petroleum Hydrocarbons	
TPH as diesel	X
TPH as motor oil	X

Notes:

[a] COPECs selected over the entire soil depth interval (0-6 ft bgs) potentially contacted by ecological receptors. COPECs based on background screening for metals, PAHs, and dioxins. All detected organic compounds were selected as COPECs. See Section 2 of Appendix BCW+AOC4 for details.

Abbreviations:
AOC = area of concern
BCW = Bat Cave Wash
COPEC = constituent of potential ecological concern
ERA = ecological risk assessment
ft bgs = feet below ground surface
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyl
TPH = total petroleum hydrocarbon
X = COPEC in that exposure depth interval

Table BCW+AOC4-5.2
Soil Exposure Point Concentration Matrix for Terrestrial Ecological Receptors

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Ecological Receptor	Exposure Depth Intervals for Calculation of EPCs				
	Soil EPCs[a]		Biota Tissue EPCs		
	All AOCs		All AOCs		
	0-0.5 ft bgs	Maximum EPC (0-0.5, 0-3, 0-6 ft bgs)	Plants - Maximum EPC (0-0.5, 0-3, 0-6 ft bgs)	Insects (0-0.5 ft bgs)	Invertivorous Mammals (0-0.5 ft bgs)
Terrestrial Receptors					
Red-Tailed Hawk	X				X
Desert Kit Fox		X			X
Nelson's Desert Bighorn Sheep		X	X		

Notes:

[a] Exposure point concentrations for ecological receptors will be represented by the maximum detected concentation, depth-weighted 95 UCL, and spatially-weighted 95% UCL, as relevant for this AOC. See Section 5 of Appendix BCW+AOC4 for details.

Abbreviations:
AOC = area of concern
BCW = Bat Cave Wash
EPC = exposure point concentration
ft bgs = feet below ground surface
X = representative EPC for the pathway/receptor

Table BCW+AOC4-5.3
Baseline Scenario Depth-Weighted Exposure Point Concentrations for Soil and Biota for BCW and AOC 4

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COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Inorganics								
Antimony	mg/kg	**1.49E+00**	1.20E+00	1.24E+00	**5.73E-02**	4.68E-02	4.83E-02	7.45E-02
Barium	mg/kg	**2.32E+02**	**2.32E+02**	2.31E+02	**3.62E+01**	**3.62E+01**	3.60E+01	2.71E-01
Chromium, hexavalent	mg/kg	2.31E+00	1.18E+00	**3.72E+00**	9.47E-02	4.84E-02	**1.53E-01**	4.29E-01
Chromium, total	mg/kg	1.74E+02	1.65E+02	**2.62E+02**	7.13E+00	6.77E+00	**1.07E+01**	1.02E+01
Cobalt	mg/kg	8.75E+00	8.79E+00	**8.81E+00**	6.56E-02	6.59E-02	**6.61E-02**	1.96E-01
Copper	mg/kg	**3.53E+01**	3.50E+01	3.44E+01	**7.94E+00**	7.92E+00	7.86E+00	1.29E+01
Lead	mg/kg	**1.35E+01**	1.33E+01	1.30E+01	**1.14E+00**	1.13E+00	1.12E+00	3.41E+00
Mercury	mg/kg	**6.92E-02**	6.51E-02	6.41E-02	**8.64E-02**	8.36E-02	8.29E-02	1.33E-02
Nickel	mg/kg	**2.16E+01**	2.15E+01	2.13E+01	**1.08E+00**	1.07E+00	1.07E+00	3.27E+00
Thallium	mg/kg	**2.40E+00** m	1.95E+00 m	1.71E+00 m	**9.60E-03**	7.80E-03	6.84E-03	2.69E-01
Vanadium	mg/kg	3.85E+01	3.85E+01	**3.89E+01**	1.87E-01	1.87E-01	**1.89E-01**	4.74E-01
Zinc	mg/kg	6.16E+01	6.21E+01	**7.43E+01**	4.74E+01	4.76E+01	**5.25E+01**	1.05E+02
Volatile Organic Compounds								
Methyl acetate	mg/kg	-- nd	**1.20E-02** m	**1.20E-02** m	--	**0.00E+00**	**0.00E+00**	--
Semi-Volatile Organic Compounds								
Bis (2-ethylhexyl) phthalate	mg/kg	**2.00E+00** m	**2.00E+00** m	**2.00E+00** m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Polycyclic Aromatic Hydrocarbons								
PAH Low molecular weight	mg/kg	**9.17E-02**	9.09E-02	8.94E-02	**9.02E-02**	8.98E-02	8.91E-02	0.00E+00
PAH High molecular weight	mg/kg	**1.19E+00**	1.18E+00	1.16E+00	**2.15E-01**	2.13E-01	2.10E-01	0.00E+00
Polychlorinated Biphenyls								
Total PCBs	mg/kg	**7.40E-01**	7.39E-01	7.26E-01	**7.40E-03**	7.39E-03	7.26E-03	6.80E-02
Dioxins								
TEQ Avian	ng/kg	5.06E+01	5.49E+01	**5.81E+01**	2.83E-01	3.07E-01	**3.25E-01**	4.26E+01
TEQ Mammals	ng/kg	8.29E+01	8.83E+01	**9.38E+01**	4.64E-01	4.94E-01	**5.25E-01**	7.34E+01
2,3,7,8-TCDD	ng/kg	1.77E-01	2.59E-01	**3.13E-01**	**--**	**--**	**--**	--

Table BCW+AOC4-5.3
Baseline Scenario Depth-Weighted Exposure Point Concentrations for Soil and Biota for BCW and AOC 4

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Notes:
[a] Calculated using selected soil EPC and uptake model. See Section 6 of the main report.
[b] Biota EPCs equal to 0.0 indicate no bioaccumulation from soil.

Bold indicates EPC selected to estimate plant uptake from soil (maximum of surface, shallow, and subsurface l soil.

Abbreviations:
-- = soil EPC or uptake model not available, biota EPCs could not be estimated.
AOC = area of concern
EPC = exposure point concentration
ft bgs = feet below ground surface
m = maximum depth-weighted concentration
mg/kg = milligrams per kilogram
nd = not detected in this depth interval
ng/kg = nanograms per kilogram

Table BCW+AOC4-5.4a
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for BCW and AOC 4

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	7E-02	7E-03	2E-01	2E-02	--	--	--	--	--	--
Barium	--	--	5E-03	3E-03	3E-02	2E-02	--	--	--	--	--	--
Chromium, hexavalent	1E-02	1E-03	2E-03	5E-04	2E-03	5E-04	--	--	--	--	--	--
Chromium, total	4E-01	6E-02	3E-01	6E-02	5E-01	1E-01	--	--	--	--	--	--
Cobalt	3E-03	1E-03	2E-03	8E-04	5E-03	2E-03	--	--	1E-02	8E-04	4E-02	3E-03
Copper	3E-01	9E-02	9E-02	5E-02	5E-02	3E-02	5E-01	2E-02	2E-01	8E-04	2E-01	6E-04
Lead	2E-01	9E-02	3E-02	2E-02	2E-02	1E-02	**2E+01**	3E-02	1E-01	6E-04	1E-01	5E-04
Mercury	3E-02	6E-03	2E-03	1E-04	8E-03	5E-04	3E-02	6E-03	2E-03	1E-04	8E-03	5E-04
Nickel	4E-02	2E-02	8E-02	4E-02	1E-01	5E-02	2E-01	5E-03	1E+00	4E-03	1E+00	5E-03
Thallium	7E-02	7E-03	2E-02	8E-03	3E-02	1E-02	--	--	2E-02	8E-03	3E-02	1E-02
Vanadium	2E-01	1E-01	1E-02	7E-03	6E-02	3E-02	--	--	--	--	--	--
Zinc	1E-01	5E-02	5E-02	1E-02	1E-02	3E-03	5E-01	5E-02	4E-01	9E-03	2E-01	3E-03
Volatile Organic Compounds												
Methyl acetate	--	--	1E-07	3E-08	8E-07	2E-07	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
Bis (2-ethylhexyl) phth	2E-03	2E-04	1E-04	1E-05	7E-04	7E-05	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	4E-06	4E-07	1E-06	3E-07	2E-05	5E-06	--	--	2E-06	6E-07	4E-05	1E-05
PAH High molecular weight	1E-04	1E-05	2E-03	4E-04	1E-02	3E-03	--	--	9E-04	4E-05	1E-02	4E-04
Polychlorinated Biphenyls												
Total PCBs	7E-02	5E-03	9E-03	2E-03	1E-02	4E-03	7E-02	5E-03	9E-03	2E-03	1E-02	4E-03

Table BCW+AOC4-5.4a
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for BCW and AOC 4

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
Dioxins												
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	2E-01	2E-02	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	**3E+00**	3E-01	5E-01	5E-02	--	--	--	--	--	--

Notes:

	NOAEL HQ greater than 1
	LOAEL HQ greater than 1
	LOAEL HQ greater than 10
	LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table BCW+AOC4-5.4b

Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs and BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 0.008		SUF = 0.007		SUF = 0.02		SUF = 0.008		SUF = 0.007		SUF = 0.02	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	5E-04	5E-05	3E-03	3E-04	--	--	--	--	--	--
Barium	--	--	3E-05	2E-05	4E-04	3E-04	--	--	--	--	--	--
Chromium, hexavalent	1E-04	1E-05	1E-05	3E-06	3E-05	7E-06	--	--	--	--	--	--
Chromium, total	3E-03	5E-04	2E-03	4E-04	8E-03	2E-03	--	--	--	--	--	--
Cobalt	3E-05	1E-05	1E-05	6E-06	8E-05	3E-05	--	--	9E-05	5E-06	7E-04	4E-05
Copper	2E-03	7E-04	6E-04	3E-04	7E-04	4E-04	4E-03	2E-04	1E-03	5E-06	2E-03	9E-06
Lead	1E-03	7E-04	2E-04	1E-04	3E-04	2E-04	2E-01	3E-04	9E-04	4E-06	2E-03	7E-06
Mercury	2E-04	5E-05	1E-05	9E-07	1E-04	8E-06	2E-04	5E-05	1E-05	9E-07	1E-04	8E-06
Nickel	3E-04	1E-04	5E-04	3E-04	2E-03	8E-04	2E-03	4E-05	7E-03	3E-05	2E-02	7E-05
Thallium	6E-04	6E-05	2E-04	6E-05	5E-04	2E-04	--	--	2E-04	6E-05	5E-04	2E-04
Vanadium	2E-03	1E-03	9E-05	4E-05	1E-03	5E-04	--	--	--	--	--	--
Zinc	1E-03	4E-04	3E-04	8E-05	2E-04	5E-05	4E-03	4E-04	3E-03	6E-05	3E-03	5E-05
Volatile Organic Compounds												
Methyl acetate	--	--	9E-10	2E-10	1E-08	3E-09	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
Bis (2-ethylhexyl) phthalate	2E-05	2E-06	7E-07	7E-08	1E-05	1E-06	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	4E-08	4E-09	9E-09	2E-09	4E-07	8E-08	--	--	1E-08	4E-09	7E-07	2E-07
PAH High molecular weight	1E-06	1E-07	1E-05	3E-06	2E-04	4E-05	--	--	6E-06	2E-07	2E-04	6E-06
Polychlorinated Biphenyls												
Total PCBs	6E-04	4E-05	6E-05	2E-05	2E-04	6E-05	6E-04	4E-05	6E-05	2E-05	2E-04	6E-05

Table BCW+AOC4-5.4b

Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs and BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
Dioxins												
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	2E-03	2E-04	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	2E-02	2E-03	9E-03	9E-04	--	--	--	--	--	--

Notes:

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table BCW+AOC4-6.1
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs) for BCW+AOC4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	HQs based on Selected TRVs								
	Red-Tailed Hawk			Desert Kit Fox			Nelson's Desert Bighorn Sheep		
	Depth-Weighted SUF = 0.01		WOE Result[a]	Depth-Weighted SUF = 0.01		WOE Result[a]	Depth-Weighted SUF = 0.02		WOE Result[a]
	NOAEL	LOAEL		NOAEL	LOAEL		NOAEL	LOAEL	
Inorganics									
Antimony	--	--	--	5E-04	5E-05	HQ ≤ 1	3E-03	3E-04	HQ ≤ 1
Barium	--	--	--	3E-05	2E-05	HQ ≤ 1	4E-04	3E-04	HQ ≤ 1
Chromium, hexavalent	1E-04	1E-05	HQ ≤ 1	1E-05	3E-06	HQ ≤ 1	3E-05	7E-06	HQ ≤ 1
Chromium, total	3E-03	5E-04	HQ ≤ 1	2E-03	4E-04	HQ ≤ 1	8E-03	2E-03	HQ ≤ 1
Cobalt	3E-05	1E-05	HQ ≤ 1	1E-05	6E-06	HQ ≤ 1	8E-05	3E-05	HQ ≤ 1
Copper	2E-03	7E-04	HQ ≤ 1	6E-04	3E-04	HQ ≤ 1	7E-04	4E-04	HQ ≤ 1
Lead	1E-03	7E-04	HQ ≤ 1	2E-04	1E-04	HQ ≤ 1	3E-04	2E-04	HQ ≤ 1
Mercury	2E-04	5E-05	HQ ≤ 1	1E-05	9E-07	HQ ≤ 1	1E-04	8E-06	HQ ≤ 1
Nickel	3E-04	1E-04	HQ ≤ 1	5E-04	3E-04	HQ ≤ 1	2E-03	8E-04	HQ ≤ 1
Thallium	6E-04	6E-05	HQ ≤ 1	2E-04	6E-05	HQ ≤ 1	5E-04	2E-04	HQ ≤ 1
Vanadium	2E-03	1E-03	HQ ≤ 1	9E-05	4E-05	HQ ≤ 1	1E-03	5E-04	HQ ≤ 1
Zinc	1E-03	4E-04	HQ ≤ 1	3E-04	8E-05	HQ ≤ 1	2E-04	5E-05	HQ ≤ 1
Volatile Organic Compounds									
Methyl acetate	--	--	--	9E-10	2E-10	HQ ≤ 1	1E-08	3E-09	HQ ≤ 1
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	2E-05	2E-06	HQ ≤ 1	7E-07	7E-08	HQ ≤ 1	1E-05	1E-06	HQ ≤ 1
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	4E-08	4E-09	HQ ≤ 1	9E-09	2E-09	HQ ≤ 1	4E-07	8E-08	HQ ≤ 1
PAH High molecular weight	1E-06	1E-07	HQ ≤ 1	1E-05	3E-06	HQ ≤ 1	2E-04	4E-05	HQ ≤ 1
Polychlorinated Biphenyls									
Total PCBs	6E-04	4E-05	HQ ≤ 1	6E-05	2E-05	HQ ≤ 1	2E-04	6E-05	HQ ≤ 1
Dioxins									
TEQ Avian	2E-03	2E-04	HQ ≤ 1	--	--	--	--	--	--
TEQ Mammals	--	--	--	2E-02	2E-03	HQ ≤ 1	9E-03	9E-04	HQ ≤ 1

Notes:

[a] WOE Result is risk conclusion based on 1.) HQ/LOAEL HQ using depth-weighted EPCs, and 2.) supporting LOE. Area-weighted EPCs were not evaluated for this exposure area.

NOAEL HQ greater than 1

LOAEL HQ greater than 1

LOAEL HQ greater than 10

LOAEL HQ greater than 100

Table BCW+AOC4-6.1
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs) for BCW+AOC4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Abbreviations:
-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BCW = Bat Cave Wash
HQ = hazard quotient
LOE = line of evidence
LOAEL = lowest observed adverse effect level
ND = not detected
NOAEL = no-observed adverse effect level
no SL = no screening level available
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyl
TEQ = toxic equivalent
WOE = weight of evidence, considering multiple LOE. If LOAEL HQs > 1, WOE Result is either 1) not expected, 2) unlikely, or 3) possible.

Table BCW+AOC4-6.2
Risk Conclusions and Lines of Evidence Summary for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

AOC	Receptor	COPEC[a]	Area-Weighted HQs		Additional Lines of Evidence[c]										Risk Conclusions		Risk Driver (LOAEL HQ > 1 and Supporting LOE)[g]
			Mammal/ Bird					Background HQs[d]									
			NOAEL	LOAEL	Low FOD (Max = EPC)[b]	Locations > BTV	Locations > 10xBTV	NOAEL	LOAEL	BAFs	Quality of SL or TRV	Exposure Assumptions[e]	Observation of T&E species[f]	Other LOE	Individuals	Populations	
Large Home Range Receptors																	
BCW + AOC 4	Desert kit fox	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No
	Nelson's Desert Bighorn Sheep	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No
	Red-tailed hawk	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No

Notes:
a COPECs are presented for HQs greater than 1 based on the depth-weighted EPC and/or area-weighted EPC and species and site-specific SUF.
b The EPC is based on the maximum depth-weighted concentration due to the small dataset size.
c The additional lines of evidence for COPECs with NOAEL and LOAEL HQs less than or equal to 1 (based on the area-weighted EPC and species and site-specific SUF) are not included in the table.
d For plants and s LOAEL and NOAEL HQs ≤ 1 for the receptor
e Applicable to wildlife, unless noted.
f In areas where observations were noted, the T&E species observed have large home ranges and unlikely to forage in upland habitat. See text for details.
g For dioxin TEQ, LOAEL HQs less than 10 with supporting LOE were considered unlikely to pose an unacceptable risk to populations of wildlife receptors due to the compounded conservative assumptions included in the ecological risk assessment. See Section 6.7.6 of the main report.
h Depth-weighted EPC resulted in an HQ or NOAEL-based HQ less than 1, and is less than the area-weighted HQ or NOAEL-based HQ.
i Although a BTV is not available, concentrations were at or below the reporting limit except for the number of locations noted.

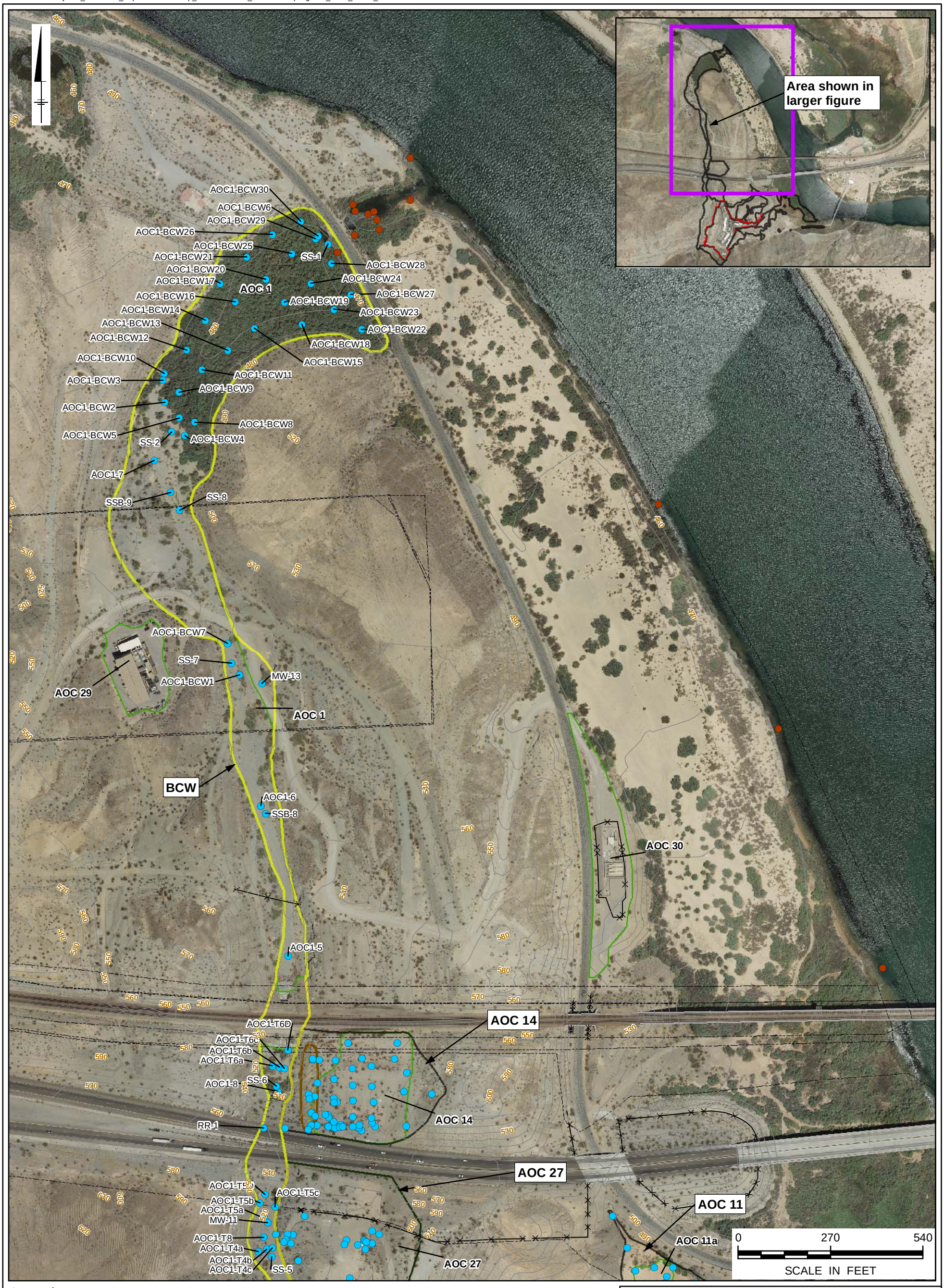
LOAEL and NOAEL HQs ≤ 1 for the receptor

Abbreviations:

"--" = not applicable
AOC = area of concern
BAF = bioaccumulation factor
BG NA = background value not available
BTV = background threshold value
COPEC = constituent of potential ecological concern
EPC = exposure point concentration
FOD = frequency of detection
HQ = hazard quotient
LOAEL = lowest observed adverse effect limit
LOE = line of evidence
MDC = maximum depth-weighted concentration
NC = not calculated
NOAEL = no observed adverse effect limit
SL = screening level
SWMU 1 = solid waste management unit 1
T&E = threatened and endangered
TCS-4= Topock Compressor Station Well #4
TEQ = toxic equivalent
TRV = toxicity reference value

FIGURES

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Legend:

- Soil Sampling Location
- Sediment Sampling Location
- Area of Concern
- Bat Cave Wash (BCW) +AOC 4 Exposure Area
- Exposure Area
- Solid Waste Management Unit
- Potential Burning Related Location
- Fencing
- Property Boundaries
- Contour Line (10 feet interval)
- Inside the Topock Compressor Station boundary, as defined by current fenceline
- BCW — Label for Exposure Area
- AOC 27 — Label for Area of Concern

Notes:

1. All sample locations with a labeled location ID are included in the BCW and AOC 4 exposure area.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

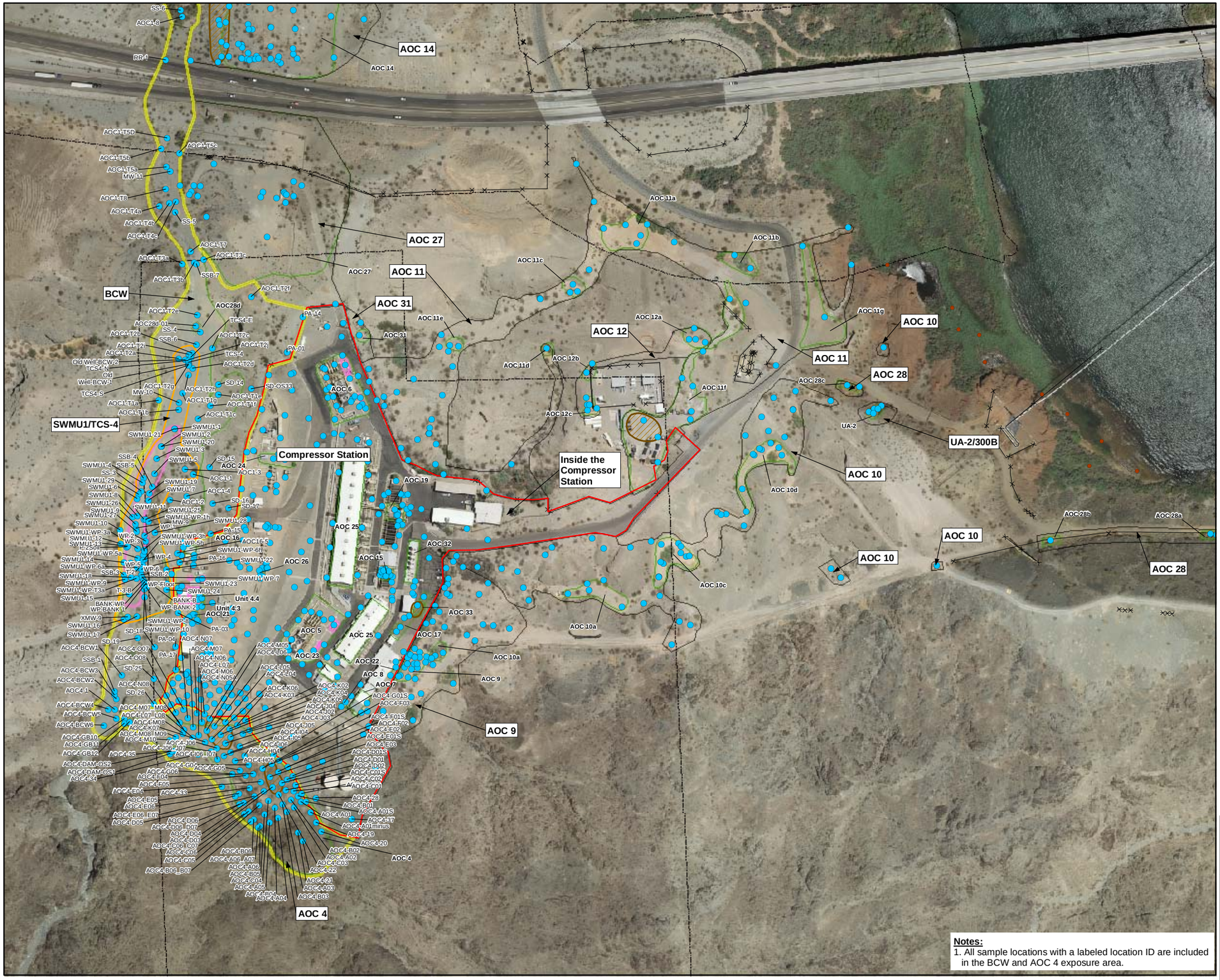
SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

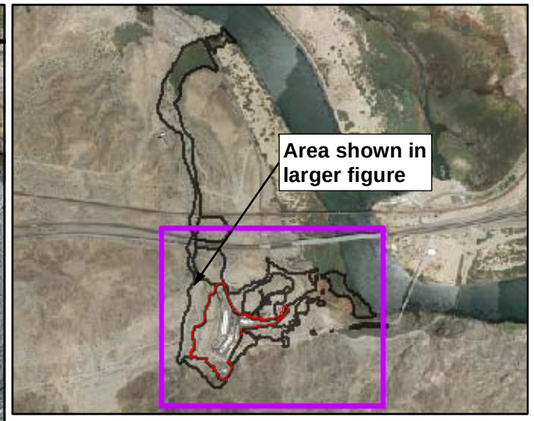
SOIL SAMPLING LOCATIONS BCW AND AOC4 EXPOSURE AREA - NORTH

ARCADIS Design & Consultancy for natural and built assets

FIGURE
BCW+AOC4 1.1a

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Legend:

- Soil Sampling Location
- Sediment Sampling Location
- Area of Concern
- Solid Waste Management Unit
- Potential Burning Related Location
- Bat Cave Wash (BCW) +AOC 4 Exposure Area
- SWMU1 Exposure Area
- Exposure Area
- Property Boundaries
- Fencing
- Inside the Topock Compressor Station boundary, as defined by current fenceline

BCW — Label for Exposure Area

AOC 28 — Label for Area of Concern

0 240 480

SCALE IN FEET

Notes:
1. All sample locations with a labeled location ID are included in the BCW and AOC 4 exposure area.

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA
SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

SOIL SAMPLING LOCATIONS BCW AND AOC4 EXPOSURE AREA - SOUTH

ARCADIS Design & Consultancy for natural and built assets

FIGURE
BCW+AOC4 1.1b

ATTACHMENT A

Dataset and Exposure Point Concentration Calculations for the BCW and AOC 4 ERA

Attachment BCW+AOC4-A
Dataset and Exposure Point Concentration Calculations for the BCW+AOC4 HHERA

Attachment BCW+AOC4-A1

Table BCW+AOC4-A1	Dataset for BCW and AOC 4 HHERA

Attachment BCW+AOC4-A2 (Tables provided separately as excel files)

Table BCW+AOC4-A2	Depth-Weighting Files: Input Samples for AOC1+AOC4Upland_Baseline_0-005
Table BCW+AOC4-A2	Depth-Weighting Files: Input Samples for AOC1+AOC4Upland_Baseline_0-005_PAH update
Table BCW+AOC4-A2	Depth-Weighting Files: Input Samples for AOC1+AOC4Upland_Baseline_0-03
Table BCW+AOC4-A2	Depth-Weighting Files: Input Samples for AOC1+AOC4Upland_Baseline_0-03_PAH update
Table BCW+AOC4-A2	Depth-Weighting Files: Input Samples for AOC1+AOC4Upland_Baseline_0-06
Table BCW+AOC4-A2	Depth-Weighting Files: Input Samples for AOC1+AOC4Upland_Baseline_0-06_PAH update
Table BCW+AOC4-A2	ProUCL Input Files: AOC1+AOC4_PAHupdate_ProUCLinput
Table BCW+AOC4-A2	ProUCL Input Files: AOC1+AOC4Upland_0-005_forProUCL
Table BCW+AOC4-A2	ProUCL Input Files: AOC1+AOC4Upland_0-03_forProUCL
Table BCW+AOC4-A2	ProUCL Input Files: AOC1+AOC4Upland_0-06_forProUCL
Table BCW+AOC4-A2	ProUCL Output Files: AOC1+AOC4Upland_0-005_UCL
Table BCW+AOC4-A2	ProUCL Output Files: AOC1+AOC4Upland_0-03_UCL
Table BCW+AOC4-A2	ProUCL Output Files: AOC1+AOC4Upland_0-06_UCL
Table BCW+AOC4-A2	ProUCL Output Files: AOC1+AOC4_PAH update

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163	AOC1-2-164	AOC1-2-165
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	19	29	14	0	2	5	9	14	19	20	29
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
SAMPLE TYPE						Field Duplicate										Field Duplicate	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	41	1.3 U	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	4.2 J	0.32 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	0.66 U	0.17 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.41 U	0.11 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	0.68 U	0.093 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	1.5 J	0.15 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.45 U	0.095 U	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	1.4 U	0.064 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.4 U	0.057 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	1.1 J	0.15 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.23 U	0.29 J	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	5.3 U	0.11 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.16 U	0.057 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	0.08 U	0.046 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	0.14 U	0.053 U	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	300	21 J	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	8.1 J	0.83 U	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	1.5	0.17	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	1.9	0.15	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	1.9	0.15	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.1	9.5	8.5	9	9.1	9.7	8.6	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2.1 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	3.5	2.5	2.3	1.5	--	1.1	1.5	1.8	2.2	1.7	1.7	1 U	1 U	1.5	1.4	1.1
Barium	mg/kg	93	120	130	99	--	100	100	130	110	180	130	74	92	73	84	94
Beryllium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	12	4.1	0.2 U	0.2 U	--	0.2 U	0.21 U	0.2 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	410	290	15	17	19	18	16	--	20	18 J	19	18	13	16 J	13 J	15
Cobalt	mg/kg	6.8	7.6	7	7.7	--	8.7	9.5	9	7.9	8	8.7	6.7	7.9	7.8	7.6	7.8
Copper	mg/kg	14	14	9	9.6	12	9	12	--	9.1	9.1	11	6.3	8.1	7.7	8	7.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.4	4.5	2.6	2.1	1.9	1.3	2.3	--	4.2	1.9	1.8	1	1	1.5	1.3	1.2
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	11	13	10	11	--	13	12	15 J	15	12	13	13	8.5	12 J	9.4 J	11
Selenium	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	31	35	31	36	35	36	36	--	35	31	32	25	35	30	33	31
Zinc	mg/kg	74	74	34	35	--	39	41	36	38	36	36	28	34	35	36	31
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163	AOC1-2-164	AOC1-2-165
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	19	29	14	0	2	5	9	14	19	20	29
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
SAMPLE TYPE						Field Duplicate										Field Duplicate	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	34 U	--	--	--	--	--	--	34 U	33 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	19 =	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	27.5	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	6.7	5.9 U	5.9 U	5.8 U	--	5.9 U	5.9 U	5.9 U	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	9.3	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163	AOC1-2-164	AOC1-2-165
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	19	29	14	0	2	5	9	14	19	20	29
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
SAMPLE TYPE						Field Duplicate										Field Duplicate	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	9.3	0	0	0	--	0	0	0	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	0	--	0	0	0	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.2 U	5.1 U	5.1 U	5 U	--	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163	AOC1-2-164	AOC1-2-165
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	19	29	14	0	2	5	9	14	19	20	29
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
SAMPLE TYPE						Field Duplicate										Field Duplicate	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-1	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2	AOC1-2
	SAMPLE	AOC1-1-150	AOC1-1-151	AOC1-1-152	AOC1-1-153	AOC1-1-155	AOC1-1-156	AOC1-1-157	AOC1-1-154	AOC1-2-158	AOC1-2-159	AOC1-2-160	AOC1-2-161	AOC1-2-162	AOC1-2-163	AOC1-2-164	AOC1-2-165
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/24/2016	1/24/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	19	29	14	0	2	5	9	14	19	20	29
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	20	30	15	0.5	3	6	10	15	20	30	30
SAMPLE TYPE						Field Duplicate										Field Duplicate	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-4	AOC1-4	AOC1-4
	SAMPLE	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181
	DATE	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016	1/25/2016	1/23/2016	1/23/2016	1/23/2016
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
SAMPLE TYPE														Field Duplicate			
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	6200 J	3600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	670 J	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	62 J	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	40 U	18 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	35 U	15 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	230 J	120	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	35 U	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	37 J	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	3.4 U	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	140 J	76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	47 U	3.3 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	3100 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	15 J	11 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.47 U	0.33 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	3.4 U	0.95 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	45000 J	33000 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	730 J	480	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	250	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	330	180	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	330	180	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9	9.5	10	8.6	8.5	8.8	9.9	10	9.8	9.9	9.9	9.9	--	9.2	9.2	9.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U
Arsenic	mg/kg	3	2.4	1.2	1.3	1.8	1.5	1.3	2.7	2.8	4	2.2	2.4	--	1.9	2	1.8
Barium	mg/kg	100	110	130	97	110	120	66	40	42	42	64	86	--	82	110	84
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	14	3.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U	--	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	410	210	24	13	--	19	15	22	23	39	20	17	19	13	19	14
Cobalt	mg/kg	7.9	8.6	8.6	7.5	--	9.5	7.5	9.7	11	10	8.9	7.1	8.3	6.7	7.7	6.8
Copper	mg/kg	13	11	14	7.7	10	11	11	10	14	14	19	13	--	7	8.7	10
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.7	3.3	1.5	1.4	1.4	1.6	2.2	1.7	2.3	2.2	1.5	1.3	--	1.9	3	2.9
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U	--	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	14	14	12	8.9	--	14	11	18	19	23	15	13	13	9	13	9.5
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U
Vanadium	mg/kg	37	36	37	33	38	42	34	35	45	45	35	29	--	26	32	30
Zinc	mg/kg	90	60	39	32	--	38	34	39	42	42	38	31	43	35	30	31
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-4	AOC1-4	AOC1-4
	SAMPLE	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181
	DATE	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016	1/25/2016	1/23/2016	1/23/2016	1/23/2016
	SAMPLE TOP DEPTH (FT)	0	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1221	ug/kg	34 U	34 U	--	--	--	--	--	--	--	--	--	--	--	34 U	33 U	--
Aroclor 1232	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1242	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1248	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1254	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1260	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Anthracene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	5.8 U	5.8 U	5.9 U	5.8 U	5.9 U	6.2 U	6.1 U	6.1 U	6.1 U	6 U	--	6.6	5.9 U	58 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	9.9	5.1 U	50 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Chrysene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Fluoranthene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Fluorene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Naphthalene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-4	AOC1-4	AOC1-4
	SAMPLE	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181
	DATE	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016	1/25/2016	1/23/2016	1/23/2016	1/23/2016
	SAMPLE TOP DEPTH (FT)	0	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	9.9	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Pyrene	ug/kg	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5.1 U	5.4 U	5.3 U	5.3 U	5.3 U	5.2 U	--	5.1 U	5.1 U	50 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-4	AOC1-4	AOC1-4
	SAMPLE	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181
	DATE	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016	1/25/2016	1/23/2016	1/23/2016	1/23/2016
	SAMPLE TOP DEPTH (FT)	0	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-3	AOC1-4	AOC1-4	AOC1-4
	SAMPLE	AOC1-3-166	AOC1-3-167	AOC1-3-168	AOC1-3-169	AOC1-3-170	AOC1-3-172	AOC1-3-173	AOC1-3-174	AOC1-3-175	AOC1-3-176	AOC1-3-177	AOC1-3-178	AOC1-3-171	AOC1-4-179	AOC1-4-180	AOC1-4-181
	DATE	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/26/2016	1/25/2016	1/23/2016	1/23/2016	1/23/2016
	SAMPLE TOP DEPTH (FT)	0	2	5	9	14	19	29	39	49	59	69	79	14	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	15	20	30	40	50	60	70	80	15	0.5	3	6
	SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5
	SAMPLE	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC1-5-365	AOC1-5-366	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017
SAMPLE TOP DEPTH (FT)		9	14	19	29	19	0	2	5	9	14	0	2	5	9	14	0
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	120	6.5 J	280	8.1 J	1.8 J	440	77	8.9 U	3.5 U	3.5 J	820 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	9.5 U	0.2 U	45	1.6 U	0.13 U	42	10 U	1.1 U	0.37 U	0.34 U	54
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	0.37 U	0.11 U	1.3 J	0.29 U	0.3 U	1.6 U	0.49 U	0.12 U	0.052 U	0.11 U	3.8 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	0.44 U	0.053 U	1.2 U	0.14 U	0.067 U	1.3 U	0.51 U	0.13 U	0.092 U	0.14 U	9 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	1.4 U	0.24 U	2.5 U	1.1 U	0.39 U	4.5 U	0.72 U	0.24 U	0.38 U	0.13 U	5.9 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	0.47 U	0.17 U	0.22 U	0.19 U	0.09 U	12 J	2.4 J	0.14 U	0.051 U	0.11 U	26
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	0.58 U	0.048 U	1.7 U	0.13 U	0.061 U	2.8 U	0.46 U	0.32 U	0.084 U	0.097 U	3.1 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	0.47 U	0.07 U	0.49 U	0.14 U	0.064 U	1 U	0.19 U	0.06 U	0.098 U	0.21 U	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	0.11 U	0.064 U	0.24 U	0.11 U	0.043 U	0.52 U	0.39 U	0.051 U	0.11 U	0.047 U	0.23 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	1.6 U	0.16 U	2.2 U	1.1 U	0.27 J	5.1 J	0.79 U	0.28 U	0.05 U	0.11 U	8.4 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	0.25 U	0.063 U	0.52 U	0.56 U	0.079 U	1.6 U	0.6 U	0.15 U	0.11 U	0.13 U	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	6 U	0.2 U	53 U	0.77 J	0.069 U	110 U	20 U	1.2 J	0.095 U	0.31 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	0.12 U	0.067 U	0.25 U	0.11 U	0.046 U	0.55 U	0.41 U	0.053 U	0.11 U	0.049 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	0.087 U	0.071 U	0.077 U	0.071 U	0.12 U	0.18 U	0.092 U	0.044 U	0.069 U	0.067 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	0.098 U	0.1 U	0.12 U	0.27 U	0.18 U	0.25 U	0.13 U	0.039 U	0.063 U	0.048 U	0.16 U
OCDD	ng/kg	--	--	--	--	--	1300	44 U	4200	83	9.2 U	4500	750	75 U	41 U	30 U	6800 J
OCDF	ng/kg	--	--	--	--	--	28	1.3 U	280	4.4 U	0.73 U	94	26	1.5 U	1.5 U	1.6 U	--
TEQ Avian	ng/kg	--	--	--	--	--	1.2	0.2	4.7	0.51	0.26	8.8	1.8	0.28	0.21 U	0.24	26
TEQ Human	ng/kg	--	--	--	--	--	2.4	0.2	8	0.45	0.19	14	2.7	0.3	0.16 U	0.24	36
TEQ Mammals	ng/kg	--	--	--	--	--	2.4	0.2	8	0.45	0.19	14	2.7	0.3	0.16 U	0.24	36
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.6	9.5	9.7	8.9	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	1.8	1.8	1.6	2.5	--	1.3	1.6	1.4	1 U	1.7	1.8	1.1	1.3	2.1	2.8	--
Barium	mg/kg	90	95	--	1400	110 J	65	76	77	110	51	69	60	92	50	52	130
Beryllium	mg/kg	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1.4
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.2 U	0.21 U	--	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22	0.21 U	0.21 U	0.21 U	0.21 U	--
Chromium, total	mg/kg	14	35	--	16	21	14	24	19	13	18	23	17	14	21	23	28 J
Cobalt	mg/kg	7	7.6	--	8.1	9.9	7.2	8.8	7.6	7.2	8.4	8.4	7.1	8.3	9.9	9.4	--
Copper	mg/kg	9.3	9.1	--	7.9	11	7.3	8.7	7.9	9.5	8.3	11	6.7	8.8	8.3	7.3	18 J
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.2	2	--	2.2	1.3	1.5	1 U	2.1	1 U	1.9	2.9	1.2	1 U	1.5	1.6	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 UJ	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	11	14	--	14	15	9.7	12	10	8.6	13	11	9.4	9.4	13	17	9.8 J
Selenium	mg/kg	1 U	1 U	1 U	1.1 U	--	1 UJ	1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Silver	mg/kg	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ
Vanadium	mg/kg	31	33	--	32	39	28	42	27	29	29	30	25	29	36	32	--
Zinc	mg/kg	33	35	--	39	43 J	26	32	45	28	34	34	27	30	35	38	46 J
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6900
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.21 U
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15000 J

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5
	SAMPLE	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC1-5-365	AOC1-5-366	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017
SAMPLE TOP DEPTH (FT)		9	14	19	29	19	0	2	5	9	14	0	2	5	9	14	0
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5400
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2100
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2700
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 UJ
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	440
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	466
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Acenaphthene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Acenaphthylene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Anthracene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.8 U	6.1 U	--	--	--	--	--	--	--	--	--	--	--	76
Benzo (a) anthracene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	72 J
Benzo (a) pyrene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	52 J
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	31
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	57 J
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Fluoranthene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5
	SAMPLE	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC1-5-365	AOC1-5-366	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017
SAMPLE TOP DEPTH (FT)		9	14	19	29	19	0	2	5	9	14	0	2	5	9	14	0
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	--	--	--	--	--	--	--	--	--	--	--	577
PAH Low molecular weight	ug/kg	0	0	0	0	--	--	--	--	--	--	--	--	--	--	--	29
Phenanthrene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5 U	5 U	5 U	5.3 U	--	--	--	--	--	--	--	--	--	--	--	94 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	730 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	730 U
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	730 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	730 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	730 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	730 U
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5
	SAMPLE	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC1-5-365	AOC1-5-366	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017
SAMPLE TOP DEPTH (FT)		9	14	19	29	19	0	2	5	9	14	0	2	5	9	14	0
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90 U
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	180 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	680 U
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 UJ
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-4	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-5	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC1-6	AOC16-5
	SAMPLE	AOC1-4-182	AOC1-4-183	AOC1-4-184	AOC1-4-186	AOC1-4-185	AOC1-5-365	AOC1-5-366	AOC1-5-367	AOC1-5-368	AOC1-5-369	AOC1-6-370	AOC1-6-371	AOC1-6-372	AOC1-6-373	AOC1-6-374	AOC16-5-19008
	DATE	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/23/2016	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	2/20/2017
SAMPLE TOP DEPTH (FT)		9	14	19	29	19	0	2	5	9	14	0	2	5	9	14	0
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	20	0.5	3	6	10	15	0.5	3	6	10	15	0.5
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10
	SAMPLE	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191
	DATE	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016
	SAMPLE TOP DEPTH (FT)	2	0	0	2	5	9	14	2	0	2	0	2	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	SAMPLE TYPE		Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	7.9 U	--	480	97 J	4 J	0.27 U	1.1 J	--	130	200	--	--	5100	670	17	0.88 U
1,2,3,4,6,7,8-HpCDF	ng/kg	0.57 U	--	38 J	9.8 J	1.3 U	0.42 U	0.11 U	--	18	1.5 U	--	--	240 U	0.21 U	0.091 U	--
1,2,3,4,7,8-HxCDD	ng/kg	0.069 U	--	1.4 J	0.64 U	0.32 U	0.19 U	0.068 U	--	1.2 U	2 U	--	--	7.1 U	3.5 J	0.2 U	0.046 U
1,2,3,4,7,8-HxCDF	ng/kg	0.081 U	--	1.8 J	0.45 U	0.11 U	0.28 U	0.032 U	--	0.54 U	1.9 U	--	--	1.1 U	0.21 U	0.16 U	0.052 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.18 U	--	0.85 U	0.79 U	1.2 J	0.59 U	0.33 U	--	1.9 U	1.8 U	--	--	27	4 U	0.12 U	0.067 U
1,2,3,6,7,8-HxCDD	ng/kg	0.34 U	--	7.7 J	--	0.061 U	0.083 U	0.067 U	5 J	5.4 J	8.5 J	--	--	88	17	0.78 J	0.036 U
1,2,3,6,7,8-HxCDF	ng/kg	0.078 U	--	1.8 U	0.41 U	0.099 U	0.07 U	0.03 U	--	1.9 J	1.6 U	--	--	45 U	7.7 U	1.5 U	0.048 U
1,2,3,7,8-PeCDD	ng/kg	0.065 U	1.3 U	0.8 U	--	0.36 U	0.048 U	0.079 U	0.28 U	0.84 U	0.95 U	--	--	4.2 U	1 U	0.16 U	0.052 U
1,2,3,7,8-PeCDF	ng/kg	0.047 U	--	0.13 U	0.14 U	0.2 U	0.1 U	0.059 U	--	0.35 U	0.97 U	--	--	0.58 U	1.1 U	1.5 U	0.062 U
1,2,3,7,8,9-HxCDD	ng/kg	0.11 U	--	0.29 U	1.6 J	0.63 U	0.24 U	0.066 U	--	2.9 J	5.1 J	--	--	23	7 J	0.19 U	0.034 U
1,2,3,7,8,9-HxCDF	ng/kg	0.094 U	1.3 J	0.8 U	--	0.41 U	0.53 U	0.038 U	0.43 U	4.4 U	2.1 U	--	--	1.3 U	1.6 J	0.24 U	0.061 U
2,3,4,6,7,8-HxCDF	ng/kg	5.9 U	260 U	61 U	30 U	0.84 J	0.079 U	0.26 U	--	41 U	78 U	--	--	570 U	110 U	0.27 U	0.21 U
2,3,4,7,8-PeCDF	ng/kg	0.049 U	2.1 U	0.65 U	0.14 U	0.16 U	0.056 U	0.062 U	--	0.26 U	0.98 U	--	--	5.1 J	1.2 U	1.6 U	0.067 U
2,3,7,8-TCDD	ng/kg	0.031 U	0.075 U	0.33 U	0.073 U	0.068 U	0.055 U	0.096 U	--	0.19 U	0.3 U	--	--	0.4 U	0.08 U	0.045 U	0.025 U
2,3,7,8-TCDF	ng/kg	0.036 U	--	0.38 J	--	0.24 U	0.077 U	0.12 U	0.11 U	0.35 U	0.44 U	--	--	2.3 J	0.077 U	0.069 U	0.1 J
OCDD	ng/kg	66 U	--	5100	980 J	51	17 J	12 J	--	1200	1800	--	--	42000	6700	130	--
OCDF	ng/kg	0.91 U	45	130 J	--	2.5 J	1.2 U	0.66 U	69	41	64	--	--	1700	120	2.2 J	0.047 U
TEQ Avian	ng/kg	0.42 U	--	6.2	--	0.61	0.2	0.21	3.4	4.1	6.6	--	--	55	9.7	1.2	--
TEQ Human	ng/kg	0.44 U	--	12	--	0.49	0.15	0.15	5.8	5.8	9	--	--	110	18	0.79	--
TEQ Mammals	ng/kg	0.44 U	--	12	--	0.49	0.15	0.15	5.8	5.8	9	--	--	110	18	0.79	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	8.21	9.02	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.4 U	2 U	2 U	2.1 U	2.1 U	2 U	--
Arsenic	mg/kg	1.3	1.7	1.6 J	--	1.6	1.9	1.9	1.7	2.2	2.4	4.3	8.4	3.6	3.4	1.7	--
Barium	mg/kg	84	--	56	--	51	86	61	62	110	130	160	160	190	190	100	160
Beryllium	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	1.1	--	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.61	0.21 U	--	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.24	0.4 U	0.4 U	0.21 U	0.42	0.2 U	--
Chromium, total	mg/kg	13	--	14	--	18	25	22	20	26	16	23	25	52	66	17	--
Cobalt	mg/kg	7.6	8.1 J	6.4	--	9.3	11	10	9.5	6.1	5.8	6.4	9.4	8.5	8.8	7.8	--
Copper	mg/kg	28	--	9.4	--	6.3	8.8	9.2	9	12	10	11	15	16	15	9.5	8.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.3	3.9 J	1.6	--	1.1	1.6	1.3	1.9	4.1	12	7.5	2	11	11	1.1	1.9
Mercury	mg/kg	0.1 U	0.12	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	12	--	9.3 J	--	12	16	15	13	9.9	7.3	11	19	14	14	11	--
Selenium	mg/kg	1 UJ	--	1 UJ	--	1 U	1 U	1 U	1 U	1.1 UJ	1.2 UJ	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.2 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	2.1 UJ	--	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.4 UJ	2 U	2 U	2.1 U	2.1 U	2 U	--
Vanadium	mg/kg	22	25 J	21	--	33	38	36	34	22	24	26	40	33	32	30	41
Zinc	mg/kg	25	--	28 J	--	35	42	38	35	41	40	44	28	65	63	35	--
Metals CLP																	
Aluminum	mg/kg	--	--	6500	--	--	--	--	--	7600	--	8100	--	--	--	--	--
Calcium	mg/kg	--	--	9100	--	--	--	--	--	18000	--	21000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Iron	mg/kg	--	--	29000	--	--	--	--	--	15000	--	14000	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10
	SAMPLE	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191
	DATE	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016
	SAMPLE TOP DEPTH (FT)	2	0	0	2	5	9	14	2	0	2	0	2	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	SAMPLE TYPE		Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	4700	--	--	--	--	--	5700	--	6400	--	--	--	--	--
Manganese	mg/kg	--	--	180 J	--	--	--	--	--	210	--	260	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1300	--	--	--	--	--	2800	--	2800	--	--	--	--	--
Sodium	mg/kg	--	--	150	--	--	--	--	--	180	--	300	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
4,4-DDE	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
4,4-DDT	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
Dieldrin	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
Endo sulfan II	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
Endosulfan sulfate	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
Endrin	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
Endrin aldehyde	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	2.1 U	2.1 U	2 U	--
Endrin ketone	ug/kg	--	--	2.1 U	--	--	--	--	--	2.1 U	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	1.1 U	--	1 U	--	1 U	1 U	1 U	--
Methoxy chlor	ug/kg	--	--	5.2 U	--	--	--	--	--	5.3 U	--	5 U	--	5.2 U	5.1 U	5.1 U	--
Toxaphene	ug/kg	--	--	52 U	--	--	--	--	--	53 U	--	50 U	--	52 U	51 U	51 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	17 U	--	17 U	17 U	17 U	17 U	--	--	17 U	17 UJ	17 U	17 U	17 U	--
Aroclor 1221	ug/kg	34 U	--	34 U	34 U	34 U	34 U	35 U	--	--	--	33 U	33 UJ	34 U	34 U	34 U	--
Aroclor 1232	ug/kg	17 U	--	17 U	--	17 U	17 U	17 U	17 U	--	--	17 U	17 UJ	17 U	17 U	17 U	--
Aroclor 1242	ug/kg	17 UJ	--	17 UJ	--	17 UJ	17 UJ	17 UJ	17 UJ	--	--	17 U	17 UJ	17 U	17 U	17 U	--
Aroclor 1248	ug/kg	17 U	--	17 UJ	--	17 UJ	17 UJ	17 UJ	17 UJ	--	--	17 U	17 UJ	17 U	17 U	17 U	--
Aroclor 1254	ug/kg	17 U	--	17 UJ	--	17 UJ	17 UJ	17 UJ	17 UJ	--	--	91	17 UJ	17 U	530	17 U	--
Aroclor 1260	ug/kg	17 U	--	17 U	--	17 U	17 U	17 U	17 U	--	--	17 U	17 UJ	17 U	160	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Total PCBs	ug/kg	34 U	--	17 U	--	17 U	17 U	17 U	17 U	--	--	99.5	17 U	17 U	690	17 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	--	--	--	--	--	--	--	--	--	5 U	5 U	--	--	--	--
2-Methyl naphthalene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	5 U	5 U	--	--	--	--
Acenaphthene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	5 U	5 U	--	--	--	--
Acenaphthylene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	5 U	5 U	--	--	--	--
Anthracene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	5 U	5 U	--	--	--	--
B(a)P Equivalent	ug/kg	5.9 U	--	390 U	--	--	--	--	--	400 U	--	16	5.8 U	--	--	--	--
Benzo (a) anthracene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	8.5	5 U	--	--	--	--
Benzo (a) pyrene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	11	5 U	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.1 U	28 J	340 U	--	--	--	--	--	350 U	--	9.4	5 U	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.1 U	--	340 UJ	--	--	--	--	--	350 U	--	10	5 U	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.1 U	7.9	340 U	--	--	--	--	--	350 U	--	10	5 U	--	--	--	--
Chrysene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	12	5 U	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	--	340 UJ	--	--	--	--	--	350 U	--	5 U	5 U	--	--	--	--
Fluoranthene	ug/kg	5.1 U	25 J	340 U	--	--	--	--	--	350 U	--	17	5 U	--	--	--	--
Fluorene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	5 U	5 U	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	9	340 UJ	--	--	--	--	--	350 U	--	7.8	5 U	--	--	--	--
Naphthalene	ug/kg	5.1 U	--	6.3 U	--	--	--	--	--	6.7 U	--	5 U	5 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10
	SAMPLE	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191
	DATE	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016
	SAMPLE TOP DEPTH (FT)	2	0	0	2	5	9	14	2	0	2	0	2	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	SAMPLE TYPE		Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	--	0	--	--	--	--	--	0	--	101	0	--	--	--	--
PAH Low molecular weight	ug/kg	0	--	0	--	--	--	--	--	0	--	6.2	0	--	--	--	--
Phenanthrene	ug/kg	5.1 U	5.9 J	340 U	--	--	--	--	--	350 U	--	6.2	5 U	--	--	--	--
Pyrene	ug/kg	5.1 U	--	340 U	--	--	--	--	--	350 U	--	15	5 U	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	720 U	--	--	--	--	--	750 U	--	700 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	720 U	--	--	--	--	--	750 U	--	700 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
2-Chlorophenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
2-Methylphenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
2-Nitroaniline	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1600 U	1600 U	--	--	--	--
2-Nitrophenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	720 U	--	--	--	--	--	750 U	--	700 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	330 U	330 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1600 U	1600 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
3-Nitroaniline	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1600 U	1600 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	680 U	--	--	--	--	--	700 U	--	330 U	330 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	680 U	--	--	--	--	--	700 U	--	660 U	670 U	--	--	--	--
4-Chloroaniline	ug/kg	--	--	680 U	--	--	--	--	--	700 U	--	330 U	330 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
4-Methylphenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
4-Nitroaniline	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1600 U	1600 U	--	--	--	--
4-Nitrophenol	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1600 U	1600 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1700 U	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	720 U	--	--	--	--	--	750 U	--	700 U	--	--	--	--	--
Atrazine	ug/kg	--	--	720 U	--	--	--	--	--	750 U	--	700 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	720 U	--	--	--	--	--	750 U	--	700 U	--	--	--	--	--
Benzoic acid	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1700 U	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	--	--	680 U	--	--	--	--	--	700 U	--	660 U	670 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Caprolactam	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	--	--	--	--	--
Carbazole	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Dibenzofuran	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Diethyl phthalate	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Hexachloroethane	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Pentachlorophenol	ug/kg	--	--	1700 U	--	--	--	--	--	1800 U	--	1600 U	1600 U	--	--	--	--
Phenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	12.6	10 U	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.2 U	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	31.8	10 U	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10
	SAMPLE	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191
	DATE	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016
	SAMPLE TOP DEPTH (FT)	2	0	0	2	5	9	14	2	0	2	0	2	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	SAMPLE TYPE		Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	330 U	5.2 U	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	330 U	5.2 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	330 U	5.2 U	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	330 U	5.2 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
2-Hexanone	ug/kg	--	--	63 U	--	--	--	--	--	67 U	--	--	52 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	1600 U	1600 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Acetone	ug/kg	--	--	63 U	--	--	--	--	--	67 U	--	--	52 U	--	--	--	--
Acrolein	ug/kg	--	--	130 U	--	--	--	--	--	130 UJ	--	--	100 U	--	--	--	--
Acrylonitrile	ug/kg	--	--	63 U	--	--	--	--	--	67 U	--	--	52 U	--	--	--	--
Benzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Bromobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Bromochloromethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Bromodichloromethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Bromoform	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Bromomethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Carbon disulfide	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Chloro methane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Chlorobenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Chloroethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Chloroform	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Cyclohexane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Dibromochloromethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Dibromomethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Ethyl- benzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	330 U	5.2 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	680 UJ	--	--	--	--	--	700 UJ	--	660 U	--	--	--	--	--
Isophorone	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
Isopropylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Methyl acetate	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	63 U	--	--	--	--	--	67 U	--	--	52 U	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	63 U	--	--	--	--	--	67 U	--	--	52 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC16-5	AOC16-5	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-7	AOC1-8	AOC1-8	AOC1-BCW1	AOC1-BCW1	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10	AOC1-BCW10
	SAMPLE	AOC16-5-19010	AOC16-5-19009	AOC1-7-375	AOC1-7-377	AOC1-7-378	AOC1-7-379	AOC1-7-380	AOC1-7-376	AOC1-8-381	AOC1-8-382	AOC1-BCW1-100	AOC1-BCW1-101	AOC1-BCW10-187	AOC1-BCW10-188	AOC1-BCW10-189	AOC1-BCW10-191
	DATE	2/20/2017	2/20/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/9/2017	1/5/2017	1/5/2017	9/20/2008	9/20/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016
	SAMPLE TOP DEPTH (FT)	2	0	0	2	5	9	14	2	0	2	0	2	0	2	5	9
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	0.5	3	6	10	15	3	0.5	3	0.5	3	0.5	3	6	10
	SAMPLE TYPE		Field Duplicate		Field Duplicate												Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Methylene chloride	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
N-Butylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
N-Propylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Nitrobenzene	ug/kg	--	--	340 U	--	--	--	--	--	350 U	--	330 U	330 U	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Styrene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Tetrachloroethene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Toluene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Trichloroethene	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Vinyl chloride	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Xylene, m,p-	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Xylene, o-	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--
Xylenes, total	ug/kg	--	--	6.3 U	--	--	--	--	--	6.7 U	--	--	5.2 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14
	SAMPLE	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	380	830	1800	2.2 U	1400	2900	--	--	550	8.3 J	1.8 U	2.3 U	530	47	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.38 J	1.3 U	1.9 U	110	0.055 U	160	410	--	--	36	0.39 U	0.21 J	0.2 U	51	6.2 J	--
1,2,3,4,7,8-HxCDD	ng/kg	--	1.9 J	4 J	7.8 J	0.13 U	13	3.3 U	--	--	2.6 J	0.29 U	0.14 J	0.074 U	3.8 J	0.39 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	2.8 U	2.3 U	2.1 U	0.15 U	7.7 U	45 U	--	--	5 J	0.21 U	0.066 U	0.098 U	3.1 J	0.24 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	1.6 U	8 U	12 J	0.07 U	11 U	41 U	--	--	5.4 J	0.19 U	0.079 U	0.093 U	2.8 U	0.46 U	--
1,2,3,6,7,8-HxCDD	ng/kg	--	8.6 J	25	50	0.13 U	41	70	--	--	16	0.088 U	0.1 U	0.22 U	0.4 U	1.5 J	--
1,2,3,6,7,8-HxCDF	ng/kg	--	4.9 U	19 U	4.6 J	0.14 U	6.8 U	40 U	--	--	10 U	0.22 U	0.084 U	0.091 U	1.5 J	0.21 U	--
1,2,3,7,8-PeCDD	ng/kg	--	0.35 U	2.4 U	3.8 U	0.1 U	4.4 J	2.9 U	--	--	0.3 U	0.13 U	0.072 U	0.18 U	1 U	0.075 U	--
1,2,3,7,8-PeCDF	ng/kg	--	0.19 U	0.53 U	1.4 U	0.06 U	7.5 U	23 U	--	--	0.26 U	0.07 U	0.1 U	0.069 U	1.6 U	0.11 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	3.7 J	9.3 J	18	0.15 U	15	15	--	--	5.4 U	0.23 U	0.055 U	0.069 U	7.4 J	0.78 J	--
1,2,3,7,8,9-HxCDF	ng/kg	--	1.1 U	2.7 U	2.4 U	0.18 U	8.7 U	51 U	--	--	0.78 U	0.25 U	0.35 U	0.12 U	3.7 U	2.3 U	--
2,3,4,6,7,8-HxCDF	ng/kg	--	58 U	2.4 U	340 U	0.76 U	380 U	670 U	--	--	140 U	1.9 U	0.072 U	0.6 U	1.1 J	8.9 U	--
2,3,4,7,8-PeCDF	ng/kg	--	0.21 U	2.7 J	1.6 U	0.065 U	5.8 J	23 U	--	--	2.1 J	0.075 U	0.11 U	0.074 U	1.6 U	0.12 U	--
2,3,7,8-TCDD	ng/kg	--	0.36 U	0.19 U	0.5 J	0.061 U	0.32 U	0.52 U	--	--	0.27 J	0.051 U	0.13 U	0.075 U	0.52 U	0.062 U	--
2,3,7,8-TCDF	ng/kg	--	0.36 U	0.96 U	1 J	0.16 U	2.5 J	0.84 U	--	--	0.9 J	0.047 U	0.26 J	0.25 J	0.9 J	0.3 U	--
OCDD	ng/kg	14 U	4700	9700	16000	13 U	15000	50000	--	--	5200	70	12 U	7.6 U	6600	680	--
OCDF	ng/kg	--	52	320 J	440	0.56 U	590	2300	--	--	260	0.96 U	0.4 U	0.26 U	120	14 J	--
TEQ Avian	ng/kg	0.22	5.4	9.1	29	0.27 U	41	70	--	--	14	0.32	0.46	0.47	6	1.1	--
TEQ Human	ng/kg	0.15	10	19	52	0.19 U	54	100	--	--	19	0.37	0.21	0.24	11	1.7	--
TEQ Mammals	ng/kg	0.15	10	19	52	0.19 U	54	100	--	--	19	0.37	0.21	0.24	11	1.7	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 UJ
Arsenic	mg/kg	2.6	4.4	2.5	3.3	2.1	4.3	4	2.5	2.1	3.7	2.4	3.4	2.5	2.5	2.5	1 U
Barium	mg/kg	--	180	180	210	91	200	190	110	92	190	190	73	140	150	110	88 J
Beryllium	mg/kg	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 UJ	0.36	0.5	0.22 U	0.23 U	0.8	0.21 U	0.21 U	0.21 U	0.22	0.22 U	0.22 U	0.21 U	0.23	0.21 U
Chromium, total	mg/kg	25 J	19	38	54	11	29	48	12	13	29	22	17	16	28	15	14
Cobalt	mg/kg	11	6.6	11	10	6.5	7.5	7.7	6.2	7.3	8	10	9.3	8.6	9.5	7.7	8
Copper	mg/kg	--	14	15	16	6	15	17	6.9	6.5	16	17	11	6.5	12	10	8.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	8.5	6.3	7.3	1.1 U	9.8	10	2	1.3	8.7	1.5	2	1.5	4.7	3.6	1.3
Mercury	mg/kg	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Nickel	mg/kg	16	12	17	18	7.3	13	13	8.3	8.2	14	14	14	11	14	11	9.6
Selenium	mg/kg	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 UJ
Silver	mg/kg	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	--	25	41	38	22	30	31	24	26	31	39	34	30	39	32	29
Zinc	mg/kg	49	54	54	62	27	74	58	30	29	62	44	39	35	49	34	34
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14
	SAMPLE	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
4,4-DDE	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
4,4-DDT	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
Aldrin	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
alpha-BHC	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
alpha-Chlordane	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
beta-BHC	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
delta-BHC	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
Dieldrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
Endo sulfan I	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
Endrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	2.1 U	2.1 U	2.3 U	2.2 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
gamma-Chlordane	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
Heptachlor	ug/kg	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
Heptachlor Epoxide	ug/kg	1.1 U	1.1 UJ	1 U	1 U	1.1 U	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--
Methoxy chlor	ug/kg	5.3 U	5.3 U	5.1 U	5.2 U	5.4 U	--	--	--	--	5.3 U	5.3 U	5.6 U	5.5 U	--	--	--
Toxaphene	ug/kg	53 U	53 U	51 U	52 U	54 U	--	--	--	--	53 U	53 U	56 U	55 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ	--	--	17 U	18 U	19 U	18 U	--	--	--
Aroclor 1221	ug/kg	35 U	35 U	34 U	34 U	36 U	37 UJ	37 UJ	--	--	35 U	35 U	37 U	37 U	--	--	--
Aroclor 1232	ug/kg	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ	--	--	17 U	18 U	19 U	18 U	--	--	--
Aroclor 1242	ug/kg	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ	--	--	17 U	18 U	19 U	18 U	--	--	--
Aroclor 1248	ug/kg	17 U	18 U	17 U	17 U	18 U	18 UJ	18 UJ	--	--	17 U	18 U	19 U	18 U	--	--	--
Aroclor 1254	ug/kg	17 U	18 U	17 U	17 U	18 U	33 J	18 UJ	--	--	17 U	18 U	19 U	18 U	--	--	--
Aroclor 1260	ug/kg	17 U	18 U	17 U	17 U	18 U	26 J	18 UJ	--	--	17 U	18 U	19 U	18 U	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	18 U	17 U	17 U	18 U	59	18 U	--	--	17 U	18 U	19 U	18 U	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	6.1	6.5 U	6.5 U	6.5 U	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	7.1 J	5.6 U	5.6 U	5.6 U	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14
	SAMPLE	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	7.1	0	0	0	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.3 U	5.6 U	5.6 U	5.6 U	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14
	SAMPLE	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW10	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW11	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW12	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW13	AOC1-BCW14	AOC1-BCW14	AOC1-BCW14
	SAMPLE	AOC1-BCW10-190	AOC1-BCW11-192	AOC1-BCW11-193	AOC1-BCW11-194	AOC1-BCW11-195	AOC1-BCW12-196	AOC1-BCW12-197	AOC1-BCW12-198	AOC1-BCW12-199	AOC1-BCW13-200	AOC1-BCW13-201	AOC1-BCW13-202	AOC1-BCW13-203	AOC1-BCW14-204	AOC1-BCW14-205	AOC1-BCW14-206
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18
	SAMPLE	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE																
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	580	300	26	1.9 U	15	2 J	--	--	1300	4.1 J	0.29 U
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	53 J	43	2.3 J	0.18 U	1.7 J	0.49 U	--	--	57 J	0.13 U	0.05 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	4.5 J	22	0.33 U	0.15 U	0.24 U	0.1 U	--	--	2.8 U	0.4 U	0.056 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	7.1 U	0.16 U	0.63 J	0.084 U	0.26 U	0.1 U	--	--	6.8 J	0.17 U	0.032 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	4.8 J	4.7 J	0.47 U	0.11 U	0.59 U	0.052 U	--	--	6.7 U	0.1 U	0.036 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	24 J	1.1 U	1.1 U	0.11 U	0.21 U	0.086 U	--	--	21	0.39 U	0.055 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	2 U	2 J	0.77 U	0.082 U	0.23 U	0.089 U	--	--	0.46 U	0.15 U	0.03 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	3.8 J	3.8 J	0.11 U	0.1 U	0.13 U	0.061 U	--	--	1.7 U	0.087 U	0.073 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	1.1 U	0.7 U	0.38 U	0.16 U	0.28 U	0.069 U	--	--	1.1 J	0.2 U	0.09 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	9.4 J	5 J	0.67 U	0.22 J	0.21 U	0.12 U	--	--	7.4 J	0.37 U	0.072 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	2.4 U	1.5 J	0.26 U	0.098 U	0.3 U	0.11 U	--	--	1.2 U	0.19 U	0.084 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	190 U	130 U	8.5 U	0.29 U	0.26 U	0.2 U	--	--	110 U	1.4 U	0.1 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	1.2 U	0.73 U	0.3 U	0.17 U	0.12 U	0.069 U	--	--	0.8 U	0.22 U	0.097 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	0.48 U	0.34 J	4.8 U	0.1 U	0.06 U	0.051 U	--	--	0.21 U	0.053 U	0.076 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	0.3 U	0.46 U	0.39 J	0.15 U	0.17 U	0.091 U	--	--	0.49 U	0.22 U	0.3 U
OCDD	ng/kg	--	--	--	--	--	5400	3100	200	6.4 U	120 B	24 U	--	--	15000	9.5 U	0.66 U
OCDF	ng/kg	--	--	--	--	--	190 J	120	4.7 J	0.41 U	3 J	0.37 U	--	--	230 J	0.39 J	0.068 U
TEQ Avian	ng/kg	--	--	--	--	--	18	14	3.7	0.32	0.37	0.18	--	--	12	0.43	0.3 U
TEQ Human	ng/kg	--	--	--	--	--	26	18	3.5	0.21	0.42	0.14	--	--	29	0.31	0.13 U
TEQ Mammals	ng/kg	--	--	--	--	--	26	18	3.5	0.21	0.42	0.14	--	--	29	0.31	0.13 U
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.3 U	2.5 U	2.2 U	2.2 U	2.2 U	2.4 U	2.1 U	2.1 U	2.3 U	2.1 U	2.1 U	2.1 U	2.6 U	2.5 U	2.2 U
Arsenic	mg/kg	4.5	4.7	2.5	1.1 U	1.1 U	2.4	4.2	2.2	1.8	2.7	1.1 U	1.1 U	1.1 U	3.7	2.9	1.7
Barium	mg/kg	280	180	140	95	140	150	200	78	40	140	110	120	250	250	180	110
Beryllium	mg/kg	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U
Cadmium	mg/kg	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.23 U	0.54	0.22 U	0.22 U	0.22 U	0.36	0.21 U	0.21 U	0.23 U	0.21 U	0.21 U	0.21 U	0.26 U	0.25 U	0.22 U
Chromium, total	mg/kg	19	21	43	14	16	30	50	15	10	15	23	18	19	46	10	9.6
Cobalt	mg/kg	11	6.6	7	8.5	7.5	8.9	7.4	6.3	5.5	6.9	9.1	8.5	8.3	9.4	5.5	5.8
Copper	mg/kg	22	15	17	6.6	6.9	13	18	8.1	6.2	13	18	18	15	19	7	6.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.2	9.2	9.9	1.4	1.1 U	5.8	12	1.3	1.1 U	5.1	1.4	2	1.7	13	3.5	1.1 U
Mercury	mg/kg	0.11 U	0.12 U	0.13 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.13 U	0.12 U	0.11 U
Molybdenum	mg/kg	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U
Nickel	mg/kg	18	12	12	9.9	12	14	12	8.8	7.7	10	12	11	11	18	7.6	7.6
Selenium	mg/kg	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U
Silver	mg/kg	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U
Thallium	mg/kg	2.1 U	2.3 U	2.5 U	2.2 U	2.2 U	2.2 U	2.4 U	2.1 U	2.1 U	2.3 U	2.1 U	2.1 U	2.1 U	2.6 U	2.5 U	2.2 U
Vanadium	mg/kg	37	27	29	32	29	38	31	27	24	28	36	34	34	39	23	22
Zinc	mg/kg	29	52	49	39	37	46	51	28	22	36	41	38	39	68	30	28
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18
	SAMPLE	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
4,4-DDE	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
4,4-DDT	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
Aldrin	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
alpha-BHC	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
beta-BHC	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
delta-BHC	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
Dieldrin	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
Endo sulfan I	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
Endo sulfan II	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
Endrin	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	2.2 U	2.4 U	2.1 U	2.2 U	--	--	--	--	2.6 U	2.5 U	2.2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
Heptachlor	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	1.1 U	1.2 U	1.1 U	1.1 U	--	--	--	--	1.3 U	1.2 U	1.1 U
Methoxy chlor	ug/kg	--	--	--	--	--	5.5 U	6.1 U	5.3 U	5.4 U	--	--	--	--	6.6 U	6.2 U	5.5 U
Toxaphene	ug/kg	--	--	--	--	--	55 U	61 U	53 U	54 U	--	--	--	--	66 U	62 U	55 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Aroclor 1221	ug/kg	--	--	--	--	--	36 U	40 U	35 U	35 U	--	--	--	--	43 U	41 U	36 U
Aroclor 1232	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Aroclor 1242	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Aroclor 1248	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Aroclor 1254	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Aroclor 1260	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	18 U	20 U	17 U	18 U	--	--	--	--	22 U	20 U	18 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18
	SAMPLE	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18
	SAMPLE	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW14	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW15	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW16	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW17	AOC1-BCW18	AOC1-BCW18	AOC1-BCW18
	SAMPLE	AOC1-BCW14-207	AOC1-BCW15-208	AOC1-BCW15-209	AOC1-BCW15-210	AOC1-BCW15-211	AOC1-BCW16-212	AOC1-BCW16-213	AOC1-BCW16-214	AOC1-BCW16-215	AOC1-BCW17-216	AOC1-BCW17-217	AOC1-BCW17-218	AOC1-BCW17-219	AOC1-BCW18-220	AOC1-BCW18-221	AOC1-BCW18-222
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21
	SAMPLE	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE																
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.19 U	--	--	--	--	--	--	--	--	160	4.4 J	3.1 U	0.61 U	2000	12 J	1 U
1,2,3,4,6,7,8-HpCDF	ng/kg	0.028 U	--	--	--	--	--	--	--	--	0.2 U	0.13 U	0.088 U	0.084 U	9.8 U	0.086 U	0.04 U
1,2,3,4,7,8-HxCDD	ng/kg	0.06 U	--	--	--	--	--	--	--	--	1.3 J	0.17 U	0.17 U	0.04 U	5.2 J	0.13 U	0.047 U
1,2,3,4,7,8-HxCDF	ng/kg	0.034 U	--	--	--	--	--	--	--	--	0.24 U	0.056 U	0.075 U	0.064 U	14	0.12 U	0.067 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.036 U	--	--	--	--	--	--	--	--	1.2 J	0.16 U	0.068 U	0.038 U	12 U	0.11 U	0.05 U
1,2,3,6,7,8-HxCDD	ng/kg	0.049 U	--	--	--	--	--	--	--	--	6.1 J	0.039 U	0.069 U	0.05 U	44	0.13 U	0.046 U
1,2,3,6,7,8-HxCDF	ng/kg	0.031 U	--	--	--	--	--	--	--	--	3.1 U	0.052 U	0.069 U	0.059 U	23 U	0.11 U	0.057 U
1,2,3,7,8-PeCDD	ng/kg	0.058 U	--	--	--	--	--	--	--	--	0.26 U	0.074 U	0.054 U	0.097 U	4.6 J	0.12 U	0.073 U
1,2,3,7,8-PeCDF	ng/kg	0.062 U	--	--	--	--	--	--	--	--	0.32 U	0.086 U	0.1 U	0.085 U	0.2 U	0.075 U	0.08 U
1,2,3,7,8,9-HxCDD	ng/kg	0.1 U	--	--	--	--	--	--	--	--	2.7 J	0.037 U	0.14 U	0.047 U	16	0.12 U	0.044 U
1,2,3,7,8,9-HxCDF	ng/kg	0.04 U	--	--	--	--	--	--	--	--	0.28 U	0.065 U	0.087 U	0.075 U	3.8 J	0.14 U	0.078 U
2,3,4,6,7,8-HxCDF	ng/kg	0.035 U	--	--	--	--	--	--	--	--	42 U	1.5 U	1.1 U	0.2 U	5.5 J	0.12 U	0.43 U
2,3,4,7,8-PeCDF	ng/kg	0.067 U	--	--	--	--	--	--	--	--	0.34 U	0.1 U	0.11 U	0.091 U	3.5 J	0.081 U	0.086 U
2,3,7,8-TCDD	ng/kg	0.069 U	--	--	--	--	--	--	--	--	0.068 U	0.041 U	0.06 U	0.041 U	0.29 U	0.053 U	0.047 U
2,3,7,8-TCDF	ng/kg	0.2 U	--	--	--	--	--	--	--	--	0.064 U	0.11 U	0.15 J	0.14 U	0.48 U	0.14 U	0.1 U
OCDD	ng/kg	0.9 U	--	--	--	--	--	--	--	--	1600	21 U	13 U	2 U	20000	110	5.6 U
OCDF	ng/kg	0.052 U	--	--	--	--	--	--	--	--	35	0.41 U	0.31 J	0.031 U	440	3.1 J	0.17 U
TEQ Avian	ng/kg	0.21 U	--	--	--	--	--	--	--	--	3.4	0.26	0.35	0.21 U	18	0.26	0.19 U
TEQ Human	ng/kg	0.1 U	--	--	--	--	--	--	--	--	5.6	0.22	0.19	0.12 U	42	0.31	0.12 U
TEQ Mammals	ng/kg	0.1 U	--	--	--	--	--	--	--	--	5.6	0.22	0.19	0.12 U	42	0.31	0.12 U
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.85	8.35	8.72	8.68	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.3 UJ	2.1 U	2.1 U	2.2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	2.3 U	2.3 U	2.2 U	2.2 U
Arsenic	mg/kg	2.4	3.3	1.4	1 U	1.9	3.4	3.1	3.1	3.8	1 U	1.8	1.6	2.4	3.3	2.9	2
Barium	mg/kg	180	190	60	62	59	96	110	100	120	75	67	71	70	190	110	420
Beryllium	mg/kg	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	1.4	0.21 U	0.21 U	0.22 U	0.4 U	0.41 U	0.4 U	0.43 U	0.21 U	0.21 U	0.22 U	0.23 U	0.23 U	0.22 U	0.22 U
Chromium, total	mg/kg	17	58	12	15	12	21	34	35	20	20	14	12	22	42	22	15
Cobalt	mg/kg	8.4	8.5	7.1	8.2	7.1	6	7.1	7.1	8.7	8.7	7.3	7.1	11	8.6	10	7.2
Copper	mg/kg	6	15	6.9	6.9	7.7	7.6	9.2	8.8	8.1	8.2	7.4	8.7	17	17	9.7	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.5	11	1.4	1	1.1 U	3.7	18	4.4	3.8	2.2	1.6	1.4	2.9	13	3.2	1.6
Mercury	mg/kg	0.11 U	0.12 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Molybdenum	mg/kg	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1.5	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	11	15	8.2	11	8.6	10	12	12	14	12	9.9	8.9	15	15	12	11
Selenium	mg/kg	1.1 U	1.2 UJ	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	1.1 U	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	2.2 U	2.3 U	2.1 U	2.1 U	2.2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	2.3 U	2.3 U	2.2 U	2.2 U
Vanadium	mg/kg	33	34	26	32	31	23	30	28	38	35	34	29	43	36	38	29
Zinc	mg/kg	35	60	27	34	31	40	39	41	39	38	31	29	48	64	40	33
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21
	SAMPLE	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
4,4-DDE	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
4,4-DDT	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
Aldrin	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
alpha-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
alpha-Chlordane	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
beta-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
delta-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Dieldrin	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
Endo sulfan I	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Endo sulfan II	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
Endosulfan sulfate	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
Endrin	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
Endrin aldehyde	ug/kg	2.2 U	--	--	--	--	--	--	--	--	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
gamma-Chlordane	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Heptachlor	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Heptachlor Epoxide	ug/kg	1.1 U	--	--	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Methoxy chlor	ug/kg	5.6 U	--	--	--	--	--	--	--	--	5.3 U	5.3 U	5.6 U	5.7 U	5.7 U	5.5 U	5.5 U
Toxaphene	ug/kg	56 U	--	--	--	--	--	--	--	--	53 U	53 U	56 U	57 U	57 U	55 U	55 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Aroclor 1221	ug/kg	37 U	--	--	--	--	--	--	--	--	35 U	35 U	37 U	37 U	38 U	36 U	36 U
Aroclor 1232	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Aroclor 1242	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Aroclor 1248	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Aroclor 1254	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Aroclor 1260	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	18 U	--	--	--	--	--	--	--	--	17 U	17 U	19 U	19 U	19 U	18 U	18 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	5.8 U	15	5.8	6.1 U	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	5 U	7.9 J	5 U	5.3 U	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	5 U	10 J	5 U	5.3 U	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	5 U	9.7 J	5 U	5.3 U	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	5 U	7.7 J	5 U	5.3 U	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	5 U	11 J	5 U	5.3 U	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	5 U	10 J	5 U	5.3 U	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	5 U	19 J	8	5.3 U	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.3 U	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	5 U	7.3 J	5 U	5.3 U	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	4.9 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21
	SAMPLE	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	0	98.6	14.4	0	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	0	6.2	0	0	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	5 U	6.2 J	5 U	5.3 U	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	5 U	16 J	6.4	5.3 U	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	700 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1800 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1800 UJ	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	700 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	0.92 U	0.91 U	1 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	31 J	11.1 J	17.6 J	10 U	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21
	SAMPLE	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	330 U	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	57 U	53 U	49 U	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	110 U	110 U	97 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	57 U	53 U	49 U	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	330 U	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	57 U	53 U	49 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	57 U	53 U	49 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW18	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW19	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW2	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW20	AOC1-BCW21	AOC1-BCW21	AOC1-BCW21
	SAMPLE	AOC1-BCW18-223	AOC1-BCW19-224	AOC1-BCW19-225	AOC1-BCW19-226	AOC1-BCW19-227	AOC1-BCW2-104	AOC1-BCW2-105	AOC1-BCW2-106	AOC1-BCW2-107	AOC1-BCW20-228	AOC1-BCW20-229	AOC1-BCW20-230	AOC1-BCW20-231	AOC1-BCW21-232	AOC1-BCW21-233	AOC1-BCW21-234
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	330 U	340 U	330 U	350 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	5.7 U	5.3 U	4.9 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25
	SAMPLE	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.73 U	--	--	--	--	540	16	--	--	830	510	--	--	1700	38	7.2 J
1,2,3,4,6,7,8-HpCDF	ng/kg	0.069 U	--	--	--	--	63	1.9 J	--	--	58	110	--	--	110 J	3.4 J	0.69 U
1,2,3,4,7,8-HxCDD	ng/kg	0.03 U	--	--	--	--	4 U	0.22 U	--	--	4.9 J	1.5 U	--	--	7.8 J	1.4 J	0.13 U
1,2,3,4,7,8-HxCDF	ng/kg	0.05 U	--	--	--	--	3.4 U	0.13 U	--	--	4.7 U	8.3 U	--	--	1.7 U	0.16 U	0.18 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.087 U	--	--	--	--	5.2 J	0.57 U	--	--	15 U	28 U	--	--	12 J	0.32 U	0.33 U
1,2,3,6,7,8-HxCDD	ng/kg	0.062 U	--	--	--	--	16	0.5 U	--	--	20	23	--	--	50 J	0.3 U	0.13 U
1,2,3,6,7,8-HxCDF	ng/kg	0.12 U	--	--	--	--	4.5 U	0.11 U	--	--	4.1 U	5.4 J	--	--	29 U	1.6 U	0.17 U
1,2,3,7,8-PeCDD	ng/kg	0.074 U	--	--	--	--	2.3 U	0.16 U	--	--	1.7 J	1.5 J	--	--	4.7 J	0.2 U	0.084 U
1,2,3,7,8-PeCDF	ng/kg	0.052 U	--	--	--	--	5.7 J	0.23 U	--	--	2 U	3.5 U	--	--	1 U	0.15 U	0.78 U
1,2,3,7,8,9-HxCDD	ng/kg	0.034 U	--	--	--	--	4.9 U	0.5 U	--	--	12 J	5.7 U	--	--	16	0.56 U	0.12 U
1,2,3,7,8,9-HxCDF	ng/kg	0.058 U	--	--	--	--	1.5 U	0.67 J	--	--	5.3 U	1.7 U	--	--	2 U	0.18 U	0.21 U
2,3,4,6,7,8-HxCDF	ng/kg	0.39 U	--	--	--	--	170 U	1.7 U	--	--	160 U	250 U	--	--	400 U	17 U	4.5 U
2,3,4,7,8-PeCDF	ng/kg	0.056 U	--	--	--	--	2.3 U	0.23 U	--	--	2 U	3.5 U	--	--	1.1 U	0.16 U	0.84 U
2,3,7,8-TCDD	ng/kg	0.055 U	--	--	--	--	0.34 U	0.16 U	--	--	0.15 U	0.068 U	--	--	0.16 U	0.056 U	0.03 U
2,3,7,8-TCDF	ng/kg	0.04 U	--	--	--	--	3.1 J	0.17 U	--	--	0.93 U	0.2 U	--	--	1.4 J	0.12 U	0.26 U
OCDD	ng/kg	3.4 U	--	--	--	--	5900	120 B	--	--	10000	5500	--	--	17000	510	73
OCDF	ng/kg	0.19 U	--	--	--	--	180	2.3 J	--	--	150	310	--	--	620 J	17 J	6.6 J
TEQ Avian	ng/kg	0.15 U	--	--	--	--	17	0.62	--	--	16	20	--	--	36	1.4	0.93
TEQ Human	ng/kg	0.12 U	--	--	--	--	21	0.65	--	--	27	26	--	--	58	1.9	0.58
TEQ Mammals	ng/kg	0.12 U	--	--	--	--	21	0.65	--	--	27	26	--	--	58	1.9	0.58
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.6 U	2.4 U	2.2 U	2.2 U	2.4 UJ	2.4 U	2.2 U	2.2 U	2.6 U	2.6 U	2.2 U
Arsenic	mg/kg	2	3.9	3.9	2.9	2.2	6.9	3.3	2.3	2	3.4	2.7	1.9	1.9	5.1	3.6	2.2
Barium	mg/kg	140	72	120	90	66	270	180	55	120	170	170	55	43	230	180	110
Beryllium	mg/kg	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U
Cadmium	mg/kg	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.21 U	0.21 U	0.21 U	0.22 U	0.26 U	0.24 U	0.22 U	0.22 U	0.24 U	0.28	0.22 U	0.22 U	0.26 U	0.26 U	0.22 U
Chromium, total	mg/kg	19	12	20	16	15	38	17	11	13	30	29	11	7.9	39	21	13
Cobalt	mg/kg	9.1	4.6	6.6	7.6	7.2	9.6	7.6	5.9	7.3	9.2	6.7	7.3	4.5	9.4	9.2	7.5
Copper	mg/kg	14	7	10	7.7	8.8	22	12	5.7	7.6	14	15	7.7	4.9	18	14	7.9
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	6.1	16	4.2	1.1 U	16	6.9	1.7	1.5	7.4	8.8	1.1	1.3	11	3.8	2.6
Mercury	mg/kg	0.11 U	0.1 U	0.11 U	0.1 U	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.13 U	0.13 U	0.11 U
Molybdenum	mg/kg	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U
Nickel	mg/kg	11	6.8	12	9.1	9.6	18	12	6.9	8.7	15	11	8	5.6	16	12	8.8
Selenium	mg/kg	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 UJ	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U
Silver	mg/kg	1.1 U	1 U	1 U	1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.3 U	1.1 U
Thallium	mg/kg	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.6 U	2.4 U	2.2 U	2.2 U	2.4 U	2.4 U	2.2 U	2.2 U	2.6 U	2.6 U	2.2 U
Vanadium	mg/kg	41	23	30	36	29	42	33	28	29	40	29	28	19	41	38	31
Zinc	mg/kg	40	26	43	36	33	84	47	24	33	56	49	27	21	69	42	37
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25
	SAMPLE	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
4,4-DDE	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
4,4-DDT	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
Aldrin	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
alpha-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
alpha-Chlordane	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
beta-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
delta-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
Dieldrin	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
Endo sulfan I	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
Endo sulfan II	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
Endosulfan sulfate	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
Endrin	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
Endrin aldehyde	ug/kg	2.2 U	--	--	--	--	--	--	--	--	--	--	--	--	2.6 U	2.6 U	2.2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
gamma-Chlordane	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
Heptachlor	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
Heptachlor Epoxide	ug/kg	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	1.3 U	1.3 U	1.1 U
Methoxy chlor	ug/kg	5.5 U	--	--	--	--	--	--	--	--	--	--	--	--	6.5 U	6.5 U	5.5 U
Toxaphene	ug/kg	55 U	--	--	--	--	--	--	--	--	--	--	--	--	65 U	65 U	55 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Aroclor 1221	ug/kg	36 U	--	--	--	--	--	--	--	--	--	--	--	--	43 U	43 U	--
Aroclor 1232	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Aroclor 1242	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Aroclor 1248	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Aroclor 1254	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Aroclor 1260	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	18 U	--	--	--	--	--	--	--	--	--	--	--	--	21 U	21 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	14 JH	6.1 R	--	--	72	7.5 U	6.4 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	7.2 J	5.3 R	--	--	6.5 U	6.5 U	5.5 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	8 J	5.3 R	--	--	65 U	6.5 U	5.5 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	17 J	5.3 R	--	--	65 U	6.5 U	5.5 U
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	65 U	6.5 U	5.5 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	7.6 J	5.3 R	--	--	65 U	6.5 U	5.5 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	11 J	5.3 R	--	--	10	6.5 U	5.5 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	65 U	6.5 U	5.5 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	21 J	5.3 R	--	--	16	6.5 U	5.5 U
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	65 U	6.5 U	5.5 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	6 R	5.3 R	--	--	6.5 U	6.5 U	5.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25
	SAMPLE	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	87.8	0 R	--	--	40	0	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	10	0 R	--	--	7.8	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	10 J	5.3 R	--	--	7.8	6.5 U	5.5 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	16 J	5.3 R	--	--	14	6.5 U	5.5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25
	SAMPLE	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW21	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW22	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW23	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW24	AOC1-BCW25	AOC1-BCW25	AOC1-BCW25
	SAMPLE	AOC1-BCW21-235	AOC1-BCW22-236	AOC1-BCW22-237	AOC1-BCW22-238	AOC1-BCW22-239	AOC1-BCW23-240	AOC1-BCW23-241	AOC1-BCW23-242	AOC1-BCW23-243	AOC1-BCW24-244	AOC1-BCW24-245	AOC1-BCW24-246	AOC1-BCW24-247	AOC1-BCW25-248	AOC1-BCW25-249	AOC1-BCW25-250
	DATE	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29
	SAMPLE	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266
	DATE	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.36 U	4100	19 U	--	--	91	0.2 U	0.6 J	0.27 J	5700	16	8 J	0.65 U	2900	2.8 J	2.7 J
1,2,3,4,6,7,8-HpCDF	ng/kg	0.032 U	250	3 J	--	--	0.57 U	0.095 U	0.068 U	0.028 U	28 U	0.16 U	0.71 U	0.076 U	280	0.12 U	0.69 J
1,2,3,4,7,8-HxCDD	ng/kg	0.03 U	16	0.76 U	--	--	0.68 U	0.055 U	0.055 U	0.08 U	23	0.19 U	0.2 U	0.034 U	13 U	0.74 J	0.2 U
1,2,3,4,7,8-HxCDF	ng/kg	0.057 U	18	0.21 U	--	--	0.14 U	0.041 U	0.058 U	0.022 U	74 U	0.21 U	0.19 U	0.044 U	12 U	0.13 U	0.3 J
1,2,3,4,7,8,9-HpCDF	ng/kg	0.04 U	18 U	1.7 U	--	--	0.73 U	0.035 U	0.086 U	0.035 U	35 U	0.2 U	0.14 U	0.097 U	5 U	0.14 U	0.29 U
1,2,3,6,7,8-HxCDD	ng/kg	0.03 U	95	1.2 U	--	--	3.5 J	0.054 U	0.055 U	0.029 U	180	0.19 U	0.19 U	0.033 U	68	0.14 U	0.072 U
1,2,3,6,7,8-HxCDF	ng/kg	0.053 U	15	0.4 U	--	--	2.9 U	0.038 U	0.15 U	0.02 U	68 U	1.2 U	0.33 U	0.041 U	12 U	0.13 U	0.36 U
1,2,3,7,8-PeCDD	ng/kg	0.042 U	1.7 U	0.37 U	--	--	0.82 U	0.071 U	0.089 U	0.037 U	14	0.094 U	0.097 U	0.072 U	2.4 U	0.095 U	0.2 U
1,2,3,7,8-PeCDF	ng/kg	0.036 U	3.1 U	0.26 J	--	--	0.18 U	0.084 U	0.058 U	0.032 U	8.9 J	0.13 U	0.12 U	0.064 U	10 J	0.15 U	0.14 U
1,2,3,7,8,9-HxCDD	ng/kg	0.055 U	30	1.7 U	--	--	1.3 J	0.052 U	0.052 U	0.027 U	53	0.27 U	0.18 U	0.032 U	12 U	0.13 U	0.18 U
1,2,3,7,8,9-HxCDF	ng/kg	0.066 U	13 U	0.76 U	--	--	0.25 U	0.048 U	0.068 U	0.026 U	86 U	0.24 U	0.22 U	0.051 U	14 U	0.27 U	0.26 U
2,3,4,6,7,8-HxCDF	ng/kg	0.15 U	540 U	1.4 U	--	--	25 U	0.066 U	0.34 U	0.29 U	1000 U	8.2 U	4.8 U	0.15 U	600 U	2.5 U	1 U
2,3,4,7,8-PeCDF	ng/kg	0.039 U	7.8 J	0.24 U	--	--	2 U	0.091 U	0.063 U	0.035 U	15	0.14 U	0.13 U	0.069 U	4.1 U	0.16 U	0.15 U
2,3,7,8-TCDD	ng/kg	0.023 U	0.5 U	0.083 U	--	--	0.19 U	0.052 U	0.04 U	0.053 U	1 U	0.056 U	0.19 U	0.066 U	0.39 U	0.084 U	0.27 U
2,3,7,8-TCDF	ng/kg	0.076 U	2.6 J	0.2 U	--	--	0.7 J	0.24 J	0.069 U	0.19 U	2.7 J	0.11 U	0.23 J	0.15 U	1.2 U	1.1 U	1.2 J
OCDD	ng/kg	1.8 U	39000	120 U	--	--	660	1.2 U	4.4 J	1.5 U	47000	130	82	1.8 U	30000	24 J	29
OCDF	ng/kg	0.037 U	710	3.4 U	--	--	21 J	0.095 U	0.56 U	0.076 U	1500	4.7 J	4 J	0.23 U	1300	0.8 U	1.1 U
TEQ Avian	ng/kg	0.11 U	58	0.78	--	--	4	0.37	0.17	0.18	110	0.75	0.76	0.2 U	47	0.93	1.7
TEQ Human	ng/kg	0.067 U	100	0.75	--	--	3.9	0.12	0.13	0.088	180	0.83	0.6	0.11 U	84	0.45	0.56
TEQ Mammals	ng/kg	0.067 U	100	0.75	--	--	3.9	0.12	0.13	0.088	180	0.83	0.6	0.11 U	84	0.45	0.56
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.2 U	2.5 U	2.1 U	2.4 U	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Arsenic	mg/kg	2	5	7.1	3.3	3.3	5.2	1.7	1.4	1.9	5.1	4.6	1.3	1.8	4.3	4.2	5.4
Barium	mg/kg	120	170	190	74	42	210	65	53	78	270	150	96	110	160	210	350
Beryllium	mg/kg	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Cadmium	mg/kg	1.1 U	1.1 U	1.3 U	1.1 U	1.3	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1	1.1 U	1.3 U	1.4 U	1.5 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.22 U	0.25 U	0.21 U	0.24 U	0.24 U	0.23 U	0.21 U	0.23 U	0.3	0.23 U	0.22 U	0.22 U	0.26 U	0.27 U	0.31 U
Chromium, total	mg/kg	16	35	12	13	19	33	12	9.7	15	49	18	18	18	33	17	27
Cobalt	mg/kg	9.1	9	6.3	6.8	9	8.1	8	6.3	7.4	9.2	6.8	7.8	8.9	8.7	8.7	14
Copper	mg/kg	14	15	10	11	25	17	8.6	9	7.4	19	10	8.3	11	15	13	23
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2	8.9	8.2	3.6	3.1	17	2	1.3	2.2	14	4.2	1.4	2.1	8.3	5.2	7.6
Mercury	mg/kg	0.11 U	0.11 U	0.13 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.13 U	0.14 U	0.15 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Nickel	mg/kg	11	15	9.8	9.2	14	15	9.2	7	12	17	9.9	12	11	14	13	19
Selenium	mg/kg	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Silver	mg/kg	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Thallium	mg/kg	2.2 U	2.2 U	2.5 U	2.1 U	2.4 U	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Vanadium	mg/kg	38	35	23	24	35	35	36	26	30	39	32	29	36	38	31	46
Zinc	mg/kg	42	59	43	33	40	59	33	29	31	73	38	33	39	56	49	66
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29
	SAMPLE	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266
	DATE	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
4,4-DDE	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
4,4-DDT	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Aldrin	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
alpha-BHC	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
alpha-Chlordane	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
beta-BHC	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
delta-BHC	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Dieldrin	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Endo sulfan I	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Endo sulfan II	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Endosulfan sulfate	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Endrin	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Endrin aldehyde	ug/kg	2.2 U	--	--	--	--	2.4 U	2.3 U	2.1 U	2.3 U	2.4 U	2.3 U	2.2 U	2.2 U	2.6 U	2.7 U	3.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
gamma-Chlordane	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Heptachlor	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Heptachlor Epoxide	ug/kg	1.1 U	--	--	--	--	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.4 U	1.5 U
Methoxy chlor	ug/kg	5.6 U	--	--	--	--	6 U	5.6 U	5.3 U	5.7 U	6 U	5.8 U	5.4 U	5.6 U	6.6 U	6.8 U	7.7 U
Toxaphene	ug/kg	56 U	--	--	--	--	60 U	56 U	53 U	57 U	60 U	58 U	54 U	56 U	66 U	68 U	77 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Aroclor 1221	ug/kg	--	--	--	--	--	40 U	37 U	--	--	39 U	38 U	--	--	43 U	45 U	--
Aroclor 1232	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Aroclor 1242	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Aroclor 1248	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Aroclor 1254	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Aroclor 1260	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	20 U	19 U	--	--	20 U	19 U	--	--	22 U	22 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	6.4 U	21 JH	7.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.5 U	9.8 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.5 U	14 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.5 U	31 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.5 U	13 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5.5 U	16 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	5.5 U	26 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.5 U	5.6 R	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29
	SAMPLE	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266
	DATE	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	133	0 R	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	12	0 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.5 U	12 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.5 U	23 J	6.2 R	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29
	SAMPLE	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266
	DATE	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW25	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW26	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW27	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW28	AOC1-BCW29	AOC1-BCW29	AOC1-BCW29
	SAMPLE	AOC1-BCW25-251	AOC1-BCW26-252	AOC1-BCW26-253	AOC1-BCW26-254	AOC1-BCW26-255	AOC1-BCW27-256	AOC1-BCW27-257	AOC1-BCW27-258	AOC1-BCW27-259	AOC1-BCW28-260	AOC1-BCW28-261	AOC1-BCW28-262	AOC1-BCW28-263	AOC1-BCW29-264	AOC1-BCW29-265	AOC1-BCW29-266
	DATE	2/5/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5
	SAMPLE	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118
	DATE	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	17	--	--	--	--	--	5200	0.77 U	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.75 U	--	--	--	--	--	460	2.4 J	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.15 U	--	--	--	--	--	22	0.46 U	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.072 U	--	--	--	--	--	34	0.63 U	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.11 U	--	--	--	--	--	24	0.22 U	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.23 U	--	--	--	--	--	5.8 U	0.32 U	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.14 U	--	--	--	--	--	32	0.49 U	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.09 U	--	--	--	--	--	12 J	0.87 J	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.092 U	--	--	--	--	--	8.8 U	0.23 U	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.15 U	--	--	--	--	--	49	0.64 U	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.084 U	--	--	--	--	--	9.1 U	0.93 U	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	1.3 U	--	--	--	--	--	890 U	7.8 U	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.17 U	--	--	--	--	--	13	0.46 U	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.12 U	--	--	--	--	--	0.5 J	1.1 U	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.61 U	--	--	--	--	--	7	0.65 J	--	--	--	--	--	--	--	--
OCDD	ng/kg	370	--	--	--	--	--	14000	98 B	--	--	--	--	--	--	--	--
OCDF	ng/kg	2.4 J	--	--	--	--	--	980	3.6 J	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	0.65	--	--	--	--	--	100	2.9	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	0.55	--	--	--	--	--	140	2.2	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.55	--	--	--	--	--	140	2.2	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.76	8.68	8.58	9.54	--	--	--	--	--	8.06	8.28	8.69	8.94	9.43	8.58
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.4 U	2 U	2 U	2.1 U	--	2.1 U	2.4 UJ	2.4 U	2.3 U	2.3 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Arsenic	mg/kg	2.7	4.4	3.2	4.2	4.2	--	5.5	3.4	3.7	2.7	4.4	2.9	4	5.1	3.7	3.5
Barium	mg/kg	74	140	99	170	130	--	220	140	210	49	180	76	60	81	160	130
Beryllium	mg/kg	1.2 U	1 U	1 U	2.1 U	--	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	2.1 U	1 U	1 U
Cadmium	mg/kg	1.2 U	1 U	1 U	1 U	--	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.24 UJ	0.42	0.4 U	0.42 U	--	0.42 U	0.24 U	0.26	0.23 U	0.23 U	1.3	0.41 U	0.42 U	0.43 U	0.45	0.41 U
Chromium, total	mg/kg	11	25	25	23	22	--	42	14	12	8.8	36	24	23	22	35	31
Cobalt	mg/kg	7.3	6.4	7.5	11	9.3	--	7.3	6	6	5.8	8.3	5.8	9.4	9.7	8.7	7.4
Copper	mg/kg	7.1	11	9.8	9.6	8.8	--	18	8.7	8.4	7.8	13	8.3	8.4	7.6	12	9.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.2 U	7.3	4	2.2	2.3	--	17 J	2.7	2.9	1.2 U	9.4	3.6	2.7	2.3	6	7
Mercury	mg/kg	0.12 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U	0.1 U	0.1 U	0.11 U	0.099 U	0.1 U
Molybdenum	mg/kg	1.2 U	1 U	1 U	2.1 U	--	1.1 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	2.1 U	1 U	1 U
Nickel	mg/kg	9.6	12	13	14	14	--	14	11	9.6	6.3	16	9.5	14	15	15	12
Selenium	mg/kg	1.2 U	1 U	1 U	1 U	--	1.1 U	1.2 UJ	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Silver	mg/kg	1.2 U	1 U	1 U	2.1 U	--	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1 U	1 U	1 U	2.1 U	1 U	1 U
Thallium	mg/kg	2.4 U	2 U	2 U	4.1 U	--	2.1 U	2.4 UJ	2.4 U	2.3 U	2.3 U	2 U	2 U	2.1 U	4.3 U	2 U	2 U
Vanadium	mg/kg	32	27	30	36	37	--	28	22	23	19	33	23	37	35	34	30
Zinc	mg/kg	29	51	38	43	41	--	61	28	29	27	61	33	45	42	46	42
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9500	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18000	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5
	SAMPLE	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118
	DATE	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7700	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3900	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	360 U	--
Pesticides																	
4,4-DDD	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
4,4-DDE	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
4,4-DDT	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Aldrin	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
alpha-BHC	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
alpha-Chlordane	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
beta-BHC	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
delta-BHC	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Dieldrin	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endo sulfan I	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Endo sulfan II	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin aldehyde	ug/kg	2.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--
gamma-BHC	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
gamma-Chlordane	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Heptachlor	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Heptachlor Epoxide	ug/kg	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
Methoxy chlor	ug/kg	6.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--
Toxaphene	ug/kg	61 U	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5 U	5.2 U	--	5.3 U	--	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5 U	5.2 U	--	5.3 U	--	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Acenaphthene	ug/kg	--	5.1 U	5 U	5.2 U	--	5.3 U	--	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Acenaphthylene	ug/kg	--	5.1 U	5 U	5.2 U	--	5.3 U	--	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Anthracene	ug/kg	--	5.1 U	5 U	5.2 U	--	5.3 U	--	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	32	5.8 U	6 U	--	6.1 U	--	--	--	--	30	5.9 U	6 U	6.1 U	5.8 U	12
Benzo (a) anthracene	ug/kg	--	22	5 U	5.2 U	--	5.3 U	--	--	--	--	12	5.1 U	5.2 U	5.3 U	5 U	5.7
Benzo (a) pyrene	ug/kg	--	20	5 U	5.2 U	--	5.3 U	--	--	--	--	18	5.1 U	5.2 U	5.3 U	5 U	7.9
Benzo (b) fluoranthene	ug/kg	--	24	5 U	5.2 U	--	5.3 U	--	--	--	--	27	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	--	17	5 U	5.2 U	--	5.3 U	--	--	--	--	16	5.1 U	5.2 U	5.3 U	5 U	5.5
Benzo (k) fluoranthene	ug/kg	--	27	5 U	5.2 U	--	5.3 U	--	--	--	--	16	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Chrysene	ug/kg	--	29	5 U	5.2 U	--	5.3 U	--	--	--	--	22	5.1 U	5.2 U	5.3 U	5 U	8.1
Dibenzo (a,h) anthracene	ug/kg	--	5.9	5 U	5.2 U	--	5.3 U	--	--	--	--	6.1	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Fluoranthene	ug/kg	--	34	5 U	5.2 U	--	5.3 U	--	--	--	--	31	5.1 U	5.2 U	5.3 U	5 U	9.3
Fluorene	ug/kg	--	5.1 U	5 U	5.2 U	--	5.3 U	--	--	--	--	5.1 U	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	14	5 U	5.2 U	--	5.3 U	--	--	--	--	14	5.1 U	5.2 U	5.3 U	5 U	5.1
Naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	--	4.7 U	--	--	--	--	5.1 U	5.1 U	4.8 U	4.4 U	5 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5
	SAMPLE	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118
	DATE	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	223	0	0	--	0	--	--	--	--	189	0	0	0	0	50.9
PAH Low molecular weight	ug/kg	--	14	0	0	--	0	--	--	--	--	11	0	0	0	0	0
Phenanthrene	ug/kg	--	14	5 U	5.2 U	--	5.3 U	--	--	--	--	11	5.1 U	5.2 U	5.3 U	5 U	5.1 U
Pyrene	ug/kg	--	30	5 U	5.2 U	--	5.3 U	--	--	--	--	27	5.1 U	5.2 U	5.3 U	5 U	9.3
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
2-Chloro naphthalene	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2-Chlorophenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2-Methylphenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
2,4-Dichlorophenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
3-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	670 U	660 U	680 U	--	690 U	--	--	--	--	670 U	670 U	680 U	700 U	670 U	670 U
4-Chloroaniline	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
4-Methylphenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
4-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	670 U	660 U	680 U	--	690 U	--	--	--	--	670 U	670 U	680 U	700 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Dibenzofuran	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Diethyl phthalate	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Hexachloroethane	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Pentachlorophenol	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
Phenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	--	10 U	--	--	--	--	15.8	10 U	10 U	10 U	28.9	10.5
TPH as gasoline	mg/kg	--	--	1.1 U	1.2 U	0.95 U	--	--	--	--	--	--	0.92 U	1 U	1 U	--	0.98 U
TPH as motor oil	mg/kg	--	21.6 J	10.7 J	10 U	--	10 U	--	--	--	--	17.8 J	10 U	10 U	10 U	30.1 J	22.6 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,1-Dichloroethene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,1-Dichloropropene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5
	SAMPLE	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118
	DATE	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,1,2-Trichloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2-Dibromoethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2-Dichlorobenzene	ug/kg	--	340 U	5.6 U	5.1 U	--	4.7 U	--	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U
1,2-Dichloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2-Dichloropropane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2,3-Trichlorobenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2,3-Trichloropropane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,2,4-Trichlorobenzene	ug/kg	--	340 U	5.6 U	5.1 U	--	4.7 U	--	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U
1,2,4-Trimethylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,3-Dichlorobenzene	ug/kg	--	340 U	5.6 U	5.1 U	--	4.7 U	--	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U
1,3-Dichloropropane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,3,5-Trimethylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
1,4-Dichlorobenzene	ug/kg	--	340 U	5.6 U	5.1 U	--	4.7 U	--	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52 U
2,2-Dichloropropane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1600 U	1600 U	--	1700 U	--	--	--	--	1600 U	1600 U	1700 U	1700 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Acetone	ug/kg	--	--	56 U	51 U	--	47 U	--	--	--	--	--	51 U	48 U	44 U	--	52 U
Acrolein	ug/kg	--	--	110 U	100 U	--	94 U	--	--	--	--	--	100 U	96 U	89 U	--	100 U
Acrylonitrile	ug/kg	--	--	56 U	51 U	--	47 U	--	--	--	--	--	51 U	48 U	44 U	--	52 U
Benzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
bis (2-chloroethyl) ether	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Bromobenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Bromochloromethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Bromodichloromethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Bromoform	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Bromomethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Carbon disulfide	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Carbon tetrachloride	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Chloro methane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Chlorobenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Chloroethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Chloroform	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
cis-1,2-Dichloroethene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
cis-1,3-Dichloropropene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Dibromochloromethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Dibromomethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Dichlorodifluoromethane	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Ethyl- benzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Hexachlorobutadiene	ug/kg	--	340 U	5.6 U	5.1 U	--	4.7 U	--	--	--	--	340 U	5.1 U	4.8 U	4.4 U	330 U	5.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	670 U	--
Isophorone	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Methyl ethyl ketone	ug/kg	--	--	56 U	51 U	--	47 U	--	--	--	--	--	51 U	48 U	44 U	--	52 U
Methyl isobutyl ketone	ug/kg	--	--	56 U	51 U	--	47 U	--	--	--	--	--	51 U	48 U	44 U	--	52 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW29	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW3	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW30	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW4	AOC1-BCW5	AOC1-BCW5
	SAMPLE	AOC1-BCW29-267	AOC1-BCW3-108	AOC1-BCW3-109	AOC1-BCW3-110	AOC1-BCW3-112	AOC1-BCW3-111	AOC1-BCW30-268	AOC1-BCW30-269	AOC1-BCW30-270	AOC1-BCW30-271	AOC1-BCW4-113	AOC1-BCW4-114	AOC1-BCW4-115	AOC1-BCW4-116	AOC1-BCW5-117	AOC1-BCW5-118
	DATE	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	9	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	10	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.2 U
Methylene chloride	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
N-Butylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
N-Propylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Nitrobenzene	ug/kg	--	340 U	330 U	340 U	--	350 U	--	--	--	--	340 U	330 U	340 U	350 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
sec-Butylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Styrene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
tert-Butylbenzene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Tetrachloroethene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Toluene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
trans-1,2-Dichloroethene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
trans-1,3-Dichloropropene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Trichloroethene	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Vinyl chloride	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Xylene, m,p-	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Xylene, o-	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U
Xylenes, total	ug/kg	--	--	5.6 U	5.1 U	--	4.7 U	--	--	--	--	--	5.1 U	4.8 U	4.4 U	--	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8
	SAMPLE	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282
	DATE	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	5	9	2	14	19	19	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate			Field Duplicate			
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	2100 J	570 J	200	100	2.7 U	5 J	--	--	--	--	730	1400	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	210 J	85 J	16	8.2 J	0.094 U	0.36 U	--	--	--	--	55	110	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	14 J	3.1 J	0.87 J	0.85 J	0.24 J	0.075 U	--	--	--	--	3.2 U	6.9 J	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	14 J	2 UJ	1.8 J	0.94 J	0.081 U	0.084 U	--	--	--	--	4.9 U	6.4 J	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	8.4 UJ	6.7 UJ	2.1 J	1.1 J	0.12 U	0.15 U	--	--	--	--	2.8 U	7.6 J	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	75 J	0.79 UJ	5.6 J	2.9 J	0.074 U	0.074 U	--	--	--	--	15	30	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	14 J	5.2 UJ	3.2 U	0.27 U	0.075 U	0.078 U	--	--	--	--	4.3 U	6 J	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	5.3 UJ	0.37 UJ	0.35 U	--	0.095 U	0.085 U	0.15 U	--	--	--	1.5 U	1.8 U	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	4 UJ	1.5 UJ	0.19 U	--	0.038 U	0.12 U	0.12 U	--	--	--	0.73 U	2.9 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	25 J	7.9 J	2 U	--	0.071 U	0.07 U	1.3 J	--	--	--	5.9 J	14	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	5.5 UJ	2.3 UJ	0.59 J	0.26 U	0.094 U	0.098 U	--	--	--	--	5.6 U	2.5 J	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	350 UJ	2.5 UJ	37 U	--	0.28 U	1 U	17 U	--	--	--	120 U	180 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	5.5 UJ	1.5 UJ	0.39 U	--	0.041 U	0.13 U	0.13 U	--	--	--	0.63 U	3.7 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	0.31 UJ	0.1 UJ	0.17 J	0.051 U	0.068 U	0.05 U	--	--	--	--	0.18 U	0.33 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	2 UJ	0.2 UJ	0.26 J	0.19 J	0.052 U	0.037 U	--	--	--	--	0.66 U	3 J	--
OCDD	ng/kg	--	--	--	16000 J	8000 J	2600	1100	23 U	54	--	--	--	--	9900	18000	--
OCDF	ng/kg	--	--	--	510 J	200 J	74	32	0.6 U	1.5 J	--	--	--	--	170	270	--
TEQ Avian	ng/kg	--	--	--	37	5	3.9	2	0.18	0.24	--	--	--	--	11	23	--
TEQ Human	ng/kg	--	--	--	64	11	6.4	3.1	0.17	0.23	--	--	--	--	21	38	--
TEQ Mammals	ng/kg	--	--	--	64	11	6.4	3.1	0.17	0.23	--	--	--	--	21	38	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.26	9.55	--	7.74	7.89	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	--	5.7 U	5.8 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2.2 U	2 U	2 U
Arsenic	mg/kg	3.9	4.7	--	13	9.3	2.2	--	6.7	7.1	4.3	3	3.9	--	3.8	2.5	1.4
Barium	mg/kg	120	110	--	320	230	74	--	150	540	91	210	460 J	--	180	110	82
Beryllium	mg/kg	1 U	2.1 U	--	2.8 U	2.9 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	--	2.8 U	2.9 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.43 U	--	2.6	0.61 U	0.29	0.36	0.21 U	0.36	--	0.21 U	0.21 U	--	0.22 U	0.44	0.24
Chromium, total	mg/kg	26	--	24	71	21	18	--	15	24	23	19	20	--	21	28	18
Cobalt	mg/kg	9.9	9.2	--	7.7	6.3	6.3	7	3.3	10	--	10	9.1	--	7.1	9.3	9.6
Copper	mg/kg	8.4	--	7.3 U	22	14	18	8.4	6.2	23	--	8.4	--	8.7	14	10	8.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.7	3.2	--	23	8.7	8	1.7	2.2	1.4	--	2.4	1.8	--	8.3	4.5	3.2
Mercury	mg/kg	0.1 U	0.11 U	--	0.14 U	0.14 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	2.1 U	--	2.8 U	2.9 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U
Nickel	mg/kg	15	15	--	18	13	9.6	10	7.5	18	--	16	14	--	13	12	10
Selenium	mg/kg	1 U	1 U	--	2.8 U	2.9 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U
Silver	mg/kg	1 U	2.1 U	--	2.8 U	2.9 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1 U	--	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	4.2 U	--	5.7 U	5.8 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	--	2.2 U	2 U	2 U
Vanadium	mg/kg	41	35	--	37	31	24	25	15	41	--	33	34	--	32	37	32
Zinc	mg/kg	44	40	--	81	50	34	29	15	26	--	39	38	--	53	45	35
Metals CLP																	
Aluminum	mg/kg	--	--	--	14000	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	35000	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	6.7 U	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	20000	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8
	SAMPLE	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282
	DATE	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
	SAMPLE TOP DEPTH (FT)	5	9	9	0	2	0	2	5	9	2	14	19	19	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
	SAMPLE TYPE			Field Duplicate							Field Duplicate			Field Duplicate			
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	11000	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	420	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	4000	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	660	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	7.1 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	71 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	47 U	--	33 U	34 U	34 U	35 U	--	35 U	35 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	23 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	23 U	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	23 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Acenaphthene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Anthracene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
B(a)P Equivalent	ug/kg	6 U	6.1 U	--	9	9	5.9 U	6 U	6 U	6.1 U	--	6 U	6.1 U	--	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.2 U	5.3 U	--	11	10	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Chrysene	ug/kg	5.2 U	5.3 U	--	7.3	7.7	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Fluoranthene	ug/kg	5.2 U	5.3 U	--	10	19	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Fluorene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	--	7.1 U	7.2 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Naphthalene	ug/kg	5.1 U	5.3 U	--	7.1 U	6.4 U	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8
	SAMPLE	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282
	DATE	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	5	9	2	14	19	19	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate			Field Duplicate			
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	--	38.3	51.7	0	0	0	0	--	0	0	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	--	0	10	0	0	0	0	--	0	0	--	--	--	--
Phenanthrene	ug/kg	5.2 U	5.3 U	--	7.1 U	10	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Pyrene	ug/kg	5.2 U	5.3 U	--	10	15	5.1 U	5.2 U	5.2 U	5.3 U	--	5.2 U	5.3 U	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	990 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	990 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	990 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	690 U	700 U	--	940 U	960 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	2300 U	2400 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	990 U	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	990 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	990 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	2300 UJ	2400 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	690 U	700 U	--	940 U	960 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	470 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	470 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	--	10 U	10 U	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	0.92 U	1.2 U	--	--	1.3 U	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	10 U	--	17.5	16.3	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8
	SAMPLE	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282
	DATE	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	5	9	2	14	19	19	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate			Field Duplicate			
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.1 U	6.2 U	--	470 U	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.1 U	6.2 U	--	470 U	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.1 U	6.2 U	--	470 U	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.1 U	6.2 U	--	470 U	6.4 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	470 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	64 U	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	--	2300 U	2300 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	51 U	62 U	--	--	64 U	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	100 U	120 U	--	--	130 U	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	51 U	62 U	--	--	64 U	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.1 U	6.2 U	--	470 U	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	940 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	51 U	62 U	--	--	64 U	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	51 U	62 U	--	--	64 U	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW5	AOC1-BCW5	AOC1-BCW5	AOC1-BCW6	AOC1-BCW6	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW7	AOC1-BCW8	AOC1-BCW8	AOC1-BCW8
	SAMPLE	AOC1-BCW5-119	AOC1-BCW5-120	AOC1-BCW5-121	AOC1-BCW6-122	AOC1-BCW6-123	AOC1-BCW7-272	AOC1-BCW7-273	AOC1-BCW7-275	AOC1-BCW7-276	AOC1-BCW7-274	AOC1-BCW7-277	AOC1-BCW7-278	AOC1-BCW7-279	AOC1-BCW8-280	AOC1-BCW8-281	AOC1-BCW8-282
	DATE	10/4/2008	10/4/2008	10/4/2008	8/22/2008	8/22/2008	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/4/2016	2/4/2016
SAMPLE TOP DEPTH (FT)		5	9	9	0	2	0	2	5	9	2	14	19	19	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	10	0.5	3	0.5	3	6	10	3	15	20	20	0.5	3	6
SAMPLE TYPE				Field Duplicate							Field Duplicate			Field Duplicate			
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	350 U	--	470 U	480 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	5.1 U	6.2 U	--	--	6.4 U	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c
	SAMPLE	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	0	0
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
SAMPLE TYPE			Field Duplicate													Field Duplicate	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	920	17	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	78	1.8 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	3.7 J	0.33 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	11 U	0.41 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	6.7 U	0.19 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	22	0.71 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	9.7 U	0.36 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	0.23 U	0.13 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	1.2 U	0.15 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	7.7 J	0.29 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	1.8 U	0.47 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	220 U	3.9 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	1.9 U	0.15 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	0.13 U	0.067 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	1.5 J	0.096 U	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	10000	150 B	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	220	5.1 J	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	19	0.55	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	29	0.68	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	29	0.68	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	8.66	8.85	8.83	9.03	9.18	9.04	8.87	9.66	--	9.24
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2.2 U	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U
Arsenic	mg/kg	--	2.2	4	3.5	2.4	2.4	6.5	3.2	3.5	2.4	2.9	2.9	3	2.6	--	3.2
Barium	mg/kg	92	--	200	190	110	100	100	120	110	88	88	210	99	120	--	120
Beryllium	mg/kg	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Cadmium	mg/kg	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	--	0.22 U	1.2	0.21 U	0.21 U	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	1.9 U	0.4	0.4 U	--	0.6
Chromium, total	mg/kg	15 J	--	35	66	17	13	19	27	26	14	43 J	98	28	42	--	44
Cobalt	mg/kg	--	8.7	8.3	8.1	8.5	7.9	7.3	7.7	7.2	7.3	8.4	7.5	7.2	8	--	7.4
Copper	mg/kg	9.3	--	17	16	9.5	10	11	8.6	9.5	7.5	--	12	9	11	10	13
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.1	--	9.3	11	3	1.1 U	4.9	3.8	3.4	1.4	--	3.9	3.2	2.6	3.2	7.5
Mercury	mg/kg	0.11 U	--	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	2 U	2	2	1 U	1 U	1 U	1.7	5	--	1.9
Nickel	mg/kg	--	9.5	15	14	11	10	14	13	12	9.5	--	16	12	14	16	11
Selenium	mg/kg	1.1 UJ	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Thallium	mg/kg	2.1 U	--	2.2 U	2.2 U	2.1 U	2.1 U	4 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U
Vanadium	mg/kg	32	--	33	33	37	28	30	29	29	29	36	33	31	30	--	33
Zinc	mg/kg	--	37	61	57	37	32	38	37	34	32	--	67	31	32	32	53
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	9800	--	--	--	--	--	--	--	8100	9100
Calcium	mg/kg	--	--	--	--	--	--	30000	--	--	--	16000	--	--	--	--	22000
Cyanide	mg/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
Iron	mg/kg	--	--	--	--	--	--	17000	--	--	--	19000	--	--	--	--	16000

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c
	SAMPLE	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	0	0
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
SAMPLE TYPE			Field Duplicate													Field Duplicate	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	8100	--	--	--	--	--	--	--	6500	6600
Manganese	mg/kg	--	--	--	--	--	--	270	--	--	--	--	--	--	--	240	250
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	2600	--	--	--	--	--	--	--	2500	3800
Sodium	mg/kg	--	--	--	--	--	--	260	--	--	--	250	--	--	--	--	340
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
Aldrin	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
Endrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	2 U	--	--	--	2 U	--	--	--	--	2 U
gamma-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1 U	--	--	--	1 U	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	5 U	--	--	--	5 U	--	--	--	--	5.1 U
Toxaphene	ug/kg	--	--	--	--	--	--	50 U	--	--	--	50 U	--	--	--	--	51 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	18 UJ	18 UJ	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Aroclor 1221	ug/kg	--	--	36 UJ	35 UJ	--	--	33 U	--	--	--	33 U	--	--	--	--	34 U
Aroclor 1232	ug/kg	--	--	18 UJ	18 UJ	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Aroclor 1242	ug/kg	--	--	18 UJ	18 UJ	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Aroclor 1248	ug/kg	--	--	18 UJ	18 UJ	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Aroclor 1254	ug/kg	--	--	18 UJ	18 UJ	--	--	17 U	--	--	--	17 U	--	--	--	--	75
Aroclor 1260	ug/kg	--	--	18 UJ	18 UJ	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	--	--	--	17 U	--	--	--	--	17 U
Total PCBs	ug/kg	--	--	18 U	18 U	--	--	17 U	--	--	--	17 U	--	--	--	--	83.5
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	5.1 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5.2	--	5.1 U
Acenaphthene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	5.1 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	5.1 U
Anthracene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	9.7	--	5.1 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	5.8 U	5.8 U	5.8 U	5.9 U	5.8 U	6 U	5.8 U	6.3	--	43
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	8.1	--	24
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	26
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	26
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	23
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	31
Chrysene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	7.8	--	32
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	9.1
Fluoranthene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	28	--	48
Fluorene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	7.9	--	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	5 U	--	21
Naphthalene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	4.9 U	5 U	4.8 U	--	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c
	SAMPLE	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	0	0
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
SAMPLE TYPE			Field Duplicate													Field Duplicate	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	0	0	0	0	0	0	0	69.9	--	282
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	0	0	0	0	0	0	0	97.8	--	20
Phenanthrene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	75	--	20
Pyrene	ug/kg	--	--	--	--	--	--	5 U	5 U	5 U	5.1 U	5 U	5.2 U	5 U	26	--	42
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	710 U	--	--	--	710 U	--	--	--	--	710 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	710 U	--	--	--	710 U	--	--	--	--	710 U
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	710 U	--	--	--	710 U	--	--	--	--	710 U
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	670 U	660 U	660 U	670 U	670 U	680 U	660 U	660 U	--	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	710 U	--	--	--	710 U	--	--	--	--	710 U
Atrazine	ug/kg	--	--	--	--	--	--	710 U	--	--	--	710 U	--	--	--	--	710 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	710 U	--	--	--	710 U	--	--	--	--	710 U
Benzoic acid	ug/kg	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	670 U	660 U	660 U	670 U	670 U	680 U	660 U	660 U	--	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	330 UJ	--	--	--	330 U	--	--	--	--	340 U
Carbazole	ug/kg	--	--	--	--	--	--	330 U	--	--	--	330 U	--	--	--	--	340 U
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
Phenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	10 U	10 U	10 U	10 U	10 U	21.3	10 U	10 U	--	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	1.3 U	63 U	1 U	--	1.2 U	1.2 U	0.89 U	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	10 U	10 U	15.5	10 U	10 U	276	21	34.4	--	26.2
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c
	SAMPLE	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	0	0
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
SAMPLE TYPE			Field Duplicate													Field Duplicate	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	330 U	--	--	--	330 U	--	--	--	--	340 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	70 U	--	--	--	49 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	70 U	--	53 U	--	49 U	57 U	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	140 U	100 U	110 U	--	97 U	110 U	97 U	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	70 U	50 U	53 U	--	49 U	57 U	48 U	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	7 U	--	--	--	4.9 U	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	330 U	7 U	5 U	5.3 U	330 U	4.9 U	5.7 U	4.8 U	--	340 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	670 U	--	--	--	670 U	--	--	--	--	670 U
Isophorone	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	7 U	--	--	--	4.9 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	70 U	50 U	53 U	--	49 U	57 U	48 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	70 U	50 U	53 U	--	49 U	57 U	48 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-BCW8	AOC1-BCW8	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-BCW9	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1a	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1b	AOC1-T1c
	SAMPLE	AOC1-BCW8-283	AOC1-BCW8-284	AOC1-BCW9-285	AOC1-BCW9-286	AOC1-BCW9-287	AOC1-BCW9-288	AOC1-T1a-001	AOC1-T1a-002	AOC1-T1a-003	AOC1-T1a-004	AOC1-T1b-005	AOC1-T1b-007	AOC1-T1b-008	AOC1-T1b-009	AOC1-T1b-006	AOC1-T1c-010
	DATE	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	2/4/2016	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	0	0
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	0.5
SAMPLE TYPE			Field Duplicate													Field Duplicate	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	7 U	--	--	--	4.9 U	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	340 U	330 U	330 U	--	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	7 U	5 U	5.3 U	--	4.9 U	5.7 U	4.8 U	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f
	SAMPLE	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		2	5	9	2	0	2	5	9	14	9	0	2	5	9	14	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	3	1	3	6	10	15	10	1	3	6	10	15	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	3	0.5	3	6	10	15	10	0.5	3	6	10	15	10
SAMPLE TYPE					Field Duplicate						Field Duplicate						Field Duplicate
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	670	29	4.5 J	28	--	--	550	2.5 J	7.7 J	9.6 J	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	68	3 U	0.79 U	3.6 U	--	--	74	0.27 U	0.12 U	0.56 U	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	4 J	0.65 U	0.26 U	0.38 U	--	--	3.6 J	0.037 U	0.25 U	0.33 U	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	3 U	0.85 U	0.18 U	0.34 U	--	--	11 U	0.055 U	0.4 U	0.16 U	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	4.3 U	0.52 U	0.14 U	2 U	--	--	5.5 U	0.071 U	0.15 U	0.74 J	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	15	0.58 U	0.3 U	0.34 U	--	--	13	0.032 U	0.22 U	0.3 U	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	4 J	0.72 U	0.16 U	0.29 U	--	--	9.1 U	0.048 U	0.29 U	0.15 U	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	2.1 J	0.25 U	0.16 U	0.16 U	--	--	0.76 U	0.024 U	0.19 U	0.27 U	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	0.8 U	0.4 U	0.095 U	0.17 U	--	--	0.66 U	0.059 U	0.14 U	0.14 U	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	8.9 J	0.62 U	0.31 U	0.8 U	--	--	0.54 U	0.032 U	0.17 U	0.32 U	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	3.5 U	31 U	0.21 U	0.4 U	--	--	12 U	0.099 U	0.2 U	0.43 U	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	84 U	2.7 J	0.18 U	3.6 U	--	--	140 U	0.055 U	0.17 U	0.24 U	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	0.31 U	0.28 U	0.074 U	0.18 U	--	--	0.69 U	0.059 U	0.15 U	0.15 U	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.23 J	0.13 U	0.062 U	0.12 U	--	--	0.11 U	0.03 U	0.2 U	0.1 U	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	0.12 U	0.14 U	0.1 U	0.14 U	--	--	0.51 U	0.034 U	0.76 U	0.17 U	--	--
OCDD	ng/kg	--	--	--	--	6300	190	51	240	--	--	6800	29	22 J	30	--	--
OCDF	ng/kg	--	--	--	--	120	2.2 U	1.2 U	4.9 U	--	--	230	0.43 U	0.5 U	0.29 U	--	--
TEQ Avian	ng/kg	--	--	--	--	11	2.4	0.28	0.67	--	--	12	0.099	0.74	0.45	--	--
TEQ Human	ng/kg	--	--	--	--	19	2.6	0.27	0.86	--	--	19	0.092	0.43	0.43	--	--
TEQ Mammals	ng/kg	--	--	--	--	19	2.6	0.27	0.86	--	--	19	0.092	0.43	0.43	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.47	8.94	9.15	--	9.3	9.5	9.5	9.4	9.3	--	9.2	9.4	8.9	9.4	9.3	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Arsenic	mg/kg	--	3.1	2.8	3	2.7	2.7	1.9	--	2.1	2.4	2.5	2.3	3.1	--	2.2	3.1
Barium	mg/kg	--	97	120	170	37	32	22	--	42	43	73	37	32	72	55	--
Beryllium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	4.8 J	0.45	0.42 U	--	0.21 U	0.21 U	0.21 U	0.2 U	0.22 U	--	0.71	0.21 U	0.21 U	0.21 U	0.68	--
Chromium, total	mg/kg	--	46	20	150	26	18	16	20	17	--	49	20	24	--	29	30 J
Cobalt	mg/kg	--	7.2	8.6	8.2	7.5	9.8	6.6	8.1	6.8	--	6.6	7.6	8.9	11 J	7.6	--
Copper	mg/kg	--	15	11	29	13	10	7.5	--	11	13	13	7.2	11	--	9.2	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	5	1.9	32 J	3.3	2	1.1	--	1.3	1.5	5.5	1.5	2	--	2	2.6
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	--	0.1 U	0.1 U	--	0.16	0.18	0.13	0.13	0.11	0.11	0.1 U	--
Molybdenum	mg/kg	2.5	3	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--
Nickel	mg/kg	--	12	13	14 J	16	15	12	14	13	--	13	19	18	14	13	--
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--
Thallium	mg/kg	2.1 U	2 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Vanadium	mg/kg	33	27	33	--	23	30	23	27	24	--	23	25	27	36 J	25	--
Zinc	mg/kg	--	44	38	110 J	37	40	30	32	28	--	41	32	40	46 J	34	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f
	SAMPLE	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		2	5	9	2	0	2	5	9	14	9	0	2	5	9	14	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	3	1	3	6	10	15	10	1	3	6	10	15	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	3	0.5	3	6	10	15	10	0.5	3	6	10	15	10
SAMPLE TYPE					Field Duplicate						Field Duplicate						Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	34 U	34 U	--	--	--	--	35 U	34 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	17 U	17 U	--	--	--	--	17 U	17 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	--	12	6 U	14	6 U	6 U	5.9 U	5.9 U	6.2 U	--	6 U	6 U	6.1 U	--	5.9	5.9 U
Benzo (a) anthracene	ug/kg	--	6	5.2 U	9.4	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	--	7.3	5.2 U	8.3	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	7.8	5.2 U	12	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	--	7.5	5.2 U	6.3	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	10	10	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Chrysene	ug/kg	--	9.6	5.2 U	12	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Fluoranthene	ug/kg	--	11	5.2 U	21	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.4	5.1 U
Fluorene	ug/kg	5.2 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	6.4	5.2 U	5.6	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Naphthalene	ug/kg	--	4.1 U	5.2 U	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f
	SAMPLE	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		2	5	9	2	0	2	5	9	14	9	0	2	5	9	14	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	3	1	3	6	10	15	10	1	3	6	10	15	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	3	0.5	3	6	10	15	10	0.5	3	6	10	15	10
SAMPLE TYPE					Field Duplicate						Field Duplicate						Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	75.6	0	99.7	0	0	0	0	0	--	0	0	0	0	10.5	--
PAH Low molecular weight	ug/kg	--	0	0	7.1	0	0	0	0	0	--	0	0	0	0	0	--
Phenanthrene	ug/kg	--	5.1 U	5.2 U	7.1	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1 U	5.1 U
Pyrene	ug/kg	--	10	5.2 U	17	5.2 U	5.2 U	5.1 U	5.1 U	5.4 U	--	5.2 U	5.2 U	5.3 U	--	5.1	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	690 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	690 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	15	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.1 U	0.96 U	0.89 U	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	36.5	10 U	104	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f
	SAMPLE	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		2	5	9	2	0	2	5	9	14	9	0	2	5	9	14	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	3	1	3	6	10	15	10	1	3	6	10	15	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	3	0.5	3	6	10	15	10	0.5	3	6	10	15	10
SAMPLE TYPE					Field Duplicate						Field Duplicate						Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1600 U	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	41 U	58 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	83 U	120 U	99 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	41 U	58 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	41 U	58 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	41 U	58 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1c	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1e	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f	AOC1-T1f
	SAMPLE	AOC1-T1c-011	AOC1-T1c-013	AOC1-T1c-014	AOC1-T1c-012	AOC1-T1e-289	AOC1-T1e-290	AOC1-T1e-291	AOC1-T1e-292	AOC1-T1e-294	AOC1-T1e-293	AOC1-T1f-295	AOC1-T1f-296	AOC1-T1f-297	AOC1-T1f-298	AOC1-T1f-300	AOC1-T1f-299
	DATE	10/16/2008	10/16/2008	10/16/2008	10/16/2008	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		2	5	9	2	0	2	5	9	14	9	0	2	5	9	14	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	3	1	3	6	10	15	10	1	3	6	10	15	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	3	0.5	3	6	10	15	10	0.5	3	6	10	15	10
SAMPLE TYPE					Field Duplicate						Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	4.1 U	5.8 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c
	SAMPLE	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025
	DATE	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE		Field Duplicate													Field Duplicate		
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	650 J	590	160	91	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	21	78	34	9.1 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	2.7 J	0.37 U	0.34 U	1.4 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	1.2 J	3.6 J	0.7 U	0.27 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	6 J	2.3 J	0.7 U	1.5 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	7.7 J	16	5.7 J	2.7 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	2.7 J	0.37 U	0.26 U	0.79 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.55 U	1.5 J	0.45 J	0.14 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	1.3 U	0.29 U	0.082 U	0.34 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	2.7 J	5.6 J	1.4 U	0.78 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.31 U	1.1 J	0.58 U	0.31 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	28 U	110 U	44 U	14 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.66 U	0.42 U	0.085 U	0.5 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.066 U	0.12 U	0.05 U	0.027 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.2 U	0.045 U	0.032 U	0.06 U	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	6900 J	7300	1600	610	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	250	95	25	35	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	4.3	11	3.8	1.3	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	12	19	6	2.4	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	12	19	6	2.4	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.26	8.63	8.7	8.75	9.29	9.18	9.33	9.4	--	8.89	9.15
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	--	2 UJ	2 U
Arsenic	mg/kg	--	1 U	1 U	1 U	1.4	4	6	2.7	2.9	3.6	3	3	2.4	--	3.7	3.1
Barium	mg/kg	--	80	81	69	97	110	120	110	110	120	93	89	--	110	88	130
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	--	1.3	1.1	1.1	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.21 U	0.63	0.21 U	0.2 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	0.41 U	0.41 U	--	0.41 U	1.3	0.42 U
Chromium, total	mg/kg	--	30	23	14	26	26	28	19	15	26	26	53	18	--	60	42
Cobalt	mg/kg	9.9	9.4	7.1	6.7	--	7.1	8.7	8.1	7.4	7.3	6.9	6.7	8.4	--	6.3	8.4
Copper	mg/kg	14	13	9.2	9.2	--	10	10	8.3	7.1	9.3	10	8.7	--	9.6	10	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	1 U	1.1	1 U	4.1	4.8	4	2.4	2.1	3.2	3	2.4	1.8	--	5.1	3.3
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	1 U	1 U	1 U	1 U	1 U	2 U	1.1	1 U	1 U	2.4	5.5	1.3	--	1 U	1 U
Nickel	mg/kg	--	17	9.9	8.8	15	12	15	11	11	12	11	12	--	13	11	15
Selenium	mg/kg	--	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	--	1 UJ	1 UJ	1 UJ	1 UJ	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	--	2.1 UJ	2.1 UJ	2.1 UJ	2 UJ	2 U	4 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	--	2 U	2 U
Vanadium	mg/kg	31	31	27	26	--	30	32	28	27	28	23	25	--	29	26	34
Zinc	mg/kg	36	32	30	29	--	38	42	35	36	39	33	32	--	35	44	33
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	8900	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	24000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	19000	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c
	SAMPLE	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025
	DATE	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE		Field Duplicate													Field Duplicate		
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	7800	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	280	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	3000 J	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	310	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	51 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	34 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
Acenaphthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
Acenaphthylene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
Anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	5.8	5.9 U	5.8 U	6 U	5.9 U	6 U	5.9 U	5.9 U	--	29	13
Benzo (a) anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	22	6.5
Benzo (a) pyrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	20	8
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	28	9.5
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	16	7.5
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	17	6.3
Chrysene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	25	8.1
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
Fluoranthene	ug/kg	--	--	--	--	--	5.8	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	41	15
Fluorene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	14	6.3
Naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5 U	5.1 U	5.2 U	5.1 U	--	4.5 U	5 U	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c
	SAMPLE	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025
	DATE	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE		Field Duplicate													Field Duplicate		
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	5.8	0	0	0	0	0	0	0	--	223	80.2
PAH Low molecular weight	ug/kg	--	--	--	--	--	0	0	0	0	0	0	0	0	--	7.9	5.4
Phenanthrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	7.9	5.4
Pyrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	--	40	13
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	680 U	670 U	680 U	670 U	680 U	--	660 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	680 U	670 U	680 U	670 U	680 U	--	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	1 U	1.2 U	1.1 U	--	0.94 U	0.92 U	--	0.87 U	--	1 U
TPH as motor oil	mg/kg	--	--	--	--	--	10 U	10 U	10 U	10 U	12.9	14.4	10.9	10 U	--	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c
	SAMPLE	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025
	DATE	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE		Field Duplicate													Field Duplicate		
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	6 U	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	330 U	6 U	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	6 U	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	6 U	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	52 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Acetone	ug/kg	--	--	--	--	--	--	60 U	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U
Acrolein	ug/kg	--	--	--	--	--	--	120 U	120 U	99 U	--	100 U	140 U	--	89 U	--	99 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	60 U	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U
Benzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Bromoform	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Bromomethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Chloro methane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Chloroethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Chloroform	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Dibromomethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	330 U	6 U	6 U	5 U	340 U	5.2 U	6.8 U	--	4.5 U	330 U	5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	670 U	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	60 U	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	60 U	60 U	50 U	--	52 U	68 U	--	45 U	--	50 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T1g	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2a	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2b	AOC1-T2c	AOC1-T2c
	SAMPLE	AOC1-T1g-352	AOC1-T1g-353	AOC1-T1g-354	AOC1-T1g-355	AOC1-T1g-351	AOC1-T2a-015	AOC1-T2a-016	AOC1-T2a-017	AOC1-T2a-018	AOC1-T2b-019	AOC1-T2b-020	AOC1-T2b-021	AOC1-T2b-022	AOC1-T2b-023	AOC1-T2c-024	AOC1-T2c-025
	DATE	2/17/2017	2/17/2017	2/17/2017	2/17/2017	2/17/2017	10/5/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/8/2008	10/8/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	0	2	5	9	0	2	5	9	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6	10	10	0.5	3
SAMPLE TYPE		Field Duplicate													Field Duplicate		
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Nitrobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	340 U	340 U	330 U	340 U	--	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Styrene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Toluene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Trichloroethene	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Xylene, o-	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U
Xylenes, total	ug/kg	--	--	--	--	--	--	6 U	6 U	5 U	--	5.2 U	6.8 U	--	4.5 U	--	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e
	SAMPLE	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045
	DATE	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	29	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.43	9.36	9.31	8.86	8.95	9.23	9.68	9.78	9.29	9.35	9.39	9.5	--	9.17	9.28	9.13
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	2.3	3.7	3	1 U	1 U	4.5	5.8	9.7	6.4	4.1	5.3	4.4	--	2.9	--	2.6
Barium	mg/kg	81	40	100	120	84	86	56	40	79	62	36	41	--	98	--	98
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U	--	2.1 U	1.1 U	2 U	1.1 U	2.1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	0.24	0.17	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.42 U	0.41 U	5.7	4.3	2.9	0.42 U	0.42 U	0.43 U	0.43 U	0.41 U	0.44 U	--	0.41 U	0.41 U	0.4 U
Chromium, total	mg/kg	22	24	46	970	370	140	26	24	22	28	39	18	--	34	--	44
Cobalt	mg/kg	7.2	9.3	8.2	7.5	6.9	10	10	8.7	8.9	9.3	9	9.1	--	7.5	--	7
Copper	mg/kg	9.1	9.7	10	13	11	14	9.2	--	11	10	9.8	9.8	8.9	9.3	8.4	8.4
CR6 SPLP	mg/L	--	--	--	0.019 J	0.011 J	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.8	2.6	2.9	4.7	3.9	3.1	3	--	3.6	2.1	2.2	2.8	2.7	3.4	3.2	2.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	2.9	1.5	1.1	2.1 U	2.1 U	--	2.1 U	1.1 U	4.7	2.2	2.1 U	2.2	1.4	5.4
Nickel	mg/kg	13	15	14	11	11	15	16	16	16	17	13	13	--	13	12	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	2.1 U	2.1 U	--	2.1 U	1.1 U	2 U	1.1 U	2.1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2 U	2.1 U	2.1 U	4.2 U	4.2 U	--	4.3 U	2.1 U	4 U	2.2 U	4.2 U	2 U	2 U	2 U
Vanadium	mg/kg	31	35	36	34	26	33	38	34	34	36	33	31	--	29	27	26
Zinc	mg/kg	28	40	36	98	130	68	45	--	42	38	32	31	37	36	--	32
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e
	SAMPLE	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045
	DATE	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008
	SAMPLE TOP DEPTH (FT)	5	9	0	2	5	9	19	29	39	49	59	69	29	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
	SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	5.9 U	6 U	5.9 U	10	6 U	6 U	6.1 U	--	6.2 U	6.1 U	5.9 U	6.2 U	6 U	5.8 U	5.9 U	5.8 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	9	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.7	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	7.2	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	7.3	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Chrysene	ug/kg	5.1 U	5.2 U	5.1 U	9.5	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Fluoranthene	ug/kg	5.1 U	5.2 U	5.1 U	18	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Fluorene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Naphthalene	ug/kg	4.3 U	5.2 U	5.1 U	4.2 U	4.5 U	5.2 U	4.9 U	--	5.4 U	4.9 U	4.3 U	4.5 U	4.5 U	5 U	5.1 U	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e
	SAMPLE	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045
	DATE	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	29	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	72.7	0	0	0	--	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	5.4	0	0	0	--	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.2 U	5.1 U	5.4	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Pyrene	ug/kg	5.1 U	5.2 U	5.1 U	16	5.2 U	5.2 U	5.3 U	--	5.4 U	5.3 U	5.1 U	5.4 U	5.2 U	5 U	5.1 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	670 U	690 U	670 U	680 U	690 U	690 U	700 U	--	710 U	700 U	670 U	710 U	690 U	670 U	670 U	660 U
4-Chloroaniline	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	690 U	670 U	680 U	690 U	690 U	700 U	--	710 U	700 U	670 U	710 U	690 U	670 U	670 U	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	21.4	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	0.91 U	0.96 U	--	0.89 U	0.98 U	1.5 U	1.3 U	--	1.2 U	1 U	1 U	0.95 U	1 U	--	--	0.89 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	17.5	10 U	25.2	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	11.9	41.1
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,1-Dichloroethene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,1-Dichloropropene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e
	SAMPLE	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045
	DATE	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008
	SAMPLE TOP DEPTH (FT)	5	9	0	2	5	9	19	29	39	49	59	69	29	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
	SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,1,1,2-Tetrachloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,1,2-Trichloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,1,2,2-Tetrachloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2-Dibromo-3-chloropropane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2-Dibromoethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2-Dichlorobenzene	ug/kg	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U
1,2-Dichloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2-Dichloropropane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2,3-Trichlorobenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2,3-Trichloropropane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,2,4-Trichlorobenzene	ug/kg	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U
1,2,4-Trimethylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,3-Dichlorobenzene	ug/kg	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U
1,3-Dichloropropane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,3,5-Trimethylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
1,4-Dichlorobenzene	ug/kg	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1600 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Acetone	ug/kg	43 U	54 U	--	42 U	45 U	58 U	49 U	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U
Acrolein	ug/kg	85 U	110 U	--	83 U	89 U	120 U	98 U	--	120 U	98 U	86 U	90 U	90 U	--	--	120 U
Acrylonitrile	ug/kg	43 U	54 U	--	42 U	45 U	58 U	49 U	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U
Benzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Bromobenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Bromochloromethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Bromodichloromethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Bromoform	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Bromomethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Carbon disulfide	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Carbon tetrachloride	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Chloro methane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Chlorobenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Chloroethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Chloroform	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
cis-1,2-Dichloroethene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
cis-1,3-Dichloropropene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Dibromomethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Dichlorodifluoromethane	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Ethyl- benzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Hexachlorobutadiene	ug/kg	4.3 U	5.4 U	340 U	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	330 U	--	6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	43 U	54 U	--	42 U	45 U	58 U	49 U	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U
Methyl isobutyl ketone	ug/kg	43 U	54 U	--	42 U	45 U	58 U	49 U	--	61 U	49 U	43 U	45 U	45 U	--	--	60 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2c	AOC1-T2c	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2d	AOC1-T2e	AOC1-T2e	AOC1-T2e
	SAMPLE	AOC1-T2c-026	AOC1-T2c-027	AOC1-T2d-028	AOC1-T2d-029	AOC1-T2d-030	AOC1-T2d-031	AOC1-T2d-032	AOC1-T2d-034	AOC1-T2d-035	AOC1-T2d-036	AOC1-T2d-037	AOC1-T2d-038	AOC1-T2d-033	AOC1-T2e-042	AOC1-T2e-043	AOC1-T2e-045
	DATE	10/8/2008	10/8/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/8/2008	10/8/2008	10/7/2008	10/16/2008	10/16/2008	10/16/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	19	29	39	49	59	69	29	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	20	30	40	50	60	70	30	0.5	3	6
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
N-Butylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
N-Propylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	340 U	340 U	350 U	--	350 U	350 U	330 U	360 U	340 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
sec-Butylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Styrene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
tert-Butylbenzene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Tetrachloroethene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Toluene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
trans-1,2-Dichloroethene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
trans-1,3-Dichloropropene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Trichloroethene	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Vinyl chloride	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Xylene, m,p-	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Xylene, o-	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U
Xylenes, total	ug/kg	4.3 U	5.4 U	--	4.2 U	4.5 U	5.8 U	4.9 U	--	6.1 U	4.9 U	4.3 U	4.5 U	4.5 U	--	--	6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h
	SAMPLE	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331
	DATE	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016
SAMPLE TOP DEPTH (FT)		9	2	0	2	9	14	19	29	39	49	59	69	39	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	1	3	10	15	20	30	40	50	60	70	40	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	10	15	20	30	40	50	60	70	40	0.5	3	6
SAMPLE TYPE			Field Duplicate											Field Duplicate			
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	3100 J	310	59	--	--	--	--	--	--	930	570	69
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	820 J	0.22 U	11 J	--	--	--	--	--	--	150	56	5.7 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	12 J	0.91 U	0.23 U	--	--	--	--	--	--	3.4 J	2.8 J	0.97 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	21 U	0.46 U	0.39 U	--	--	--	--	--	--	1.1 U	0.22 U	0.12 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	31 U	6.5 J	1.2 U	--	--	--	--	--	--	4.3 U	5.3 J	0.19 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	85	12 J	2.1 J	--	--	--	--	--	--	23	14	1.9 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	89 UJ	17 U	3.8 U	--	--	--	--	--	--	27 U	1.6 J	0.26 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	3.6 J	0.42 U	0.039 U	--	--	--	--	--	--	0.86 U	1.3 U	0.23 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	0.62 U	0.73 U	0.11 U	--	--	--	--	--	--	0.66 U	0.81 U	0.18 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	16	2.1 J	0.22 U	--	--	--	--	--	--	5.9 J	5.8 J	0.9 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	25 U	0.53 U	0.46 U	--	--	--	--	--	--	1.3 U	0.91 U	0.14 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	1200 U	220 U	44 U	--	--	--	--	--	--	290 UJ	130 U	11 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	0.65 U	0.76 U	0.12 U	--	--	--	--	--	--	0.59 U	1.1 J	0.19 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	0.13 U	0.22 U	0.037 U	--	--	--	--	--	--	0.13 U	0.2 J	0.035 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	0.2 U	0.16 U	0.14 J	--	--	--	--	--	--	0.18 U	0.38 U	0.17 U
OCDD	ng/kg	--	--	--	--	35000	3300	640	--	--	--	--	--	--	11000	6700	420
OCDF	ng/kg	--	--	--	--	4200	170	43	--	--	--	--	--	--	720 J	200	10 J
TEQ Avian	ng/kg	--	--	--	--	89	14	3	--	--	--	--	--	--	21	12	1.2
TEQ Human	ng/kg	--	--	--	--	130	18	3.6	--	--	--	--	--	--	34	19	1.9
TEQ Mammals	ng/kg	--	--	--	--	130	18	3.6	--	--	--	--	--	--	34	19	1.9
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.14	--	9	9	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2 U	2 U	4.5	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 UJ	2.1 U	2.1 U
Arsenic	mg/kg	2.5	3.1	7.6	4.4	3.6	2.3	1.8	2.1	2.2	2.8	2.3	2.1	--	1.4	2.1	1 U
Barium	mg/kg	100	90	96	55	90	52	43	50	94	22	69	67	--	120	72	130
Beryllium	mg/kg	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	--	0.22	0.25	30	0.77	0.58	0.25	0.23	0.21 U	0.21 U	0.21 U	--	2.5	0.42	6.8
Chromium, total	mg/kg	20	32	14	17	2100	28	27	21	19	18	18	15	--	100 J	24	200
Cobalt	mg/kg	6.4	7.1	5.3	7.5	8	8.6	8.7	10	--	8.9	9.6	7.5	9	9	11	9.4
Copper	mg/kg	4.9	--	12	11	11	8.9	9.2	9.9	--	15	13	8.4	9.8	9.2 J	9.9	9.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.1	--	7.9	3.1	5.2	2	2	2.1	1.8	1.9	2.1	1.4	--	2.2	2.2	3.4
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.26	0.16	0.16	0.15	0.14	0.12	0.15	0.11	--	0.1 U	0.11 U	0.1 U
Molybdenum	mg/kg	1.1	--	3.2	8.2	8.4	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Nickel	mg/kg	9	--	11	12	10	14	17	14	13	15	14	13	--	17	16	12
Selenium	mg/kg	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U
Silver	mg/kg	1 U	--	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Thallium	mg/kg	2.1 U	--	2 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	24	--	25	37	26	33	30	36	36	36	37	29	--	32	34	32
Zinc	mg/kg	27	33	39	40	140	75	53	50	39	37	44	36	--	39	45	85
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h
	SAMPLE	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331
	DATE	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016
SAMPLE TOP DEPTH (FT)		9	2	0	2	9	14	19	29	39	49	59	69	39	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	1	3	10	15	20	30	40	50	60	70	40	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	10	15	20	30	40	50	60	70	40	0.5	3	6
SAMPLE TYPE			Field Duplicate											Field Duplicate			
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
4,4-DDE	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
4,4-DDT	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	--	2.1 U	2.1 U	2.1 U
Aldrin	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
beta-BHC	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
delta-BHC	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Dieldrin	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	--	2.1 U	2.1 U	2.1 U
Endrin	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	--	2.1 U	2.1 U	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Heptachlor	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	--	1 U	1.1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	5.5 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 UJ	--	5.1 U	5.3 U	5.2 U
Toxaphene	ug/kg	--	--	--	--	55 UJ	53 UJ	53 UJ	53 UJ	53 UJ	53 UJ	54 UJ	53 UJ	--	51 UJ	53 UJ	52 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	33 U	34 U	36 U	35 U	35 U	35 U	35 U	35 U	35 U	35 U	--	34 U	35 U	34 U
Aroclor 1232	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	21	17 U
Aroclor 1260	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	17 U	17 U	18 U	18 U	18 U	17 U	--	18 U	18 U	18 U	17 U	17 U	29.5	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Acenaphthene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Anthracene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
B(a)P Equivalent	ug/kg	6 U	--	--	--	6.2 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.2 U	6.1 U	--	6 U	6.1 U	6 U
Benzo (a) anthracene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Benzo (a) pyrene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Benzo (ghi) perylene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Chrysene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Fluoranthene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Fluorene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Naphthalene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h
	SAMPLE	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331
	DATE	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016
SAMPLE TOP DEPTH (FT)		9	2	0	2	9	14	19	29	39	49	59	69	39	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	1	3	10	15	20	30	40	50	60	70	40	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	10	15	20	30	40	50	60	70	40	0.5	3	6
SAMPLE TYPE			Field Duplicate											Field Duplicate			
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	--	--	--	0	0	0	0	0	0	0	0	--	0	0	0
PAH Low molecular weight	ug/kg	0	--	--	--	0	0	0	0	0	0	0	0	--	0	0	0
Phenanthrene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Pyrene	ug/kg	5.2 U	--	--	--	5.4 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.3 U	--	5.2 U	5.3 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	680 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.1 U	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h
	SAMPLE	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331
	DATE	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016
SAMPLE TOP DEPTH (FT)		9	2	0	2	9	14	19	29	39	49	59	69	39	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	1	3	10	15	20	30	40	50	60	70	40	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	10	15	20	30	40	50	60	70	40	0.5	3	6
SAMPLE TYPE			Field Duplicate											Field Duplicate			
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	53 U	52 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	110 U	100 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	53 U	52 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	52 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	53 U	52 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2e	AOC1-T2e	AOC1-T2f	AOC1-T2f	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2g	AOC1-T2h	AOC1-T2h	AOC1-T2h
	SAMPLE	AOC1-T2e-046	AOC1-T2e-044	AOC1-T2f-301	AOC1-T2f-302	AOC1-T2g-320	AOC1-T2g-321	AOC1-T2g-322	AOC1-T2g-323	AOC1-T2g-324	AOC1-T2g-326	AOC1-T2g-327	AOC1-T2g-328	AOC1-T2g-325	AOC1-T2h-329	AOC1-T2h-330	AOC1-T2h-331
	DATE	10/16/2008	10/16/2008	12/17/2015	12/17/2015	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016
SAMPLE TOP DEPTH (FT)		9	2	0	2	9	14	19	29	39	49	59	69	39	0	2	5
SAMPLE BOTTOM DEPTH (FT)		10	3	1	3	10	15	20	30	40	50	60	70	40	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	3	0.5	3	10	15	20	30	40	50	60	70	40	0.5	3	6
SAMPLE TYPE			Field Duplicate											Field Duplicate			
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	5.3 U	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j
	SAMPLE	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345
	DATE	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	0	2	5	9	14	19	0	2	5	9	2
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	1	3	6	10	15	20	1	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	0.5	3	6	10	15	20	0.5	3	6	10	3
SAMPLE TYPE																	Field Duplicate
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	460	--	--	--	--	670	420	16	910	--	--	190	380 J	120	17	--
1,2,3,4,6,7,8-HpCDF	ng/kg	44	--	--	--	--	88	37	1.6 U	110	--	--	8.7 J	37	19	1.9 J	--
1,2,3,4,7,8-HxCDD	ng/kg	2.3 U	--	--	--	--	1.7 J	2.8 J	0.15 U	1.8 U	--	--	0.93 J	2.4 J	0.38 U	0.16 U	--
1,2,3,4,7,8-HxCDF	ng/kg	0.23 U	--	--	--	--	0.62 U	4.1 J	0.72 J	0.27 U	--	--	0.31 U	--	0.6 U	0.12 U	2.4 J
1,2,3,4,7,8,9-HpCDF	ng/kg	6.4 J	--	--	--	--	10 J	3.4 J	0.3 U	12 U	--	--	1.5 U	3.6 J	1.8 J	0.37 U	--
1,2,3,6,7,8-HxCDD	ng/kg	13	--	--	--	--	14	13	0.88 J	21	--	--	4.6 J	--	3.5 J	0.56 J	6.4 J
1,2,3,6,7,8-HxCDF	ng/kg	0.67 U	--	--	--	--	20 U	1.1 J	0.87 J	1.1 J	--	--	0.3 U	1.9 J	0.59 U	0.4 U	--
1,2,3,7,8-PeCDD	ng/kg	0.75 U	--	--	--	--	0.12 U	1.2 U	0.08 U	1.2 J	--	--	0.25 U	1.5 J	0.12 U	0.045 U	--
1,2,3,7,8-PeCDF	ng/kg	0.24 U	--	--	--	--	0.42 U	0.34 U	0.091 U	0.92 U	--	--	0.098 U	0.15 U	0.097 U	0.092 U	--
1,2,3,7,8,9-HxCDD	ng/kg	4.7 J	--	--	--	--	2.6 U	4.5 J	0.36 U	4.7 J	--	--	1.4 U	4.7 J	1.2 J	0.25 U	--
1,2,3,7,8,9-HxCDF	ng/kg	0.68 U	--	--	--	--	0.72 U	0.81 U	0.72 U	1.3 J	--	--	0.36 U	--	0.7 U	0.14 U	0.79 J
2,3,4,6,7,8-HxCDF	ng/kg	240 U	--	--	--	--	220 U	80 U	6 U	280 U	--	--	21 U	--	42 U	5.2 U	41 U
2,3,4,7,8-PeCDF	ng/kg	0.86 J	--	--	--	--	0.13 U	0.79 U	0.096 U	0.47 U	--	--	0.26 U	--	0.22 U	0.097 U	0.68 J
2,3,7,8-TCDD	ng/kg	0.13 U	--	--	--	--	0.044 U	0.12 U	0.029 U	0.039 U	--	--	0.052 U	0.28 J	0.11 U	0.065 U	--
2,3,7,8-TCDF	ng/kg	0.23 J	--	--	--	--	0.22 U	0.18 U	0.14 U	0.28 J	--	--	0.1 U	--	0.55 J	0.33 U	0.19 U
OCDD	ng/kg	5400	--	--	--	--	9800	5800	170	10000	--	--	2900	4000 J	1700	190	--
OCDF	ng/kg	250	--	--	--	--	610	150	9.4 J	730	--	--	21 J	--	99	10 J	33
TEQ Avian	ng/kg	16	--	--	--	--	15	7.9	0.75	20	--	--	2.2	8.6	3.6	0.65	--
TEQ Human	ng/kg	21	--	--	--	--	25	14	0.91	32	--	--	4.8	13	4.8	0.71	--
TEQ Mammals	ng/kg	21	--	--	--	--	25	14	0.91	32	--	--	4.8	13	4.8	0.71	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Arsenic	mg/kg	1 U	1.7	1.5	1.9	2.2	1.8	1.3	1 U	1.2	1 U	1.2	1 U	1 U	1.7	1 U	--
Barium	mg/kg	100	42	58	40	44	92	89	89	110	100	130	93	80 J	64	81	--
Beryllium	mg/kg	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.94	0.29	0.23	0.21 U	0.21 U	0.61	0.55	0.29	0.31	0.28	0.27	0.6	--	0.21 U	0.37	0.39
Chromium, total	mg/kg	28	19	18	18	17	28	25	16	40	17	18	31	21	18	16	--
Cobalt	mg/kg	8.7	7.1	9.1	8.9	7.9	7.8	7.8	7.8	7.9	9	8.7	11	8.3 J	8.7	7.4	--
Copper	mg/kg	16	9	12	8.9	8	10	9.2	10	12	9.5	14	8.8	9.3	9.2	6.4	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.4	1.1	1.3	1.2	1.6	2.6	2.5	3.5	4.8	1.4	1.3	1.9	2.4	1.4	1.3	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	13	11	12	14	13	13	12	10	13	12	15	15	--	11	10	9.1
Selenium	mg/kg	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Vanadium	mg/kg	31	26	31	31	30	31	27	27	28	35	31	48	35	33	41	--
Zinc	mg/kg	44	33	41	34	35	36	34	40	40	38	39	40	32	31	33	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j
	SAMPLE	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345
	DATE	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	0	2	5	9	14	19	0	2	5	9	2
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	1	3	6	10	15	20	1	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	0.5	3	6	10	15	20	0.5	3	6	10	3
SAMPLE TYPE																	Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
4,4-DDE	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
4,4-DDT	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Aldrin	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
alpha-BHC	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
beta-BHC	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
delta-BHC	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Dieldrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Endrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Heptachlor	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Methoxy chlor	ug/kg	5.1 U	5.2 U	5.2 U	5.2 UJ	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Toxaphene	ug/kg	51 UJ	52 UJ	52 UJ	52 UJ	53 UJ	52 UJ	51 UJ	52 UJ	51 UJ	51 UJ	51 UJ	52 UJ	--	52 UJ	52 UJ	51 UJ
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1221	ug/kg	34 U	35 U	35 U	34 UJ	35 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	18	17 U	39	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	26.5	17 U	47.5	17 U	17 U	17 U	17 U	17 U	17 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Anthracene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	6 U	6.1 U	6 U	6 U	6 U	5.9 U	6 U	5.9 U	5.9 U	5.9 U	6 U	--	6 U	6 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Chrysene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Fluorene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j
	SAMPLE	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345
	DATE	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	0	2	5	9	14	19	0	2	5	9	2
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	1	3	6	10	15	20	1	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	0.5	3	6	10	15	20	0.5	3	6	10	3
SAMPLE TYPE																	Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--
Phenanthrene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Pyrene	ug/kg	5.1 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	5.2 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j
	SAMPLE	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345
	DATE	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	0	2	5	9	14	19	0	2	5	9	2
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	1	3	6	10	15	20	1	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	0.5	3	6	10	15	20	0.5	3	6	10	3
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2h	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2i	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T2j
	SAMPLE	AOC1-T2h-332	AOC1-T2h-333	AOC1-T2h-334	AOC1-T2h-335	AOC1-T2h-336	AOC1-T2i-337	AOC1-T2i-338	AOC1-T2i-339	AOC1-T2i-340	AOC1-T2i-341	AOC1-T2i-342	AOC1-T2j-343	AOC1-T2j-344	AOC1-T2j-346	AOC1-T2j-347	AOC1-T2j-345
	DATE	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016	3/5/2016
SAMPLE TOP DEPTH (FT)		9	14	19	29	39	0	2	5	9	14	19	0	2	5	9	2
SAMPLE BOTTOM DEPTH (FT)		10	15	20	30	40	1	3	6	10	15	20	1	3	6	10	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	20	30	40	0.5	3	6	10	15	20	0.5	3	6	10	3
SAMPLE TYPE																	Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c
	SAMPLE	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059
	DATE	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		14	19	19	0	2	5	9	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE				Field Duplicate									Field Duplicate				
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	8.49	9.32	8.94	8.35	8.85	9.11	8.99	9.22	--	8.44	9.2	9.05	9.14
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U
Arsenic	mg/kg	1.5	1.6	--	4.1	4.4	4.2	2.9	2.6	3.1	2.3	2.7	--	4.6	3.5	3.7	2.7
Barium	mg/kg	64	--	57	150	110	110	99	78	120	92	110	--	130	98	130	94
Beryllium	mg/kg	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.26	0.7	--	0.4 U	0.41 U	0.41 U	0.41 U	0.4 U	2.8	0.41 U	0.41 U	--	0.42	0.41 U	1.7	0.4 U
Chromium, total	mg/kg	26	--	30 J	24	19	23	15	23	170	46	17	--	27	30	89	19
Cobalt	mg/kg	10	9.8	--	7.8	7.1	7	7.2	7	6.5	7	7.3	--	6.5	8.9	8.8	8.2
Copper	mg/kg	12	--	9.3	11	9	12	10	8	13	8.6	7.7	--	11	9.7	12	10
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.1	--	2	8.4	4.2	14	1.9	3.1	9.1	2.3	--	1.9	7	3.4	5.8	2.4
Mercury	mg/kg	0.11 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	--	1 U	1 U	1.7	1 U	1 U	1 U	4.6	1.1	--	1 U	1 U	1.4	1 U
Nickel	mg/kg	14	--	14 J	14	13	12	9.8	11	12	12	--	9.5	12	14	14	12
Selenium	mg/kg	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U
Vanadium	mg/kg	42	--	40	33	29	28	26	35	26	25	--	29	29	33	34	32
Zinc	mg/kg	44	46	--	47	37	39	33	29	120	34	--	32	46	39	65	36
Metals CLP																	
Aluminum	mg/kg	--	--	--	11000	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	24000	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	18000	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c
	SAMPLE	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059
	DATE	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		14	19	19	0	2	5	9	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE				Field Duplicate									Field Duplicate				
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	7700	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	290	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2900	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	250 U	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1.1 U	1.1 U	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.3 U	--	5.3 U	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	53 UJ	--	53 UJ	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 U	18 U	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	35 U	35 U	--	33 U	33 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	18 U	18 U	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	18 U	18 U	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	18 U	18 U	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	18 U	18 U	--	63	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	18 U	18 U	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	18 U	18 U	--	71.5	17 U	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.1 U	6.1 U	--	13	5.9 U	5.8 U	5.9 U	5.8 U	23	5.9 U	5.9 U	--	10	5.8 U	5.9	5.9 U
Benzo (a) anthracene	ug/kg	5.3 U	5.3 U	--	6.5	5.1 U	5 U	5.1 U	5 U	15	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.3 U	5.3 U	--	8.4	5.1 U	5 U	5.1 U	5 U	16	5.1 U	5.1 U	--	5.9	5 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.3 U	5.3 U	--	11	5.1 U	5 U	5.1 U	5 U	14	5.1 U	5.1 U	--	7.9	5 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.3 U	5.3 U	--	7.6	5.1 U	5 U	5.1 U	5 U	13	5.1 U	5.1 U	--	7.4	5 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.3 U	--	12	5.1 U	5 U	5.1 U	5 U	21	5.1 U	5.1 U	--	8.6	5 U	5.1 U	5.1 U
Chrysene	ug/kg	5.3 U	5.3 U	--	14	5.1 U	5 U	5.1 U	5 U	20	5.1 U	5.1 U	--	11	5 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.3 U	5.3 U	--	25	5.1 U	5 U	5.1 U	5 U	25	5.1 U	5.1 U	--	14	5 U	6.3	5.1 U
Fluorene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.3 U	--	7	5.1 U	5 U	5.1 U	5 U	12	5.1 U	5.1 U	--	5.3	5 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.3 U	5.3 U	--	5 U	5.1 U	5 U	5.1 U	5 U	5.3 U	4.7 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c
	SAMPLE	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059
	DATE	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		14	19	19	0	2	5	9	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE				Field Duplicate									Field Duplicate				
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	--	113	0	0	0	0	159	0	0	--	72.1	0	12.1	0
PAH Low molecular weight	ug/kg	0	0	--	9.2	0	0	0	0	6.8	0	0	--	0	0	0	0
Phenanthrene	ug/kg	5.3 U	5.3 U	--	9.2	5.1 U	5 U	5.1 U	5 U	6.8	5.1 U	5.1 U	--	5.1 U	5 U	5.1 U	5.1 U
Pyrene	ug/kg	5.3 U	5.3 U	--	21	5.1 U	5 U	5.1 U	5 U	23	5.1 U	5.1 U	--	12	5 U	5.8	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	660 U	670 U	670 U	670 U	660 U	690 U	670 U	680 U	--	670 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	660 U	670 U	670 U	670 U	660 U	690 U	670 U	680 U	--	670 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	370	330 U
Butylbenzylphthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	0.93 U	0.95 U	1 U	--	1.1 U	1 U	--	0.95 U	--	1.3 U	1.2 U	1.5 U
TPH as motor oil	mg/kg	--	--	--	10 U	11	14.4	10 U	10 U	24.9	17.6	11.1	--	11.2	10 U	19	10
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,1-Dichloroethene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,1-Dichloropropene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c
	SAMPLE	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059
	DATE	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		14	19	19	0	2	5	9	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE				Field Duplicate									Field Duplicate				
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2-Dibromoethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2-Dichlorobenzene	ug/kg	--	--	--	330 U	5.4 U	5.1 U	6.3 U	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U
1,2-Dichloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2-Dichloropropane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	330 U	5.4 U	5.1 U	6.3 U	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,3-Dichlorobenzene	ug/kg	--	--	--	330 U	5.4 U	5.1 U	6.3 U	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U
1,3-Dichloropropane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
1,4-Dichlorobenzene	ug/kg	--	--	--	330 U	5.4 U	5.1 U	6.3 U	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
2-Hexanone	ug/kg	--	--	--	--	54 U	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Acetone	ug/kg	--	--	--	--	54 U	51 U	63 U	--	55 U	--	52 U	--	--	68 U	70 U	62 U
Acrolein	ug/kg	--	--	--	--	110 U	100 U	130 U	--	110 U	94 U	100 U	--	--	140 U	140 U	120 U
Acrylonitrile	ug/kg	--	--	--	--	54 U	51 U	63 U	--	55 U	47 U	52 U	--	--	68 U	70 U	62 U
Benzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Bromochloromethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Bromodichloromethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Bromoform	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Bromomethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Carbon disulfide	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Carbon tetrachloride	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Chloro methane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Chlorobenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Chloroethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Chloroform	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Cyclohexane	ug/kg	--	--	--	--	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Dibromomethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Ethyl- benzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Hexachlorobutadiene	ug/kg	--	--	--	330 U	5.4 U	5.1 U	6.3 U	330 U	5.5 U	4.7 U	5.2 U	--	330 U	6.8 U	7 U	6.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Methyl acetate	ug/kg	--	--	--	--	6.6	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	54 U	51 U	63 U	--	55 U	47 U	52 U	--	--	68 U	70 U	62 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	54 U	51 U	63 U	--	55 U	47 U	52 U	--	--	68 U	70 U	62 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T2j	AOC1-T2j	AOC1-T2j	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3a	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3b	AOC1-T3c	AOC1-T3c	AOC1-T3c	AOC1-T3c
	SAMPLE	AOC1-T2j-348	AOC1-T2j-349	AOC1-T2j-350	AOC1-T3a-047	AOC1-T3a-048	AOC1-T3a-049	AOC1-T3a-050	AOC1-T3b-051	AOC1-T3b-052	AOC1-T3b-053	AOC1-T3b-054	AOC1-T3b-055	AOC1-T3c-056	AOC1-T3c-057	AOC1-T3c-058	AOC1-T3c-059
	DATE	3/5/2016	3/5/2016	3/5/2016	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/17/2008	10/17/2008	10/17/2008	10/17/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		14	19	19	0	2	5	9	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	20	20	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE				Field Duplicate									Field Duplicate				
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
N-Butylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
N-Propylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Nitrobenzene	ug/kg	--	--	--	330 U	330 U	330 U	330 U	330 U	350 U	330 U	340 U	--	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
sec-Butylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Styrene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
tert-Butylbenzene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Tetrachloroethene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Toluene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Trichloroethene	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Vinyl chloride	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Xylene, m,p-	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Xylene, o-	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U
Xylenes, total	ug/kg	--	--	--	--	5.4 U	5.1 U	6.3 U	--	5.5 U	4.7 U	5.2 U	--	--	6.8 U	7 U	6.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a
	SAMPLE	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.06	8.7	8.83	8.76	9.02	9.13	9.89	9.99	--	9.35	8.9	9.1	9.41	8.87	9.17	9.44
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 UJ	2 U	2 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	4.2	3.9	4	3.7	2.9	3.7	3.6	3.2	--	4.2	3.8	3.3	3.1	3.1	2.8	3.8
Barium	mg/kg	120	99	89	160	83	120	110	100	--	100	130	150	120	150	95	99
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.41 U	0.53	1.3	--	0.42 U	0.42 U	0.41 U	0.4 U	0.82	0.87	0.41 U	0.4 U	0.4 U	0.41 U
Chromium, total	mg/kg	28	26	25	26	21	29	24	19	--	19	27	28	27	21	39	35
Cobalt	mg/kg	7.3	7.7	8.3	6.9	6.3	7.6	9.9	7.7	--	5.5	8.9	9.2	8.3	7.8	9	9
Copper	mg/kg	11	10	11	9.6	7.5	12	9.6	8.8	--	22	19	21	13	13	10	24
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.5	4	3.3	4.3	2.6	8.8 J	3.2	2.4	--	5.9	14	19	5.8	4	3.2	3.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.3	1 U	1 U	1 U	2.2
Nickel	mg/kg	12	14	14	12	10	13	13	12	--	9.4	13	13	13	12	13	17
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U
Vanadium	mg/kg	26	31	34	28	22	33	33	31	--	25	38	36	35	33	32	32
Zinc	mg/kg	51	40	40	36	29	--	39	37	50	33	67	71	47	41	38	38
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	5700	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	18000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	16000	--	--	--	--	--	--

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Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a
	SAMPLE	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	5300	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	200	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	1700	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	240 U	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	50 U	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	33 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	32	6.4	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	5.8	5.9 U	5.9 U	5.9 U	5.8 U	6.2	6 U	6 U	--	5.8	83	300	51	5.8 U	5.8 U	5.8 U
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	59	380	58	5 U	5 U	5 U
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	55	170	34	5 U	5 U	5 U
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.4	5.2 U	5.2 U	--	5 U	69	410	32	5 U	5 U	5 U
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	38	81	19	5 U	5 U	5 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	41	190	40	5 U	5 U	5 U
Chrysene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	64	400	72	5 U	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	11	37	6.3	5 U	5 U	5 U
Fluoranthene	ug/kg	7.1	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5.4	82	560	84	5 U	5 U	5 U
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	34	78	17	5 U	5 U	5 U
Naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
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Needles, California

	LOCATION	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a
	SAMPLE	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	13.9	0	0	0	0	5.4	0	0	--	5.4	535	2870	443	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	16	182	26.4	0	0	0
Phenanthrene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	16	150	20	5 U	5 U	5 U
Pyrene	ug/kg	6.8	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	82	560	81	5 U	5 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	670 U	660 U	--	690 U	680 U	670 U	660 U	680 U	680 U	680 U	660 U	660 U	660 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	670 U	670 U	660 U	--	690 U	680 U	670 U	660 U	680 U	680 U	680 U	660 U	660 U	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 UJ	10 UJ	10 UJ	--	10 UJ	--	10 U
TPH as gasoline	mg/kg	--	1.3 U	1.4 U	1.4 U	--	1.1 U	1.5 U	0.99 U	--	--	1.4 U	1.3 U	1.9 U	--	1.2 U	1.4 U
TPH as motor oil	mg/kg	25 J	15.6 J	10 U	10 U	10 U	--	10 U	10 U	34.3	10 UJ	10 UJ	10 UJ	--	10 UJ	--	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,1-Dichloroethene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,1-Dichloropropene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a
	SAMPLE	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,1,2-Trichloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2-Dibromoethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2-Dichlorobenzene	ug/kg	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U
1,2-Dichloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2-Dichloropropane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2,3-Trichlorobenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2,3-Trichloropropane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,2,4-Trichlorobenzene	ug/kg	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U
1,2,4-Trimethylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,3-Dichlorobenzene	ug/kg	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U
1,3-Dichloropropane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,3,5-Trimethylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
1,4-Dichlorobenzene	ug/kg	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	69 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Acetone	ug/kg	--	65 U	66 U	82 U	--	--	68 U	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U
Acrolein	ug/kg	--	130 U	130 U	160 U	--	--	140 U	160 U	130 U	--	140 U	130 U	160 U	--	140 U	190 U
Acrylonitrile	ug/kg	--	65 U	66 U	82 U	--	--	68 U	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U
Benzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Bromochloromethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Bromodichloromethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Bromoform	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Bromomethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Carbon disulfide	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Carbon tetrachloride	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Chloro methane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Chlorobenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Chloroethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Chloroform	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
cis-1,2-Dichloroethene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
cis-1,3-Dichloropropene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.9 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Dibromomethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Dichlorodifluoromethane	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Ethyl- benzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Hexachlorobutadiene	ug/kg	330 U	6.5 U	6.6 U	8.2 U	330 U	--	6.8 U	7.8 U	6.4 U	330 U	6.9 U	6.6 U	7.9 U	330 U	7.1 U	9.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	660 U	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	6.9 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	65 U	66 U	82 U	--	--	68 U	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U
Methyl isobutyl ketone	ug/kg	--	65 U	66 U	82 U	--	--	68 U	78 U	64 U	--	69 U	66 U	79 U	--	71 U	95 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4a	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4b	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T4c	AOC1-T5a	AOC1-T5a	AOC1-T5a
	SAMPLE	AOC1-T4a-060	AOC1-T4a-061	AOC1-T4a-062	AOC1-T4a-063	AOC1-T4b-064	AOC1-T4b-065	AOC1-T4b-067	AOC1-T4b-068	AOC1-T4b-066	AOC1-T4c-069	AOC1-T4c-070	AOC1-T4c-071	AOC1-T4c-072	AOC1-T5a-073	AOC1-T5a-074	AOC1-T5a-075
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	2	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	6.9 U	--	--	--	--	--
Methylene chloride	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
N-Butylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
N-Propylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	340 U	340 U	340 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
sec-Butylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Styrene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
tert-Butylbenzene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Tetrachloroethene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Toluene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
trans-1,2-Dichloroethene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
trans-1,3-Dichloropropene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Trichloroethene	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Vinyl chloride	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Xylene, m,p-	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Xylene, o-	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U
Xylenes, total	ug/kg	--	6.5 U	6.6 U	8.2 U	--	--	6.8 U	7.8 U	6.4 U	--	6.9 U	6.6 U	7.9 U	--	7.1 U	9.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D
	SAMPLE	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311
	DATE	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE		Field Duplicate											Field Duplicate				Field Duplicate
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	280	44000 J	2500	500	1700	620
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	30	3700	420	86	120	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	1.4 U	--	5.9 J	2.8 U	7.7 J	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	1.2 U	--	9.8 U	0.66 U	13	5.7 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	2.2 U	--	39	4.3 U	10 J	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	9.1 U	--	57	15	38	24
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	1.1 U	89	9.1 U	0.61 U	2.6 U	5.3 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.19 U	23 U	2.1 U	0.77 U	3.2 J	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.6 U	2.9 U	0.41 U	0.28 U	1.3 U	0.15 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	3.7 J	260	13 U	3.6 U	15	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	1.4 U	52 U	11 U	0.77 U	2.3 U	6.6 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	96 U	5900 U	860 U	230 U	340 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	1.3 U	68	1 U	0.3 U	1.4 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.1 U	6.2	0.59 J	0.11 U	0.52 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.54 U	14	0.34 U	0.22 U	0.73 J	0.067 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	2700	340000	28000	5000	22000	5400
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	94	18000 J	2200	290	380	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	7.4	600	58	15	31	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	10	1100	92	21	53	33
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	10	1100	92	21	53	33
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.3	--	8.98	9.13	9.05	9.14	8.91	8.82	9.01	8.83	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	--
Arsenic	mg/kg	--	2.6	2.4	3.3	3.4	3.5	3.7	3.3	3.1	3.5	1.3	--	2.3	1.9	1.8	--
Barium	mg/kg	--	110	73	110	120	120	140	150	130	130	84	--	120	97	110	--
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	--	0.4 U	0.45	0.6	0.41 U	0.4 U	0.88	0.64	0.48	0.2 U	--	2.4	0.33	0.92	0.72
Chromium, total	mg/kg	27	--	26	41	61	23	15	31	36	21	23	69 J	80	23	36	--
Cobalt	mg/kg	7.8	--	6.8	7.2	7.9	9.6	6.7	8.6	7.2	7.7	7.5	--	7.9	8.2	7.3	--
Copper	mg/kg	--	11	11	9.5	9.8	13	8.8	12	12	9.8	8.3	--	9.7	8.3	8.8	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	3.6	4.9	4.4	4.8	3.4	5.8	7.5	11	3.9	6.2	--	3.7	4.8	4.1	--
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Nickel	mg/kg	12	--	11	12	13	13	8.7	13	11	11	11	--	12	14	11	--
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Silver	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
Thallium	mg/kg	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	--
Vanadium	mg/kg	--	30	28	32	31	39	27	35	31	32	26	--	32	31	27	--
Zinc	mg/kg	--	38	33	38	41	41	37	53	49	39	33	72 J	42	40	36	52
Metals CLP																	
Aluminum	mg/kg	--	--	6500	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	15000	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	16000	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D
	SAMPLE	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311
	DATE	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE		Field Duplicate											Field Duplicate				Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	5600	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	210	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1800	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	210 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	--	--	--	34 U	34 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	--	--	97	240 J	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	17 U	--	--	--	--	--	--	--	106	249	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--
2-Methyl naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--
Acenaphthene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--
Acenaphthylene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--
Anthracene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	16	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--
B(a)P Equivalent	ug/kg	--	5.9 U	5.8 U	6.1	5.9 U	5.9 U	9.1	13	71	5.9 U	14	60	5.8 U	5.9 U	6.3	--
Benzo (a) anthracene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	6.1	84	5.1 U	6.8	--	5 U	5.1 U	5.1 U	--
Benzo (a) pyrene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.4	8.3	45	5.1 U	9.6	--	5 U	5.1 U	5.1 U	--
Benzo (b) fluoranthene	ug/kg	--	5.1 U	5 U	5.1	5.1 U	5.1 U	6.6	7.6	58	5.1 U	11	--	5 U	5.1 U	6.5	--
Benzo (ghi) perylene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.7	6.6	25	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	--
Benzo (k) fluoranthene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	7.7	11	58	5.1 U	6.5	--	5 U	5.1 U	5.1 U	--
Chrysene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	7.3	9.7	91	5.1 U	10	32	5 U	5.1 U	5.8	--
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	8.8	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	--
Fluoranthene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	8.8	14	220	5.1 U	14	73	5 U	5.1 U	8.9	--
Fluorene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	6.1	26	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	--
Naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5.2 U	5 U	5.1 U	5.1 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D
	SAMPLE	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311
	DATE	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE		Field Duplicate											Field Duplicate				Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	0	0	5.1	0	0	49.5	82.4	766	0	71.9	--	0	0	30.1	--
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	0	0	78	0	0	28	0	0	0	--
Phenanthrene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	62	5.1 U	5.1 U	28	5 U	5.1 U	5.1 U	--
Pyrene	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	8	13	150	5.1 U	14	63	5 U	5.1 U	8.9	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	670 U	660 U	670 U	670 U	670 U	660 U	660 U	660 U	670 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	670 U	660 U	670 U	670 U	670 U	660 U	660 U	660 U	670 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
Phenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1.6 U	--	1.5 U	1.3 U	1.3 U	--	1.7 U	1.1 U	1.2 U	--	--	--	--	--	--
TPH as motor oil	mg/kg	16.5 J	--	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D
	SAMPLE	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311
	DATE	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE		Field Duplicate											Field Duplicate				Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U	8.8 U	5.9 U	6 U	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	74 U	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Acetone	ug/kg	--	70 U	--	74 U	65 U	88 U	--	88 U	59 U	60 U	--	--	--	--	--	--
Acrolein	ug/kg	--	140 U	--	150 U	130 U	180 U	--	180 U	120 U	120 U	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	70 U	--	74 U	65 U	88 U	--	88 U	59 U	60 U	--	--	--	--	--	--
Benzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Bromobenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Bromoform	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Bromomethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Chloro methane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Chloroethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Chloroform	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	7.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Dibromomethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	7 U	330 U	7.4 U	6.5 U	8.8 U	330 U	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	7.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	70 U	--	74 U	65 U	88 U	--	88 U	59 U	60 U	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	70 U	--	74 U	65 U	88 U	--	88 U	59 U	60 U	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

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PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5a	AOC1-T5a	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5b	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5c	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D	AOC1-T5D
	SAMPLE	AOC1-T5a-077	AOC1-T5a-076	AOC1-T5b-078	AOC1-T5b-079	AOC1-T5b-080	AOC1-T5b-081	AOC1-T5c-082	AOC1-T5c-083	AOC1-T5c-084	AOC1-T5c-085	AOC1-T5D-304	AOC1-T5D-306	AOC1-T5D-307	AOC1-T5D-308	AOC1-T5D-309	AOC1-T5D-311
	DATE	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	10/4/2008	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		9	9	0	2	5	9	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		10	10	0.5	3	6	10	0.5	3	6	10	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE		Field Duplicate											Field Duplicate				Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	7.4 U	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	340 U	330 U	340 U	330 U	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Styrene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Toluene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Trichloroethene	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Xylene, o-	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--
Xylenes, total	ug/kg	--	7 U	--	7.4 U	6.5 U	8.8 U	--	8.8 U	5.9 U	6 U	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D
	SAMPLE	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312
	DATE	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016
SAMPLE TOP DEPTH (FT)		19	2	0	2.5	5.5	9.5	2.5	0	2.5	5.5	9.5	9.5	0	2.5	5.5	0
SAMPLE BOTTOM DEPTH (FT)		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	240
1,2,3,4,6,7,8-HpCDF	ng/kg	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13
1,2,3,4,7,8-HxCDD	ng/kg	4 J	79	--	--	--	--	--	--	--	--	--	--	--	--	--	0.84 U
1,2,3,4,7,8-HxCDF	ng/kg	--	360	--	--	--	--	--	--	--	--	--	--	--	--	--	0.051 U
1,2,3,4,7,8,9-HpCDF	ng/kg	20	130 J	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 J
1,2,3,6,7,8-HxCDD	ng/kg	--	880	--	--	--	--	--	--	--	--	--	--	--	--	--	3.8 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.34 U
1,2,3,7,8-PeCDD	ng/kg	0.27 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.49 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.23 U
1,2,3,7,8,9-HxCDD	ng/kg	7.1 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.34 J
2,3,4,6,7,8-HxCDF	ng/kg	370 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58 U
2,3,4,7,8-PeCDF	ng/kg	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.27 U
2,3,7,8-TCDD	ng/kg	0.083 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.31 J
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2100
OCDF	ng/kg	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--	48
TEQ Avian	ng/kg	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.7
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.3
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	8.19	8.81	8.78	8.71	--	8.54	8.89	8.76	8.79	--	8.6	9.42	8.85	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	1 U	5.3	3.2	--	2.3	3.2	3.2	3	3.4	2.9	3	--	2.9	5.1	2.4	3.7
Barium	mg/kg	120 J	230	96	--	94	110	110	110	130	100	110	--	81	94	110	110 J
Beryllium	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	2.7	0.4 U	0.41 U	0.41 U	0.41 U	--	0.4 U	0.4 U	0.4 U	0.4 U	--	0.4 U	0.41 U	0.41 U	0.2 UJ
Chromium, total	mg/kg	23	--	20	21	16	20	--	26	18	22	27	--	18	26	21	19
Cobalt	mg/kg	9.5	6.6	6.3	--	7.2	7	6.9	6.3	5.7	7.3	7.9	--	6.4	6.6	9	6.7
Copper	mg/kg	8.8	17	11	--	7.9	8.7	8.9	9	7.1	10	10	--	8.7	9.7	9.4	7.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.8	18	5.6	--	3.9	12	5.6	5.5	4.4	3.2	8.5 J	--	3.2	5.1	2.9	2.4
Mercury	mg/kg	0.099 U	--	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	14	12	11	--	10	11	11	10	8.5	12	13	--	10	11	13	9.9
Selenium	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	--	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2.4
Vanadium	mg/kg	33	28	28	31	33	32	--	31	25	30	33	--	25	29	32	28
Zinc	mg/kg	--	--	47	40	34	40	--	41	29	36	39	--	39	37	37	100
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	6300	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	14000	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	15000	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D
	SAMPLE	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312
	DATE	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016
SAMPLE TOP DEPTH (FT)		19	2	0	2.5	5.5	9.5	2.5	0	2.5	5.5	9.5	9.5	0	2.5	5.5	0
SAMPLE BOTTOM DEPTH (FT)		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	5300	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	200	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1600	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	210	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	50 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	33 U	--	--	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--	--	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	--	11	--	5.9 U	5.9 U	5.9 U	6.1	5.8 U	5.9 U	--	5.8 U	5.8	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	30	5.4	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	24	6.3	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	58	10	--	5.1 U	5.1 U	5.1 U	5.7	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5 U	5.3	8.8	--	5.1 U	5.1 U	5.1 U	6	5 U	5.1 U	--	5 U	5.5	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	20	6.1	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	5 U	--	9.2	--	5.1 U	5.1 U	5.1 U	5.2	5 U	5.1 U	--	5 U	6.1	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.3 U	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5 U	--	10	--	5.1 U	5.1 U	5.1 U	5.9	5 U	5.1 U	--	5 U	5.6	5.1 U	5.1 U	5.1 U
Fluorene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	6	5.6	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	5 U	--	5 U	3.8 U	4.3 U	3.7 U	--	5 U	4 U	3.7 U	4 U	--	5 U	5 U	4.1 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D
	SAMPLE	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312
	DATE	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016
SAMPLE TOP DEPTH (FT)		19	2	0	2.5	5.5	9.5	2.5	0	2.5	5.5	9.5	9.5	0	2.5	5.5	0
SAMPLE BOTTOM DEPTH (FT)		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	292	71.4	--	0	0	0	22.8	0	0	--	0	17.2	0	0	0
PAH Low molecular weight	ug/kg	0	--	0	--	0	0	0	0	0	0	--	0	0	0	0	0
Phenanthrene	ug/kg	5 U	--	5 U	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	5 U	--	10	--	5.1 U	5.1 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
2-Chloro naphthalene	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2-Chlorophenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2-Methylphenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2-Nitroaniline	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
2-Nitrophenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2,4-Dimethylphenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2,4-Dinitrophenol	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
2,6-Dinitrotoluene	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
3-Nitroaniline	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	660 U	670 U	670 U	670 U	--	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	--
4-Chloroaniline	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
4-Methylphenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
4-Nitroaniline	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
4-Nitrophenol	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Benzoic acid	ug/kg	--	--	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	--
Benzyl alcohol	ug/kg	--	--	660 U	670 U	670 U	670 U	--	660 U	670 U	670 U	--	660 U	660 U	670 U	670 U	--
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Butylbenzylphthalate	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 UJ	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Di-n-octyl phthalate	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Dibenzofuran	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Diethyl phthalate	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Dimethyl phthalate	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Hexachlorobenzene	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Hexachloroethane	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
N-nitrosodiphenylamine	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Pentachlorophenol	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
Phenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	0.71 U	0.73 U	0.7 U	--	0.91 U	0.88 U	0.8 U	--	--	1.1 U	0.71 U	--
TPH as motor oil	mg/kg	--	--	21.4	13.7	10 U	10.5	--	10.9	10 U	10 U	--	10 U	13.5	10 U	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,1-Dichloroethene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,1-Dichloropropene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D
	SAMPLE	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312
	DATE	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016
SAMPLE TOP DEPTH (FT)		19	2	0	2.5	5.5	9.5	2.5	0	2.5	5.5	9.5	9.5	0	2.5	5.5	0
SAMPLE BOTTOM DEPTH (FT)		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2-Dibromoethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2-Dichlorobenzene	ug/kg	--	--	330 U	3.8 U	4.3 U	3.7 U	--	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--
1,2-Dichloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2-Dichloropropane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	3.8 U	4.3 U	3.7 U	--	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,3-Dichlorobenzene	ug/kg	--	--	330 U	3.8 U	4.3 U	3.7 U	--	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--
1,3-Dichloropropane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
1,4-Dichlorobenzene	ug/kg	--	--	330 U	3.8 U	4.3 U	3.7 U	--	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U	--	--
2,2-Dichloropropane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
4-Isopropyltoluene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Acetone	ug/kg	--	--	--	--	43 U	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	76 U	86 U	74 U	--	--	81 U	74 U	79 U	--	--	100 U	82 U	--
Acrylonitrile	ug/kg	--	--	--	38 U	43 U	37 U	--	--	40 U	37 U	40 U	--	--	50 U	41 U	--
Benzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Bromobenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Bromochloromethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Bromodichloromethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Bromoform	ug/kg	--	--	--	3.8 UJ	4.3 U	3.7 U	--	--	4 UJ	3.7 UJ	4 UJ	--	--	5 UJ	4.1 UJ	--
Bromomethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Carbon disulfide	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Carbon tetrachloride	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Chloro methane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Chlorobenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Chloroethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Chloroform	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--
Dibromochloromethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Dibromomethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Ethyl- benzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Hexachlorobutadiene	ug/kg	--	--	330 U	3.8 U	4.3 U	3.7 U	--	330 U	4 U	3.7 U	4 U	--	330 U	5 U	4.1 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	660 U	--	--	--
Isophorone	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
Isopropylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--
Methyl ethyl ketone	ug/kg	--	--	--	38 U	43 U	37 U	--	--	40 U	37 U	40 U	--	--	50 U	41 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	38 U	43 U	37 U	--	--	40 U	37 U	40 U	--	--	50 U	41 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T5D	AOC1-T5D	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6a	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6b	AOC1-T6c	AOC1-T6c	AOC1-T6c	AOC1-T6D
	SAMPLE	AOC1-T5D-310	AOC1-T5D-305	AOC1-T6a-086	AOC1-T6a-088	AOC1-T6a-089	AOC1-T6a-090	AOC1-T6a-087	AOC1-T6b-091	AOC1-T6b-092	AOC1-T6b-093	AOC1-T6b-099	AOC1-T6b-094	AOC1-T6c-095	AOC1-T6c-096	AOC1-T6c-097	AOC1-T6D-312
	DATE	1/12/2016	1/12/2016	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	2/9/2016
SAMPLE TOP DEPTH (FT)		19	2	0	2.5	5.5	9.5	2.5	0	2.5	5.5	9.5	9.5	0	2.5	5.5	0
SAMPLE BOTTOM DEPTH (FT)		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	3	0.5	3	6	10	3	0.5	3	6	10	10	0.5	3	6	0.5
SAMPLE TYPE					Field Duplicate							Field Duplicate					
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--
Methylene chloride	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
N-Butylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
N-Propylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Nitrobenzene	ug/kg	--	--	330 U	--	340 U	340 U	340 U	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	--
p-Chlorotoluene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
sec-Butylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Styrene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
tert-Butylbenzene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Tetrachloroethene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Toluene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Trichloroethene	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Vinyl chloride	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Xylene, m,p-	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Xylene, o-	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--
Xylenes, total	ug/kg	--	--	--	3.8 U	4.3 U	3.7 U	--	--	4 U	3.7 U	4 U	--	--	5 U	4.1 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8
	SAMPLE	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364
	DATE	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017
SAMPLE TOP DEPTH (FT)		2	5	9	9	14	19	14	0	2	5	9	0	2	5	9	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
SAMPLE TYPE					Field Duplicate	Field Duplicate											Field Duplicate
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	17	5.1 J	0.74 U	--	--	--	--	210 J	310	690	93	360	330	80	49	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.66 J	0.24 U	0.093 U	--	--	--	--	21	34	150	15	48	46	4.3 J	5.8 J	--
1,2,3,4,7,8-HxCDD	ng/kg	0.18 U	0.046 U	0.071 U	--	--	--	--	0.65 J	1.9 J	1.1 J	0.15 U	2.2 J	2.4 J	0.26 U	0.15 U	--
1,2,3,4,7,8-HxCDF	ng/kg	0.089 U	0.059 U	0.066 U	--	--	--	--	0.81 J	2.2 J	1.4 U	0.38 J	2.2 J	2.8 J	0.18 U	0.11 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.25 U	0.08 U	--	0.27 J	--	--	--	1.5 U	2.5 J	8.6 J	1 U	3.4 J	3.4 J	0.83 J	0.69 J	--
1,2,3,6,7,8-HxCDD	ng/kg	0.49 J	0.15 U	0.023 U	--	--	--	--	4 J	10 J	19	3.1 J	11 J	12 J	1.5 J	--	3.1 J
1,2,3,6,7,8-HxCDF	ng/kg	0.087 U	0.048 U	0.051 U	--	--	--	--	0.44 U	1.6 U	0.64 U	0.26 U	1.2 U	1.1 U	0.33 U	0.069 U	--
1,2,3,7,8-PeCDD	ng/kg	0.17 U	0.04 U	0.063 U	--	--	--	--	0.32 U	0.65 U	0.22 U	0.099 U	1.2 U	1.4 U	0.2 U	--	0.17 J
1,2,3,7,8-PeCDF	ng/kg	0.076 U	0.062 U	0.029 U	--	--	--	--	0.088 U	0.6 J	0.16 U	0.078 U	1 J	0.79 U	0.19 U	0.082 U	--
1,2,3,7,8,9-HxCDD	ng/kg	0.11 U	0.14 U	0.022 U	--	--	--	--	0.66 U	4.1 J	2.5 J	0.63 U	4.9 J	4.7 J	0.13 U	--	0.92 J
1,2,3,7,8,9-HxCDF	ng/kg	0.1 U	0.069 U	0.061 U	--	--	--	--	0.43 U	0.63 U	0.93 U	0.11 U	0.69 J	0.75 J	0.36 J	0.12 U	--
2,3,4,6,7,8-HxCDF	ng/kg	1.7 U	0.49 U	--	0.096 U	--	--	--	37 U	56 U	190 U	26 U	110 U	100 U	7.8 U	14 U	--
2,3,4,7,8-PeCDF	ng/kg	0.14 U	0.056 U	0.03 U	--	--	--	--	0.069 U	0.64 U	0.17 U	0.081 U	0.64 U	0.86 U	0.047 U	0.085 U	--
2,3,7,8-TCDD	ng/kg	3.5 U	2.6 U	0.94 U	--	--	--	--	0.13 U	0.15 U	0.051 U	0.041 U	0.17 U	0.072 U	0.025 U	--	0.029 U
2,3,7,8-TCDF	ng/kg	0.2 U	0.14 U	0.17 J	--	--	--	--	0.038 U	0.094 U	0.1 U	0.045 U	0.25 J	0.25 U	0.036 U	--	0.024 U
OCDD	ng/kg	100	41	4.5 U	--	--	--	--	2100 J	3600	7600	1000	4000	3100	470	590	--
OCDF	ng/kg	1.5 J	0.32 U	0.13 U	--	--	--	--	68 J	65	610	51	130	110	14 J	--	39
TEQ Avian	ng/kg	2.2	1.5	--	1.5	--	--	--	3	5.6	14	1.9	9.2	8.6	0.82	--	2.5
TEQ Human	ng/kg	2.2	1.5	--	1.3	--	--	--	5.7	9.8	23	3.2	14	13	1.7	--	4
TEQ Mammals	ng/kg	2.2	1.5	--	1.3	--	--	--	5.7	9.8	23	3.2	14	13	1.7	--	4
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	--	2 U	2 U	--	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2 U
Arsenic	mg/kg	2.6	1.3	--	3.9	--	2.6	3.1	1.1	1 U	1 U	1.2	1 U	1 U	1.5	1 U	--
Barium	mg/kg	96	110	--	40	91 J	65	--	84	58	72	78	57	60	47	--	63
Beryllium	mg/kg	1 U	1 U	1 U	--	--	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1 U	--	--	1 U	1 U	1.3	1.1	1.1	1.3	1.2	1	1.2	1.1	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.32 J	0.24 J	0.21 UJ	--	0.2 UJ	0.2 UJ	--	0.21 U	0.33	0.43	0.21 U	0.23	0.21 U	0.21 U	0.22	--
Chromium, total	mg/kg	19	19	16	--	19	24	--	23	27	18	17	43	18	14	--	17 J
Cobalt	mg/kg	8.4	9.1	7.6	--	9.5	9.7	--	8.2	6.4	6.5	7.3	7.8	6.1	7.3	--	6.8
Copper	mg/kg	11	11	--	9.5	9.9	10	--	13	8.9	8.9	10	11	17	8.6	--	9.2
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.3	1.7	--	1.7	1.7	1.2	--	1.1 U	1.1	7.1	1 U	1.1	1.1	1.1 U	1 U	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	--
Molybdenum	mg/kg	1 U	1 U	1 U	--	--	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	--
Nickel	mg/kg	12	13	12	--	14	15	--	13	10	8.5	9.5	16	8.8	9.9	7.9 J	--
Selenium	mg/kg	1 U	1 U	1 U	--	--	1 U	1 U	1.1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.1 UJ	1 UJ	--
Silver	mg/kg	1 U	1 U	1 U	--	--	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	--
Thallium	mg/kg	2.1 U	2.3	2.6	--	--	2.2	2.4	2.1 UJ	2 UJ	2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	--	2 UJ
Vanadium	mg/kg	31	33	--	29	35	37	--	26	24	23	27	22	20	23	--	21
Zinc	mg/kg	38	43	--	36	41	41	--	32	35	30	30	34	28	36	31	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	8200	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	26000	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	0.21 U	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	19000 J	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8
	SAMPLE	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364
	DATE	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017
SAMPLE TOP DEPTH (FT)		2	5	9	9	14	19	14	0	2	5	9	0	2	5	9	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
SAMPLE TYPE					Field Duplicate	Field Duplicate											Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	6500	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	250	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2000	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	140	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	35 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	6 U	6 U	5.9 U	--	--	5.9 U	5.9 U	400 U	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	5.3 U	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8
	SAMPLE	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364
	DATE	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017
SAMPLE TOP DEPTH (FT)		2	5	9	9	14	19	14	0	2	5	9	0	2	5	9	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
SAMPLE TYPE					Field Duplicate	Field Duplicate											Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	--	--	0	0	0	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	--	--	0	0	0	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.2 U	5.2 U	5.1 U	--	--	5.1 U	5.1 U	350 U	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	740 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8
	SAMPLE	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364
	DATE	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017
SAMPLE TOP DEPTH (FT)		2	5	9	9	14	19	14	0	2	5	9	0	2	5	9	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
SAMPLE TYPE					Field Duplicate	Field Duplicate											Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	110 U	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	5.3 UJ	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	53 U	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T6D	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T7	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8	AOC1-T8
	SAMPLE	AOC1-T6D-313	AOC1-T6D-314	AOC1-T6D-315	AOC1-T6D-316	AOC1-T6D-318	AOC1-T6D-319	AOC1-T6D-317	AOC1-T7-356	AOC1-T7-357	AOC1-T7-358	AOC1-T7-359	AOC1-T8-360	AOC1-T8-361	AOC1-T8-362	AOC1-T8-363	AOC1-T8-364
	DATE	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/19/2017	2/19/2017	2/19/2017	2/19/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017	2/18/2017
SAMPLE TOP DEPTH (FT)		2	5	9	9	14	19	14	0	2	5	9	0	2	5	9	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	10	15	20	15	0.5	3	6	10	0.5	3	6	10	10
SAMPLE TYPE					Field Duplicate	Field Duplicate											Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	350 U	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	5.3 U	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28d-01	AOC28d-01	AOC28d-01	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01
	SAMPLE	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002
	DATE	12/17/2015	12/17/2015	12/17/2015	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010
SAMPLE TOP DEPTH (FT)		0	2	5	0	0.5	2	0	2	0	0	0	0	2	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	0.5	1	3	1	3	1	1	1	0.5	3	0.5	0.5	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	180	20	290	130	66	84	4 J	270	230	270
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	17	3.3 J	21	8.2 J	4.4 J	4.2 J	0.21 J	19	13	19
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	2.3 J	0.63 U	3.7 J	1.9 J	1.5 J	1.5 U	0.15 U	5.8 J	3.4 U	3.2 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	2.3 J	0.3 U	2.2 U	1.2 J	0.55 U	0.87 U	0.1 U	2 J	1.3 J	3.4 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	2.3 U	0.26 U	2.3 J	0.78 U	0.48 U	0.64 U	0.086 U	2.9 J	1.5 J	2.1 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	5.7 J	0.63 U	8.1 J	3.8 J	3 U	3.3 J	0.15 U	10 J	9.2 J	8.4 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	1.8 U	0.29 U	2.3 J	0.76 U	0.58 J	1.2 U	0.087 U	2.3 U	1.9 J	2.6 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	3.1 U	0.49 U	1.7 U	2 U	0.72 U	0.79 U	0.14 U	2.8 J	1.7 U	2.1 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	0.94 J	0.13 U	1.2 J	0.15 U	0.25 U	0.24 U	0.17 U	0.94 U	0.46 U	1.7 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	4.5 J	0.6 U	5.8 J	3.1 J	2 U	2.1 U	0.19 U	10 J	7.4 J	6.2 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	0.36 U	0.33 U	1.5 U	0.31 U	0.097 U	0.3 U	0.099 U	1.2 J	0.42 U	1.4 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	6 U	4.1 U	13 U	4.4 U	2.9 U	5.6 U	0.46 J	10 U	11 U	3.1 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	1.1 U	0.17 U	1.6 J	0.53 J	0.26 U	0.25 U	0.18 U	0.91 U	0.37 U	2.2 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	0.51 U	0.25 U	0.22 U	0.12 U	0.13 U	0.16 U	0.04 U	0.16 U	0.14 U	0.39 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	0.45 U	0.67 J	1.2 U	0.55 U	0.23 U	0.29 U	0.053 U	0.73 J	0.23 U	1.5 U
OCDD	ng/kg	--	--	--	--	--	--	1200	160	2000	820	370	670	25	2000	1800	3700
OCDF	ng/kg	--	--	--	--	--	--	28	9.5 J	48	13 J	6.8 J	6.5 J	0.55 J	30	21 J	38
TEQ Avian	ng/kg	--	--	--	--	--	--	4.4	1.5	5.9	3	1.3	1.5	0.3	7.1	3.6	5.5
TEQ Human	ng/kg	--	--	--	--	--	--	6.3	1.1	8.1	4.2	1.9	2.5	0.26	10	6.7	8
TEQ Mammals	ng/kg	--	--	--	--	--	--	6.3	1.1	8.1	4.2	1.9	2.5	0.26	10	6.7	8
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	2 UJ	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	--	--	--	--	2.3 UJ
Arsenic	mg/kg	--	--	--	3.7	4	3.6	7.9	8.5	7.1	3.4	4	--	--	--	--	1.1 U
Barium	mg/kg	--	--	--	440 J	120	120	470	500	380	160	170	--	--	--	--	230 J
Beryllium	mg/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	1.1 U
Cadmium	mg/kg	--	--	--	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	0.49	0.4 U	0.41 U	--	--	--	--	--	--	--	--	--	0.49
Chromium, total	mg/kg	--	--	--	47	32	20	46	28	26	16	16	--	--	--	--	73 J
Cobalt	mg/kg	--	--	--	6.7	9.6	7.4	7.9	7.3	7.1	6.4	6.3	--	--	--	--	17
Copper	mg/kg	--	--	--	16	13	12	13	12	12	11	15	--	--	--	--	33
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	8.5	10	17	7.6	5.9	8.8	7.4	8.7	--	--	--	--	5.3
Mercury	mg/kg	--	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	0.11 U
Molybdenum	mg/kg	--	--	--	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 UJ
Nickel	mg/kg	--	--	--	19	17	13	29 J	26	28	15	14	--	--	--	--	55 J
Selenium	mg/kg	--	--	--	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 UJ
Silver	mg/kg	--	--	--	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	--	--	--	--	1.1 U
Thallium	mg/kg	--	--	--	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	--	--	--	--	2.3 U
Vanadium	mg/kg	--	--	--	23	32	30	36	36	33	23	22	--	--	--	--	95 J
Zinc	mg/kg	--	--	--	48	47	39	49	34	41	34	40	--	--	--	--	52 J
Metals CLP																	
Aluminum	mg/kg	--	--	--	8400	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	21000	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	20000	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28d-01	AOC28d-01	AOC28d-01	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01
	SAMPLE	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002
	DATE	12/17/2015	12/17/2015	12/17/2015	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010
SAMPLE TOP DEPTH (FT)		0	2	5	0	0.5	2	0	2	0	0	0	0	2	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	0.5	1	3	1	3	1	1	1	0.5	3	0.5	0.5	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	7900	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	310	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2500 J	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	270	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	--	17 UJ	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ
Aroclor 1221	ug/kg	33 U	34 U	34 U	33 U	--	--	33 U	34 U	33 U	33 U	33 U	33 U	34 U	34 U	34 U	37 UJ
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	19 UJ
Aroclor 1254	ug/kg	17 U	17 U	17 U	24	--	--	78	57	110	57	49	70	17 U	26	83	120 J
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	--	38 J	17 U	87	48	37	58	17 U	17 U	65	19 UJ
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	0 U	0 U	0 U	32.5	--	--	133	82.5	214	122	103	145	34 U	51.5	165	149
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ
Acenaphthene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ
Anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	6 U	20	5.8 U	5.9 U	60	68	27	9.5	6.5	18	5.9 U	5.9 U	12	180
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.2 U	14	5 U	5.1 U	47	59 J	21	5.7	5.1 U	12	5.1 U	5.1 U	7.1	190 J
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.2 U	11	5 U	5.1 U	42	48 J	18	5	5.1 U	11	5.1 U	5.1 U	6.8	110 J
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5.2 U	37	5 U	5.1 U	81	88 J	34	11	8.8	28	5.1 U	5.1 U	18	220 J
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.2 U	12	5 U	5.1 U	29	30 J	12	5 U	5.1 U	9.8	5.1 U	5.1 U	6.5	82 J
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.2 U	18	5 U	5.1 U	23	24 J	11	5 U	5.1 U	5.7	5.1 U	5.1 U	5.1 U	82 J
Chrysene	ug/kg	5.1 U	5.1 U	5.2 U	28	5 U	5.1 U	50	61 J	22	6.7	5.7	15	5.1 U	5.1 U	9.9	160 J
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	21 J
Fluoranthene	ug/kg	5.1 U	5.1 U	5.2 U	37	5 U	5.1 U	110	140 J	49	14	10	31	5.1 U	5.1 U	20	480 J
Fluorene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.2 U	12	5 U	5.1 U	27	28 J	11	5 U	5.1 U	8.4	5.1 U	5.1 U	5.4	78 J
Naphthalene	ug/kg	5.1 U	5.1 U	5.2 U	5 U	5 U	4.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 UJ

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28d-01	AOC28d-01	AOC28d-01	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01
	SAMPLE	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002
	DATE	12/17/2015	12/17/2015	12/17/2015	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010
SAMPLE TOP DEPTH (FT)		0	2	5	0	0.5	2	0	2	0	0	0	0	2	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	0.5	1	3	1	3	1	1	1	0.5	3	0.5	0.5	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	193	0	0	509	598	224	55.4	34.3	150	0	0	91.7	1890
PAH Low molecular weight	ug/kg	0	0	0	10	0	0	11	23	5.1	0	0	8.4	0	0	6.5	30
Phenanthrene	ug/kg	5.1 U	5.1 U	5.2 U	10	5 U	5.1 U	11	23 J	5.1	5 U	5.1 U	8.4	5.1 U	5.1 U	6.5	30 J
Pyrene	ug/kg	5.1 U	5.1 U	5.2 U	24	5 U	5.1 U	100	120 J	46	13	9.8	29	5.1 U	5.1 U	18	470 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	660 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	660 U	670 U	670 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	330 U	330 U	810	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	370 UJ
Phenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1.1 U	1.1 U	--	--	0.98 U	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	11	73	12	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28d-01	AOC28d-01	AOC28d-01	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01
	SAMPLE	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002
	DATE	12/17/2015	12/17/2015	12/17/2015	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010
SAMPLE TOP DEPTH (FT)		0	2	5	0	0.5	2	0	2	0	0	0	0	2	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	0.5	1	3	1	3	1	1	1	0.5	3	0.5	0.5	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	4.2 UJ	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	330 U	330 U	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	330 U	330 U	4.2 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	330 U	330 U	4.2 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	330 U	330 U	4.2 U	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	42 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	42 U	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	84 U	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	42 U	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	330 U	330 U	4.2 U	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	42 U	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	42 U	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28d-01	AOC28d-01	AOC28d-01	AOC4-1	AOC4-1	AOC4-1	AOC4-19	AOC4-19	AOC4-20	AOC4-21	AOC4-22	AOC4-33	AOC4-33	AOC4-34	AOC4-35	AOC4-A01
	SAMPLE	AOC28d-01-34006	AOC28d-01-34007	AOC28d-01-34008	AOC4-1-3001	AOC4-1-3002	AOC4-1-3003	AOC4-19-3106	AOC4-19-3107	AOC4-20-3108	AOC4-21-3110	AOC4-22-3112	AOC4-33-3182	AOC4-33-3183	AOC4-34-3184	AOC4-35-3186	AOC4-A01-10002
	DATE	12/17/2015	12/17/2015	12/17/2015	10/14/2008	10/14/2008	10/14/2008	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015	2/14/2017	2/14/2017	2/14/2017	2/14/2017	3/2/2010
SAMPLE TOP DEPTH (FT)		0	2	5	0	0.5	2	0	2	0	0	0	0	2	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	0.5	1	3	1	3	1	1	1	0.5	3	0.5	0.5	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	1	3	0.5	3	0.5	0.5	0.5	0.5	3	0.5	0.5	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05
	SAMPLE	OC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097
	DATE	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate							Field Duplicate				
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	470	27 U	520	200	--	68	55	530	33	110	0.98 U	--	1400	5000	48	140
1,2,3,4,6,7,8-HpCDF	ng/kg	41	2.5 U	58	23	--	5.4 J	3.6 J	28	2.5 U	9.6 J	0.16 U	--	160	490 U	3.7 U	8.7 J
1,2,3,4,7,8-HxCDD	ng/kg	7 J	1.1 U	1.7 U	4.3 J	--	1 U	0.78 U	2 U	0.25 U	1.8 U	0.29 U	--	22	87	0.93 U	2.2 U
1,2,3,4,7,8-HxCDF	ng/kg	6.2 U	0.6 U	8.4 J	--	3.4 U	0.83 U	0.62 J	1.6 U	0.17 U	2.5 J	0.19 U	--	43 U	130 U	1.1 U	1.1 J
1,2,3,4,7,8,9-HpCDF	ng/kg	2.2 U	0.38 U	1.3 U	2.5 J	--	0.99 J	0.29 U	1.7 J	0.17 U	0.84 J	0.19 U	--	13	48	0.31 U	0.9 J
1,2,3,6,7,8-HxCDD	ng/kg	17	1.1 U	7.4 U	9.1 J	--	3.2 J	2.1 J	9.2 J	1.5 J	4.4 J	0.29 U	--	59	220	2.5 J	6 J
1,2,3,6,7,8-HxCDF	ng/kg	2.7 U	0.34 U	2 U	--	3.1 J	0.87 J	0.47 J	0.79 U	0.33 U	1.9 U	0.17 U	--	33	100	0.83 J	0.87 J
1,2,3,7,8-PeCDD	ng/kg	3.9 U	1.4 U	1.2 U	--	1.9 U	0.21 U	0.13 U	0.21 U	0.3 U	1 U	0.42 U	--	16 U	56	0.76 U	0.15 U
1,2,3,7,8-PeCDF	ng/kg	1.5 U	0.38 U	1.8 U	2.5 J	--	0.47 J	0.3 U	0.46 J	0.14 U	2.1 J	0.3 U	--	21	67	0.91 U	0.59 J
1,2,3,7,8,9-HxCDD	ng/kg	14	1.1 U	2.5 U	7.7 J	--	2.2 J	1.5 J	4.3 J	1.3 J	3.1 J	0.29 U	--	43	170	1.1 UJ	4.3 J
1,2,3,7,8,9-HxCDF	ng/kg	1.8 U	0.41 U	2.3 U	--	0.36 U	0.62 J	0.2 J	0.6 J	0.19 U	0.99 U	0.35 U	--	11 J	39	0.58 U	0.47 U
2,3,4,6,7,8-HxCDF	ng/kg	5.4 U	0.39 U	4.1 U	4.8 J	--	3.1 U	2.5 U	5.3 U	2.6 U	1.8 J	0.2 U	--	48	140	0.88 U	7 U
2,3,4,7,8-PeCDF	ng/kg	4 U	0.37 U	1.5 U	--	2.4 J	0.26 U	0.29 U	0.42 J	0.14 U	4.8 U	0.3 U	--	36	100	1.3 J	0.56 J
2,3,7,8-TCDD	ng/kg	0.96 U	0.21 U	0.21 U	0.59 J	--	0.33 U	0.11 J	0.078 U	0.12 U	0.16 U	--	0.17 U	3 J	14	0.19 U	0.37 U
2,3,7,8-TCDF	ng/kg	2.9 U	1.1 U	1 U	--	1.5 U	0.9 U	0.63 J	0.65 J	0.32 U	2.1 J	--	0.25 U	16	34	0.89 J	0.94 J
OCDD	ng/kg	5300	180	10000	1800	--	430	450	10000 J	280	1000	7.5 U	--	11000	35000	330	1100
OCDF	ng/kg	39	3.6 U	46	29	--	7.6 J	5.4 J	83	4 J	10 J	--	0.34 U	120	330	3.1 J	17 J
TEQ Avian	ng/kg	10	1.8	5.6	7.2	--	1.7	1.5	4.1	0.84	6.6	--	0.71 U	87	280	3.1	3.3
TEQ Human	ng/kg	15	1.4	12	8.3	--	2.2	1.7	11	1.1	4.5	0.47 U	--	67	250	2.1	4.1
TEQ Mammals	ng/kg	15	1.4	12	8.3	--	2.2	1.7	11	1.1	4.5	0.47 U	--	67	250	2.1	4.1
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.3 U	2.4 U	--	2 U	2 U	2 U	2 UJ	2.4 U	2.2 U	--	11 UJ	2.5	2.2 UJ	2 U
Arsenic	mg/kg	2.5	4.3	3.6	5	--	1.2	1.4	1 U	1 U	5.5	--	4.9	5.4 UJ	4.2	1.1 U	1 U
Barium	mg/kg	330	360	350	270 J	--	140	130	150	180 J	450	250	--	770 J	1300	390 J	180
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 U	1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.7	1.1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.5	0.43 U	0.45 U	0.47 U	--	0.4 U	0.4 U	0.4 U	0.4 U	0.47 U	0.44 U	--	1.9	9.7	0.67	0.4 U
Chromium, total	mg/kg	24	49	21	41	--	13	11	22	31 J	26	24	--	58 J	100	35 J	22
Cobalt	mg/kg	5.3	12	5.8	9.3	--	5.1	4.4	6.2	8.8	9.3	--	8.3	12 J	5.4	9.4	6.4
Copper	mg/kg	14	56	36	24	--	7.4	7.8	7.8	10	17	--	25	81 J	790	7.8	8.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	11	2.7	8.4	--	8.2 J	7.6	7.4	6.8	8.3	2.4	--	8.6	44 J	220	4	7.9
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	--	0.099 U	0.1 U	0.1 U	0.098 U	0.11 U	0.11 U	--	0.29	0.52	0.11 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 UJ	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 UJ	1 U
Nickel	mg/kg	14	30	16	34	--	12	9.8	16	26 J	22	17	--	36 J	24	33 J	17
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	--	1 U	1 U	1 U	1 U	1.2 U	1.1 U	--	5.4 UJ	1.1 U	1.1 U	1 U
Thallium	mg/kg	2.2 U	2.1 U	2.3 U	2.4 U	--	2 U	2 U	2 U	2 UJ	2.4 U	2.2 U	--	11 UJ	2.2 U	2.2 U	2 U
Vanadium	mg/kg	26	56	32	50	--	25	19	29	35 J	60	35	--	65 J	26	38 J	30
Zinc	mg/kg	46	49	38	53	--	35	32	33	40 J	47	--	46	160 J	410	46 J	36
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05
	SAMPLE	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097
	DATE	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE					Field Duplicate							Field Duplicate				
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U
Aroclor 1221	ug/kg	36 UJ	35 U	37 UJ	39 UJ	--	33 U	33 U	33 U	33 U	39 UJ	37 U	--	36 U	36 UJ	37 U	33 U
Aroclor 1232	ug/kg	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U
Aroclor 1242	ug/kg	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U
Aroclor 1248	ug/kg	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U
Aroclor 1254	ug/kg	150 J	170	23 J	90 J	--	19	17 U	16 U	16 U	310 J	18 U	--	220	100 J	19 U	22
Aroclor 1260	ug/kg	18 UJ	18 U	19 UJ	--	19 UJ	17 U	17 U	16 U	16 U	19 UJ	18 U	--	18 U	18 UJ	19 U	16 U
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	17 U	16 U	16 U	--	--	--	--	--	--	16 U
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	17 U	16 U	16 U	--	--	--	--	--	--	16 U
Total PCBs	ug/kg	177	197	110	120	--	46.5	41	34 U	32 U	339	36 U	--	267	157	38 U	46
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U
2-Methyl naphthalene	ug/kg	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U
Acenaphthene	ug/kg	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	5.9	--	5.4 U	5.5 UJ	5.6 U	5 U
Acenaphthylene	ug/kg	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U
Anthracene	ug/kg	5.4 UJ	5.7	5.7 UJ	12 J	--	5 U	5 U	5 U	5 U	13 J	33 J	--	24	10 J	5.6 U	5 U
B(a)P Equivalent	ug/kg	140	120	120	340	--	6.2	5.8 U	5.8 U	5.8 U	300	110	--	970	250	19	14
Benzo (a) anthracene	ug/kg	130 J	130 J	110 J	420 J	--	5 U	5 U	5 U	5 U	410 J	160 J	--	810	250 J	14	7
Benzo (a) pyrene	ug/kg	82 J	70	71 J	190 J	--	5 U	5 U	5 U	5 U	170 J	64 J	--	620	140 J	12	8
Benzo (b) fluoranthene	ug/kg	170 J	190	160 J	520 J	--	6.7	5 U	5 U	5 U	510 J	160 J	--	1200	430 J	24	19
Benzo (ghi) perylene	ug/kg	66 J	49	59 J	140 J	--	5 U	5 U	5 U	5 U	110 J	40 J	--	550	97 J	10	8.7
Benzo (k) fluoranthene	ug/kg	39 J	44	39 J	100 J	--	5 U	5 U	5 U	5 U	97 J	36 J	--	1400	73 J	9	6.7
Chrysene	ug/kg	110 J	97	110 J	260 J	--	5 U	5 U	5 U	5 U	250 J	120 J	--	750	220 J	17	10
Dibenzo (a,h) anthracene	ug/kg	17 J	11	18 J	37 J	--	5 U	5 U	5 U	5 U	30 J	8.5	--	93	31 J	5.6 U	5 U
Fluoranthene	ug/kg	310 J	290	190 J	760 J	--	7	5 U	5 U	5 U	770 J	490 J	--	2100	600 J	35	21
Fluorene	ug/kg	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	62 J	40	57 J	130 J	--	5 U	5 U	5 U	5 U	110 J	32 J	--	440	97 J	7.5	7
Naphthalene	ug/kg	5.4 UJ	5.3 U	5.7 UJ	5.9 UJ	--	5 U	5 U	5 U	5 U	5.9 UJ	--	5.5 U	5.4 U	5.5 UJ	5.6 U	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05
	SAMPLE	AOC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097
	DATE	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate							Field Duplicate				
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	1250	1160	1000	3260	--	20	0	0	0	3100	1470	--	10200	2490	163	106
PAH Low molecular weight	ug/kg	39	36.7	20	82	--	0	0	0	0	123	279	--	164	64	0	0
Phenanthrene	ug/kg	39 J	31	20 J	70 J	--	5 U	5 U	5 U	5 U	110 J	240 J	--	140	54 J	5.6 U	5 U
Pyrene	ug/kg	260 J	240	190 J	700 J	--	6.3	5 U	5 U	5 U	640 J	360 J	--	2200	550 J	34	19
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	360 UJ	350 U	370 UJ	390 UJ	--	330 U	330 U	330 U	330 U	390 UJ	--	360 U	360 U	360 UJ	370 U	330 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05
	SAMPLE	OC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097
	DATE	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate							Field Duplicate				
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-A01minus	AOC4-A01S	AOC4-A02	AOC4-A03	AOC4-A03	AOC4-A04	AOC4-A05	AOC4-A06	AOC4-A06.A07	AOC4-B01	AOC4-B01S	AOC4-B01S	AOC4-B02	AOC4-B03	AOC4-B04	AOC4-B05
	SAMPLE	OC4-A01minus-1000	AOC4-A01S-50001	AOC4-A02-10005	AOC4-A03-10010	AOC4-A25-20002	AOC4-A04-10014	AOC4-A05-10017	AOC4-A06-10021	AOC4-A06.A07-70000	AOC4-B01-10082	AOC4-B01S-50007	AOC4-B25-20004	AOC4-B02-10086	AOC4-B03-10089	AOC4-B04-10093	AOC4-B05-10097
	DATE	3/2/2010	4/21/2010	2/24/2010	3/1/2010	3/1/2010	7/27/2010	7/26/2010	7/26/2010	8/10/2010	3/3/2010	4/21/2010	4/21/2010	3/17/2010	3/3/2010	3/12/2010	7/26/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate							Field Duplicate				
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135
	DATE	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0	0	1	3	6	10	1	3	6	10	10	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE											Field Duplicate		Field Duplicate				
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	350	27	15	5 J	2.1 J	0.77 U	35	0.45 J	1.2 U	0.5 U	--	7500 J	12 J	17	4.7 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	33	2.1 J	1.1 J	0.27 U	0.12 U	0.17 U	1.9 J	0.18 U	0.092 U	0.038 U	--	660 J	0.67 U	0.78 U	0.15 U	--
1,2,3,4,7,8-HxCDD	ng/kg	0.14 U	0.35 U	0.18 U	0.1 U	0.07 U	0.11 U	0.2 U	0.068 U	0.079 U	0.036 U	--	--	0.12 U	0.23 U	0.13 U	17
1,2,3,4,7,8-HxCDF	ng/kg	4.7 J	0.33 U	0.27 U	0.12 U	0.034 U	0.037 U	0.16 U	0.042 U	0.052 U	0.027 U	--	2.8 U	0.21 U	0.29 U	0.22 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	4.1 J	0.21 U	0.33 U	0.22 U	0.15 U	0.19 U	0.37 U	0.065 U	0.056 U	0.048 U	--	--	0.4 U	0.21 U	0.19 U	34 U
1,2,3,6,7,8-HxCDD	ng/kg	10 U	1.2 U	0.48 U	0.078 U	0.069 U	0.052 U	1.5 J	0.034 U	0.048 U	0.036 U	--	170 J	0.12 U	0.28 U	0.22 U	--
1,2,3,6,7,8-HxCDF	ng/kg	2.8 J	0.14 U	0.16 U	0.22 U	0.032 U	0.055 U	0.15 U	0.042 U	0.049 U	0.025 U	--	--	0.2 U	0.27 U	0.2 U	28 U
1,2,3,7,8-PeCDD	ng/kg	0.32 U	0.32 U	0.17 U	0.11 U	0.028 U	0.043 U	0.15 U	0.049 U	0.069 U	--	0.033 U	--	0.08 U	0.063 U	0.042 U	8.9 J
1,2,3,7,8-PeCDF	ng/kg	1.3 J	0.14 U	0.1 U	0.059 U	0.075 U	0.05 U	0.13 U	0.15 U	0.11 U	0.054 U	--	--	0.13 U	0.075 U	0.11 U	5 J
1,2,3,7,8,9-HxCDD	ng/kg	7.1 U	0.91 J	0.17 U	0.074 U	0.066 U	0.07 U	0.77 J	0.033 U	0.046 U	--	0.029 U	46	0.12 U	0.078 U	0.12 U	--
1,2,3,7,8,9-HxCDF	ng/kg	1.3 J	0.19 U	0.14 U	0.14 U	0.04 U	0.24 J	0.18 U	0.038 U	0.061 U	0.031 U	--	3.2 U	0.25 U	0.33 U	0.25 U	--
2,3,4,6,7,8-HxCDF	ng/kg	18 U	0.22 J	1.5 U	0.48 U	0.19 U	0.18 U	4.4 U	0.19 U	0.18 U	0.027 U	--	1400 U	2.7 U	1.8 U	0.22 U	--
2,3,4,7,8-PeCDF	ng/kg	1.8 J	0.14 U	0.11 U	0.063 U	0.081 U	0.097 U	0.14 U	0.16 U	0.12 U	0.058 U	--	--	0.14 U	0.081 U	0.12 U	8 J
2,3,7,8-TCDD	ng/kg	0.087 U	0.13 U	0.029 U	0.045 U	0.037 U	0.61 U	0.22 U	0.068 U	0.038 U	0.021 U	--	0.89 U	0.046 U	0.25 U	0.04 U	--
2,3,7,8-TCDF	ng/kg	1.7 U	0.3 U	0.046 U	0.08 U	0.024 U	0.3 J	0.26 U	0.029 U	0.077 U	--	0.047 U	--	0.12 U	0.075 U	0.069 U	3 J
OCDD	ng/kg	2700	190	130	44	14 J	4.4 U	240	0.99 U	6.8 U	--	7 J	--	93	160	31	36000
OCDF	ng/kg	55	2.7 U	2.5 J	0.61 U	0.13 U	0.11 U	3.6 J	0.085 U	0.051 U	--	0.082 U	2500 J	1.8 U	2.1 U	0.085 U	--
TEQ Avian	ng/kg	6.2	0.68	0.34	0.22	0.11	0.72	0.81	0.18	0.18 U	--	0.18	110	0.4	0.42	0.21	--
TEQ Human	ng/kg	8.2	0.84	0.47	0.22	0.099	0.43	1.1	0.11	0.11 U	--	0.11	190	0.43	0.56	0.19	--
TEQ Mammals	ng/kg	8.2	0.84	0.47	0.22	0.099	0.43	1.1	0.11	0.11 U	--	0.11	190	0.43	0.56	0.19	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 UJ	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	--
Arsenic	mg/kg	1 U	1 U	1 U	1 U	1 U	1.2	1.4	1 U	1.1	--	1 U	2.3	1.1 U	1.2	1.1	--
Barium	mg/kg	190	220	87	82	85	100	71	99	95 J	96	--	--	98	92	57	92 J
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	--	1 U	--	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	--	0.2 U	2.3 J	0.21 U	0.21 U	0.21 U	--
Chromium, total	mg/kg	24	53	14	11	11	30	14	13	13	--	13	48 J	11	28	9.4	--
Cobalt	mg/kg	6.4	13	7.1	7	6.1	9.9	6.2	6.2	7.6	--	6.7	8.8 J	6.7	8.6	5	--
Copper	mg/kg	9	17	9.8	6.2	6.1	7	8.1	6.8	7.9	7.4	--	85 J	9	12	4.9	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	9.7	6.9	2	1.6	1	1.5	1.5	1.3	1.6	1.5	--	--	1.3	1.6	1.2	4.6 J
Mercury	mg/kg	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	0.11 U	0.1 U	0.11 U	0.11 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	17	40	9.8	7.8	7.2	23	11	10	10	--	8.6 J	21 J	8.4	21	7	--
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 UJ	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	--
Vanadium	mg/kg	31	53	29	26	24	37	25	22	30	--	24	31 J	27	28	18	--
Zinc	mg/kg	40	45	30	27	26	33	29	28	32 J	--	34	58 J	31	31	22	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135
	DATE	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0	0	1	3	6	10	1	3	6	10	10	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE											Field Duplicate		Field Duplicate				
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U	18 U	18 U	18 U
Aroclor 1221	ug/kg	33 U	33 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	--	34 U	35 U	35 U	35 U	35 U	--
Aroclor 1232	ug/kg	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U	18 U	18 U	18 U
Aroclor 1242	ug/kg	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U	18 U	18 U	18 U
Aroclor 1248	ug/kg	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U	18 U	18 U	18 U
Aroclor 1254	ug/kg	53	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	71	17 U	18 U	18 U	--
Aroclor 1260	ug/kg	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	--	17 U	18 U	18 U	18 U
Aroclor 1262	ug/kg	16 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	16 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	80	34 U	34 U	34 U	34 U	34 U	34 U	34 U	34 U	--	34 U	--	34 U	36 U	36 U	137
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
B(a)P Equivalent	ug/kg	31	5.8 U	5.9 U	5.9 U	5.9 U	6 U	6 U	5.9 U	6 U	--	5.9 U	18	6.1 U	6.1 U	6.1 U	--
Benzo (a) anthracene	ug/kg	21	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	12	5.3 U	5.3 U	5.3 U	--
Benzo (a) pyrene	ug/kg	18	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	12	5.3 U	5.3 U	5.3 U	--
Benzo (b) fluoranthene	ug/kg	41	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U	5.3 U	5.3 U	9.3
Benzo (ghi) perylene	ug/kg	18	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Benzo (k) fluoranthene	ug/kg	16	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	9.2	5.3 U	5.3 U	5.3 U	--
Chrysene	ug/kg	24	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U	5.3 U	5.3 U	6.1
Dibenzo (a,h) anthracene	ug/kg	5	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Fluoranthene	ug/kg	54	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U	5.3 U	5.3 U	9.3
Fluorene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	15	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135
	DATE	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0	0	1	3	6	10	1	3	6	10	10	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE											Field Duplicate		Field Duplicate				
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	257	0	0	0	0	0	0	0	0	--	0	111	0	0	0	--
PAH Low molecular weight	ug/kg	12	0	0	0	0	0	0	0	0	--	0	--	0	0	0	0
Phenanthrene	ug/kg	12	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	5.3 U	5.3 U	5.3 U	5.3 U	--
Pyrene	ug/kg	45	5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.2 U	--	5.1 U	--	5.3 U	5.3 U	5.3 U	8.6
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	330 U	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135
	DATE	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0	0	1	3	6	10	1	3	6	10	10	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE											Field Duplicate		Field Duplicate				
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-B06	AOC4-B06.B07	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW1	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW2	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3	AOC4-BCW3
	SAMPLE	AOC4-B06-10101	AOC4-B06.B07-70001	AOC4-BCW1-3126	AOC4-BCW1-3127	AOC4-BCW1-3128	AOC4-BCW1-3129	AOC4-BCW2-3130	AOC4-BCW2-3131	AOC4-BCW2-3132	AOC4-BCW2-3134	AOC4-BCW2-3133	AOC4-BCW3-3136	AOC4-BCW3-3137	AOC4-BCW3-3138	AOC4-BCW3-3139	AOC4-BCW3-3135
	DATE	7/26/2010	8/10/2010	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	2	5	9	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0	0	1	3	6	10	1	3	6	10	10	1	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0.5	3	6	10	0.5	3	6	10	10	0.5	3	6	10	0.5
SAMPLE TYPE											Field Duplicate		Field Duplicate				
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-C01	AOC4-C01S	AOC4-C02
	SAMPLE	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	3/2/2010	4/22/2010	3/29/2010
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	1	3	6	10	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	310	350	13	0.067 U	1.1 U	2.5 J	13	11 J	--	73	23	1.2 J	0.21 U	1100	12 J	690
1,2,3,4,6,7,8-HpCDF	ng/kg	18	22	0.73 U	0.043 U	0.056 U	0.15 U	0.89 J	0.37 U	--	4.5 J	1.4 U	0.12 U	0.044 U	45	1.4 U	37
1,2,3,4,7,8-HxCDD	ng/kg	1.7 U	2 J	0.19 U	0.05 U	--	0.18 J	0.087 U	0.11 U	0.11 J	0.43 U	0.33 J	0.029 U	0.028 U	17	0.21 U	3.9 U
1,2,3,4,7,8-HxCDF	ng/kg	0.51 U	0.41 U	0.12 U	0.065 U	0.061 U	0.07 U	0.061 U	0.11 U	--	0.18 U	0.22 U	0.042 U	0.035 U	12 U	0.3 U	5.7 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.57 U	3.6 U	0.16 U	0.055 U	0.071 U	0.083 U	0.074 U	0.18 U	--	0.52 U	0.39 J	0.049 U	0.056 U	6.2 J	0.15 U	2.2 J
1,2,3,6,7,8-HxCDD	ng/kg	9.2 J	8.4 J	0.53 U	0.049 U	--	0.069 U	0.35 U	0.33 J	0.036 U	1.8 J	0.85 J	0.053 U	0.028 U	40	0.6 U	20
1,2,3,6,7,8-HxCDF	ng/kg	0.47 U	0.99 U	0.11 U	0.06 U	0.056 U	0.065 U	0.057 U	0.099 U	--	0.26 U	0.21 U	0.039 U	0.033 U	6.5 J	0.15 U	2.9 U
1,2,3,7,8-PeCDD	ng/kg	0.86 J	0.62 U	0.096 U	0.13 U	0.067 U	0.071 U	0.068 U	0.1 U	--	0.32 U	0.066 U	0.074 U	0.05 U	7.1 U	0.34 U	2.7 J
1,2,3,7,8-PeCDF	ng/kg	0.87 U	0.68 U	0.13 U	0.11 U	0.057 U	0.069 U	0.12 U	0.068 U	--	0.54 J	0.097 U	0.04 U	0.095 U	4.5 J	0.18 U	2.4 J
1,2,3,7,8,9-HxCDD	ng/kg	4 J	3.6 J	0.15 U	0.096 U	--	0.065 U	0.082 U	0.049 U	0.033 U	1 U	0.44 J	0.068 U	0.027 U	29	0.53 J	9 J
1,2,3,7,8,9-HxCDF	ng/kg	0.59 U	0.48 U	0.13 U	0.075 U	0.071 U	0.081 U	0.071 U	0.12 U	--	0.21 U	0.26 U	0.049 U	0.041 U	3.5 J	0.22 U	1.2 U
2,3,4,6,7,8-HxCDF	ng/kg	58 U	41 U	1.9 U	0.22 U	--	0.072 U	1.8 U	0.11 U	0.39 U	8.9 U	3.3 U	0.2 U	0.17 U	7.3 J	0.96 U	3 J
2,3,4,7,8-PeCDF	ng/kg	0.94 U	0.31 U	0.14 U	0.12 U	0.061 U	0.074 U	0.13 U	0.073 U	--	0.14 U	0.1 U	0.044 U	0.1 U	10 U	0.24 U	0.86 U
2,3,7,8-TCDD	ng/kg	0.15 U	0.27 U	0.045 U	0.14 U	0.053 U	0.21 U	0.27 U	0.085 U	--	0.031 U	0.26 U	0.048 U	0.14 U	1.2 J	0.23 U	0.72 U
2,3,7,8-TCDF	ng/kg	0.31 U	0.47 J	0.31 U	0.11 U	0.089 U	0.12 U	0.081 U	0.15 J	--	0.17 U	0.34 U	0.23 J	0.081 U	4.1 J	0.58 J	1.8 U
OCDD	ng/kg	2700	3000	120	6 J	9.2 J	20 J	150	110	--	820	190	8.3 J	1 U	7500	160	6700
OCDF	ng/kg	50	57	1.7 J	0.028 U	--	0.34 U	2.1 J	0.82 U	0.19 U	15 J	3.3 J	0.093 U	0.067 U	65	2.5 J	54
TEQ Avian	ng/kg	5.9	4.7	0.46	0.28	--	0.27	0.43	0.34	0.46	1.1	0.71	0.34	0.21 U	23	1.2	8.4
TEQ Human	ng/kg	9.6	8.7	0.44	0.19	--	0.23	0.5	0.33	0.26	2	0.86	0.13	0.14 U	32	0.73	17
TEQ Mammals	ng/kg	9.6	8.7	0.44	0.19	--	0.23	0.5	0.33	0.26	2	0.86	0.13	0.14 U	32	0.73	17
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 UJ	2 U	2.1 U	2.1 U	--	2.2 U	2.1 U	2.3 U	2.2 U	2 U	2.1 U	2 U	2 U	2.3 U	2.1 U	4.2 U
Arsenic	mg/kg	1.2	1 U	1.2	1.2	--	1.1 U	1.7	4.9	1.9	1 U	1.7	1 U	1 U	3.6	3	7.6
Barium	mg/kg	100 J	71	82	77	--	110	110	420	86	100	110	72	78	340	200	520
Beryllium	mg/kg	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U	1.2 U	1 U	2.1 U
Cadmium	mg/kg	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U	1.2 U	1 U	2.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.2 U	0.21 U	0.21 U	--	0.22 U	0.21 U	0.23 U	0.22 U	0.2 U	0.21 U	0.2 U	0.2 U	0.73	0.41 U	0.42 U
Chromium, total	mg/kg	28	17	15	12	--	19	36	36	18	13	24	11	13	84	15	64
Cobalt	mg/kg	11	6.6	8.2	6.2	--	7.3	12	9.5	6.8	8	8	6.8	6.3	7.3	6.1	6
Copper	mg/kg	9.8	6.7	10	9.2	13	7.6	9.9	22	--	9.2	9.2	7.7	7.7	45	11	26
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.4	1.3	1.7	1.4	2.4	1.2	1.2	4	--	1.5	3	1.1	1.4	5.7	7	5.1
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.11 U	--	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U	1.2 U	1 U	2.1 U
Nickel	mg/kg	21	9.4	11	8.9	15	15	30	27	--	9	17	8.7	9.6	23	12	25
Selenium	mg/kg	1 UJ	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U	1.2 U	1 U	2.1 U
Silver	mg/kg	1 U	1 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U	1 U	1 U	1.2 U	1 U	2.1 U
Thallium	mg/kg	2.1 U	2 U	2.1 U	2.1 U	--	2.2 U	2.1 U	2.3 U	2.2 U	2 U	2.1 U	2 U	2 U	2.3 U	2.1 U	4.2 U
Vanadium	mg/kg	41	24	34	25	--	28	46	44	26	30	32	28	28	39	26	56
Zinc	mg/kg	39	31	32	25	--	30	35	40	31	33	32	31	27	55	32	50
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-C01	AOC4-C01S	AOC4-C02
	SAMPLE	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	3/2/2010	4/22/2010	3/29/2010
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	1	3	6	10	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U	19 UJ	17 U	17 U
Aroclor 1221	ug/kg	35 U	34 U	35 U	35 U	36 U	37 U	35 U	39 U	--	34 U	35 U	34 U	34 U	38 UJ	34 U	35 U
Aroclor 1232	ug/kg	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U	19 UJ	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U	19 UJ	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U	19 UJ	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U	410 J	17 U	170
Aroclor 1260	ug/kg	17 U	17 U	18 U	17 U	--	18 U	18 U	19 U	18 U	17 U	17 U	17 U	17 U	19 UJ	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	34 U	34 U	36 U	34 U	--	36 U	36 U	38 U	36 U	34 U	34 U	34 U	34 U	439	34 U	196
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	5.6 UJ	5.1 U	5.5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	5.6 UJ	5.1 U	5.5 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	22 J	5.1 U	5.5 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	6 J	5.1 U	5.5 U
Anthracene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	95 J	5.1 U	44
B(a)P Equivalent	ug/kg	6 U	5.9 U	6.1 U	6.1 U	6.4 U	6.4 U	6.1 U	6.7 U	--	5.9 U	6.1 U	5.9 U	5.9 U	1100	23	280
Benzo (a) anthracene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	1000 J	25	380
Benzo (a) pyrene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	750 J	14	180
Benzo (b) fluoranthene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	1400 J	31	280
Benzo (ghi) perylene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	190 J	12	87
Benzo (k) fluoranthene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	380 J	8.9	80
Chrysene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	1200 J	20	360
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	63 J	5.1 U	24
Fluoranthene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	2400 J	46	800
Fluorene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	14 J	5.1 U	5.5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	200 J	8.9	79
Naphthalene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	5.6 UJ	5.1 U	5.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-C01	AOC4-C01S	AOC4-C02
	SAMPLE	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	3/2/2010	4/22/2010	3/29/2010
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	1	3	6	10	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	--	0	0	0	0	0	0	0	0	9680	205	3010
PAH Low molecular weight	ug/kg	0	0	0	0	--	0	0	0	0	0	0	0	0	1340	6.5	254
Phenanthrene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	1200 J	6.5	210
Pyrene	ug/kg	5.2 U	5.1 U	5.3 U	5.3 U	5.5 U	5.5 U	5.3 U	5.8 U	--	5.1 U	5.3 U	5.1 U	5.1 U	2100 J	39	740
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	370 UJ	340 U	360 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-C01	AOC4-C01S	AOC4-C02
	SAMPLE	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	3/2/2010	4/22/2010	3/29/2010
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	1	3	6	10	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW4	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW5	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-BCW6	AOC4-C01	AOC4-C01S	AOC4-C02
	SAMPLE	AOC4-BCW4-3140	AOC4-BCW4-3141	AOC4-BCW4-3142	AOC4-BCW4-3143	AOC4-BCW5-3145	AOC4-BCW5-3146	AOC4-BCW5-3147	AOC4-BCW5-3148	AOC4-BCW5-3144	AOC4-BCW6-3149	AOC4-BCW6-3150	AOC4-BCW6-3151	AOC4-BCW6-3152	AOC4-C01-10162	AOC4-C01S-50012	AOC4-C02-10166
	DATE	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	3/2/2010	4/22/2010	3/29/2010
SAMPLE TOP DEPTH (FT)		0	2	5	9	0	2	5	9	0	0	2	5	9	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	1	3	6	10	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1
	SAMPLE	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215
	DATE	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010	2/22/2017	2/22/2017
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	8000	120	370	91	67	--	330 J	6.6 U	74	470	150	7100	140	180	79	200
1,2,3,4,6,7,8-HpCDF	ng/kg	340	7.8 J	20	5 J	--	4.5 J	32 J	0.35 U	6.2 U	39	13	490	9 J	11 J	6.9 J	16
1,2,3,4,7,8-HxCDD	ng/kg	120	3.1 J	3.9 J	1.4 J	--	0.51 U	5.5 J	0.6 U	0.81 J	3.1 J	1.4 J	39	1.9 J	2.9 J	1.1 U	3 J
1,2,3,4,7,8-HxCDF	ng/kg	69 U	1.9 J	2.5 J	0.82 J	0.4 U	--	4.5 J	0.4 U	0.62 U	4.5 J	1.6 J	37	1.2 J	1.8 U	0.96 J	2.4 J
1,2,3,4,7,8,9-HpCDF	ng/kg	28	0.58 U	2 J	0.64 J	0.22 U	--	3.1 J	0.42 U	0.59 J	3.7 J	1.2 J	22	0.69 J	0.62 U	1 J	1.5 U
1,2,3,6,7,8-HxCDD	ng/kg	310	6 J	12 J	3.7 J	2.5 J	--	14 J	0.4 U	2.8 J	15 J	5 U	210	5.2 J	7.4 J	2.6 J	7.9 J
1,2,3,6,7,8-HxCDF	ng/kg	36	1.3 J	2.1 J	0.66 J	--	0.3 U	2 UJ	0.35 U	0.2 U	1.5 J	0.68 J	11 J	0.91 J	1.3 U	1.3 U	3.1 J
1,2,3,7,8-PeCDD	ng/kg	71 U	1.6 U	0.15 U	0.16 U	0.34 U	--	2.9 UJ	0.89 U	0.31 U	1.5 U	0.7 U	0.3 U	0.8 U	0.47 U	0.68 U	1.4 J
1,2,3,7,8-PeCDF	ng/kg	22	0.78 U	1.1 J	0.51 U	0.18 U	--	1.3 UJ	0.57 U	0.21 U	0.81 U	0.56 U	3.1 J	0.7 J	0.28 U	0.74 U	2 J
1,2,3,7,8,9-HxCDD	ng/kg	240	5.3 J	6.7 J	2.4 U	--	0.49 U	5.6 UJ	0.4 U	0.68 U	6.8 J	2 U	85	2.9 J	4.6 J	1.9 U	4.9 J
1,2,3,7,8,9-HxCDF	ng/kg	17	0.88 J	2 J	1.5 J	0.21 U	--	1.1 UJ	0.43 U	0.29 U	0.34 U	0.24 U	18	0.45 U	0.42 U	0.28 U	0.39 U
2,3,4,6,7,8-HxCDF	ng/kg	51	1.3 J	17 U	3.8 U	4.4 U	--	78 UJ	1.5 U	0.25 U	2.1 U	1.5 U	25	5.5 U	8.3 U	10 U	30 U
2,3,4,7,8-PeCDF	ng/kg	34	1.1 J	1.1 U	0.41 U	0.18 U	--	2.8 J	0.55 U	0.2 U	1.2 J	0.66 U	4 J	0.62 U	0.69 U	0.98 U	2.1 U
2,3,7,8-TCDD	ng/kg	15	0.33 U	0.052 U	0.21 U	0.14 U	--	0.66 UJ	0.18 U	0.13 U	0.3 U	0.11 U	0.89 J	0.21 J	0.19 U	0.097 U	0.3 U
2,3,7,8-TCDF	ng/kg	10	0.93 J	1.2 U	0.85 J	0.19 U	--	2.5 UJ	0.33 U	0.46 U	1.6 J	1.4 J	1.9 J	0.74 J	0.61 U	0.87 U	0.92 U
OCDD	ng/kg	46000	810	2900	530	570	--	2900 J	51	870	5800	1300	66000	1700	1500	900	1700
OCDF	ng/kg	310	7.1 J	29	7.5 J	--	6.6 J	76 J	0.98 U	18 J	110	26	240	10 J	17 J	16 J	29
TEQ Avian	ng/kg	160	4.6	4.7	2.2	--	1.2	12	1.2	0.93	6.9	3.1	48	3.1	2.7	2.4	6.6
TEQ Human	ng/kg	240	4.9	8.9	2.6	1.8	--	14	0.9	1.8	12	3.5	140	4.3	4.9	2.8	8.3
TEQ Mammals	ng/kg	240	4.9	8.9	2.6	1.8	--	14	0.9	1.8	12	3.5	140	4.3	4.9	2.8	8.3
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1	2.2 U	2 U	2 U	2 U	--	2.2 U	2.1 UJ	11 U	2.3 U	2.2 U	2 U	2 U	2 U	2.2 U	2.2 U
Arsenic	mg/kg	1.4	5.5	2	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U	2.4 J	2.4
Barium	mg/kg	700	500	140	170	--	210	570	160 J	430	400	280	160	190	190	170	130
Beryllium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U
Cadmium	mg/kg	1.1	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U	1.5 J	1.6
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	5.3	0.44 U	0.4 U	0.4 U	0.4 U	--	0.44 U	0.41 U	0.44 U	1.1	0.44 UJ	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U
Chromium, total	mg/kg	73	17	18	29	--	51	140	42 J	150	72	160	18	33	32	32	39
Cobalt	mg/kg	5.9	4.4	6.2	7.4	--	13	13	11 J	19	20	15	4.4	8.7	8.5	8.7 J	9 J
Copper	mg/kg	90	13	18	9.1	--	16	16	26	34	15	5.9	9.8	12	13	18	27
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	76	5.4	12	6.8	8.2	--	3.1	4.9 J	5.5 U	3.4	2.4	10	6.2	6.2	5.6 J	6.8 J
Mercury	mg/kg	0.25	0.11 U	0.099 U	0.1 U	0.099 U	--	0.11 U	0.1 U	0.11 U	0.12 U	0.11 U	0.1 U	0.099 U	0.098 U	0.11 U	0.11 U
Molybdenum	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U
Nickel	mg/kg	20	15	14	22	--	41	60	33 J	75	35	65	11	26	24	25 J	27
Selenium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 UJ	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U	1.1 UJ	1.1 UJ
Silver	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	1.1 U	1 U	5.5 U	1.2 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U
Thallium	mg/kg	2 U	2.2 U	2 U	2 U	2 U	--	2.2 U	2.1 UJ	11 U	2.3 U	2.2 U	2 U	2 U	2 U	2.2 UJ	2.2 UJ
Vanadium	mg/kg	28	31	28	38	--	52	72	51 J	100	74	78	23	43	36	29	29
Zinc	mg/kg	260	33	45	36	47	--	49	45 J	86	50	48	45	38	40	40 J	39
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1
	SAMPLE	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215
	DATE	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010	2/22/2017	2/22/2017
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U	18 U	18 U
Aroclor 1221	ug/kg	34 U	37 U	33 U	33 U	33 U	--	36 UJ	34 U	36 U	38 U	36 U	33 U	33 U	33 U	37 U	36 U
Aroclor 1232	ug/kg	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U	18 U	18 U
Aroclor 1242	ug/kg	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U	18 UJ	18 U
Aroclor 1248	ug/kg	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U	18 U	18 U
Aroclor 1254	ug/kg	400	37	120 J	18	16 U	--	340 J	21	18 U	160	25	140	16 U	16 U	280	1200
Aroclor 1260	ug/kg	17 U	18 U	17 U	16 U	16 U	--	18 UJ	17 U	18 U	19 U	18 U	17 U	16 U	16 U	18 U	380
Aroclor 1262	ug/kg	--	--	17 U	16 U	16 U	--	--	--	--	--	--	17 U	16 U	16 U	--	--
Aroclor 1268	ug/kg	--	--	17 U	16 U	16 U	--	--	--	--	--	--	17 U	16 U	16 U	--	--
Total PCBs	ug/kg	566	64	146	44	32 U	--	377	46.5	48	399	71	166	34 U	32 U	307	1600
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	8.8	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
2-Methyl naphthalene	ug/kg	12	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
Acenaphthene	ug/kg	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
Acenaphthylene	ug/kg	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
Anthracene	ug/kg	5.8	5.6 U	5 U	5 U	5 U	--	36 J	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
B(a)P Equivalent	ug/kg	210	11	18	5.8	6.8	--	850	11	6.4 U	31	6.4 U	19	6.1	11	6.5	34
Benzo (a) anthracene	ug/kg	170	6.3	12	5 U	5	--	870 J	11 J	5.5 U	25	5.5 U	12	5 U	8	5.6 U	34 J
Benzo (a) pyrene	ug/kg	140	6.3	11	5 U	5 U	--	550 J	6.2	5.5 U	21	5.5 U	11	5 U	5.7	5.6 U	22
Benzo (b) fluoranthene	ug/kg	240	11	27	5 U	10	--	860 J	11	5.5 U	31	5.5 U	28	5.7	15	5.6 U	52
Benzo (ghi) perylene	ug/kg	94	5.6 U	10	5 U	5 U	--	390 J	5.2	5.5 U	14	5.5 U	12	5 U	5.3	5.6 U	8.8
Benzo (k) fluoranthene	ug/kg	80	5.6 U	10	5 U	5 U	--	190 J	5.2 U	5.5 U	14	5.5 U	10	5 U	5 U	5.6 U	14
Chrysene	ug/kg	160	6.7	15	5 U	7	--	630 J	9.6	5.5 U	19	5.5 U	15	5 U	9.3	5.6 U	27
Dibenzo (a,h) anthracene	ug/kg	22	5.6 U	5 U	5 U	5 U	--	90 J	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
Fluoranthene	ug/kg	530	16	32	6.7	--	16	1200 J	17	5.5 U	25	5.5 U	33	7	19	5.6 U	64
Fluorene	ug/kg	5.1 U	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U
Indeno (1,2,3-cd) pyrene	ug/kg	76	5.6 U	8.7	5 U	5 U	--	330 J	5.2 U	5.5 U	10	5.5 U	9.7	5 U	5 U	5.6 U	9.2
Naphthalene	ug/kg	6.5	5.6 U	5 U	5 U	5 U	--	5.5 UJ	5.2 U	5.5 U	5.8 U	5.5 U	5 U	5 U	5 U	5.6 U	5.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1
	SAMPLE	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215
	DATE	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010	2/22/2017	2/22/2017
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	1990	62.3	157	13	49	--	6210	76	0	186	0	161	18.7	82.3	5.6	286
PAH Low molecular weight	ug/kg	70.1	0	0	0	0	--	166	0	0	0	0	5.3	0	0	6	14
Phenanthrene	ug/kg	37	5.6 U	5 U	5 U	5 U	--	130 J	5.2 U	5.5 U	5.8 U	5.5 U	5.3	5 U	5 U	6	14
Pyrene	ug/kg	480	16	31	6.3	--	13	1100 J	16	5.5 U	27	5.5 U	30	6	20	5.6	55
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	340 U	370 U	330 U	330 U	330 U	--	360 UJ	340 U	360 U	380 U	360 U	330 U	330 U	330 U	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1
	SAMPLE	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215
	DATE	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010	2/22/2017	2/22/2017
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
	SAMPLE TYPE						Field Duplicate										
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-C03	AOC4-C04	AOC4-C05	AOC4-C06	AOC4-C06.C07	AOC4-C06.C07	AOC4-D01	AOC4-D01S	AOC4-D02	AOC4-D03	AOC4-D04	AOC4-D05	AOC4-D06	AOC4-D06.D07	AOC4-DAM-OS1	AOC4-DAM-OS1
	SAMPLE	AOC4-C03-10169	AOC4-C04-10173	AOC4-C05-10177	AOC4-C06-10181	AOC4-C06.C07-70002	AOC4-C06.C07-20002	AOC4-D01-10242	AOC4-D01S-50016	AOC4-D02-10245	AOC4-D03-10249	AOC4-D04-10253	AOC4-D05-10257	AOC4-D06-10261	AOC4-D06.D07-70003	AOC4DAM-OS1-3214	AOC4DAM-OS1-3215
	DATE	3/18/2010	3/18/2010	7/26/2010	7/26/2010	8/10/2010	8/10/2010	3/24/2010	4/12/2010	3/19/2010	3/19/2010	3/19/2010	7/26/2010	7/27/2010	8/10/2010	2/22/2017	2/22/2017
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.5
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04	AOC4-F05	AOC4-G01S
	SAMPLE	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032
	DATE	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010	8/9/2010	4/22/2010
SAMPLE TOP DEPTH (FT)		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	280	180	1400 J	1100	4800	82 J	250 J	--	120	76	11 U	810	710	250 J	4.7 J	800
1,2,3,4,6,7,8-HpCDF	ng/kg	17	12 J	160 J	58	360	15	23	--	8.2 J	5.7 J	2.6 J	81	90	38	0.01 U	120
1,2,3,4,7,8-HxCDD	ng/kg	2.8 J	2.1 J	9.1 U	3.2 J	20 U	1.3 U	1.7 J	--	2.1 J	1.2 J	0.34 U	3.5 U	5.4 U	1.7 U	0.01 U	0.73 U
1,2,3,4,7,8-HxCDF	ng/kg	2.1 J	1.8 J	20 UJ	3.2 J	32	3.8 U	2.9 J	--	1.3 J	1 J	0.68 U	13 U	19 U	5.9 J	0.01 U	24 U
1,2,3,4,7,8,9-HpCDF	ng/kg	1.2 J	1.4 J	13 UJ	7.6 J	32	1.2 U	1.5 J	--	0.88 J	0.21 U	0.34 J	10 J	10 U	4.5 U	0.01 U	9.3 J
1,2,3,6,7,8-HxCDD	ng/kg	6.7 J	6.4 J	48 UJ	14	110	2.4 U	5.8 J	--	5.1 J	2.8 J	0.83 J	5.7 U	18 U	8.9 U	0.01 U	0.77 U
1,2,3,6,7,8-HxCDF	ng/kg	1.9 J	2.3 J	7.1 UJ	2.2 U	13	1.9 U	1.3 J	--	1 J	0.64 J	0.63 U	4.4 U	10 J	4.2 J	0.01 U	19
1,2,3,7,8-PeCDD	ng/kg	1.7 U	1.3 U	1.2 UJ	0.22 U	8 U	0.51 U	--	0.2 U	0.2 U	0.31 U	0.17 U	1.6 U	2.7 U	0.96 U	0.01 U	2 U
1,2,3,7,8-PeCDF	ng/kg	0.81 J	1.3 U	12 U	1.3 U	8 J	6.9 J	--	0.57 U	0.96 J	0.15 U	0.14 U	8.1 J	15	3.3 U	0.01 U	12 J
1,2,3,7,8,9-HxCDD	ng/kg	4.9 J	3.2 U	12 UJ	4.4 U	34	--	3.1 J	--	3.1 J	1.6 U	0.36 U	6.7 U	--	--	0.01 U	0.72 U
1,2,3,7,8,9-HxCDF	ng/kg	0.17 U	0.65 U	0.56 UJ	0.18 U	0.41 U	0.43 U	1.1 J	--	2.6 J	0.15 U	0.17 U	0.6 U	3.3 U	0.91 U	0.01 U	0.43 U
2,3,4,6,7,8-HxCDF	ng/kg	14 U	22 U	310 UJ	64 U	29	1.6 J	3.3 U	--	2.9 U	5.6 U	2.2 U	5.7 U	9.5 J	2.5 U	0.01 U	7.7 J
2,3,4,7,8-PeCDF	ng/kg	1.3 J	1.7 J	19 U	3 J	14	4.2 J	0.55 U	--	0.57 U	0.3 U	0.81 U	12 J	26	13 U	0.01 U	48
2,3,7,8-TCDD	ng/kg	0.055 U	0.088 U	1.1 UJ	0.12 U	1.1 U	0.11 U	--	0.17 J	0.21 U	0.081 U	0.41 J	0.28 U	0.58 U	0.25 U	0.01 U	0.51 U
2,3,7,8-TCDF	ng/kg	1.1 U	1.7 U	13 J	3.2 J	15	3.8 J	--	2.9 J	0.81 U	0.54 J	1.2 U	8.8	17	11	0.01 U	27
OCDD	ng/kg	4300	1700	13000 J	74000 J	42000 J	520	4700 J	--	1000	580	120	11000	6700	1500	30	8100
OCDF	ng/kg	27	17 J	520 J	240	630	19 J	26	--	9.1 J	7.2 J	5.1 J	230	240	82	0.01 U	280
TEQ Avian	ng/kg	5.5	5.7	47	20	60	9.9	--	4.7	2.4	1.7	1.8	27	52	20	0.031	84
TEQ Human	ng/kg	8.2	6.3	46	41	98	4.1	6.3	--	3.6	2.2	1.1	20	26	8.9	0.072	35
TEQ Mammals	ng/kg	8.2	6.3	46	41	98	4.1	6.3	--	3.6	2.2	1.1	20	26	8.9	0.072	35
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.2 U	2.2 U	4.3 U	2.1 U	2.1 U	2 UJ	--	2 U	2 U	2.2 U	2.1 UJ	11 U	2.1 U	2 U	2.1 U
Arsenic	mg/kg	2.4	2.1	3.1	3.8	1.8	1.1 U	1 U	--	1 U	1 U	2.2	2.9 J	5.3 U	1.1 U	1 U	1.7
Barium	mg/kg	150	140	460	360	190	210	130 J	--	170	190	360	310 J	300	250	190	260
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 U	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1.2	1.7	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.22 U	0.92	0.94	1.4	0.42 U	0.4 U	--	0.4 U	0.41 U	0.43 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U
Chromium, total	mg/kg	23	43	43	55	67	21	--	24	28	45	51	28 J	51	83	29	36
Cobalt	mg/kg	6.5 J	10 J	8.2	13	12	5.8	--	6.7 J	9.2	11	13	6.7 J	10	9.4	7.5	8.3
Copper	mg/kg	14	21	22	13	5.7	8.7	11	--	11	18	19	14 J	33	18	14	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.4 J	4.4 J	4.8	2.9	3.3	5.3	7.5 J	--	6	6.1	3.7	4.5 J	6.4	4.5	4	4.3
Mercury	mg/kg	0.74	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.099 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U	1 U	1 U
Nickel	mg/kg	17	29	20	38	33	16	--	18 J	21	31	34	19 J	20	23	19	22
Selenium	mg/kg	1.1 UJ	1.1 UJ	1.1 U	2.2 U	1.1 U	1.1 U	1 UJ	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U	1.1 U	1 U	--	1 U	1 U	1.1 U	1.1 UJ	5.3 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 UJ	2.2 UJ	2.2 U	4.3 U	2.1 U	2.1 U	2 UJ	--	2 U	2 U	2.2 U	2.1 UJ	11 U	2.1 U	2 U	2.1 U
Vanadium	mg/kg	22	31	40	73	66	28	29	--	34	42	58	32 J	74	64	35	40
Zinc	mg/kg	35	41	44	55	50	31	35 J	--	34	40	37	41 J	74	48	29	34
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04	AOC4-F05	AOC4-G01S
	SAMPLE	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032
	DATE	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010	8/9/2010	4/22/2010
SAMPLE TOP DEPTH (FT)		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	18 U	48	18 U	31	17 U	17 U	--	17 U	17 U	18 U	42	38	18 U	17 U	42
Aroclor 1221	ug/kg	35 U	36 U	37 U	36 U	35 U	35 U	33 U	--	33 U	34 U	36 U	35 U	35 U	35 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	230 J	320	2500	510	1800	500	--	66	17	17 U	34	1600	1900	710	17 U	2900
Aroclor 1260	ug/kg	17 U	18 U	18 U	18 U	18 U	17 U	17 U	--	17 U	17 U	18 U	17 U	18 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	--	17 U	17 U	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	--	17 U	17 U	--	--	--	--	17 U	--
Total PCBs	ug/kg	256	347	2570	537	1850	927	--	96.5	45	34 U	61	2880	1960	737	34 U	3160
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U	5.1 U	5.2 U
Acenaphthene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U	5.1 U	5.2 U
Acenaphthylene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U	5.1 U	5.2 U
Anthracene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	19	5.3 U	5.1 U	5.2 U
B(a)P Equivalent	ug/kg	15	18	67	6.2 U	14	6.4	--	6.4	5.8 U	5.9 U	6.2 U	47	93	11	5.9 U	79
Benzo (a) anthracene	ug/kg	11 J	14 J	66	5.4 U	9.5	5.5 U	5 U	--	5 U	5.1 U	5.4 U	36	120	8.9	5.1 U	88
Benzo (a) pyrene	ug/kg	8.8	11	41	5.4 U	8.8	5.5 U	5 U	--	5 U	5.1 U	5.4 U	30	59	5.7	5.1 U	49
Benzo (b) fluoranthene	ug/kg	23	26	90	5.4 U	12	5.5 U	--	8.3	5 U	5.1 U	5.4 U	65	110	14	5.1 U	98
Benzo (ghi) perylene	ug/kg	5.3 U	5.4	36	5.4 U	7.7	5.5 U	5 U	--	5 U	5.1 U	5.4 U	21	28	5.3 U	5.1 U	40
Benzo (k) fluoranthene	ug/kg	6.7	6.9	25	5.4 U	6.6	5.5 U	5 U	--	5 U	5.1 U	5.4 U	16	26	5.3 U	5.1 U	31
Chrysene	ug/kg	13	14	57	5.4 U	9.5	5.5 U	5 U	--	5 U	5.1 U	5.4 U	36	100	7.5	5.1 U	78
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.4 U	7.1	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2	8.5	5.3 U	5.1 U	8.3
Fluoranthene	ug/kg	25	30	130	5.4 U	16	17	--	8.7	5 U	5.1 U	5.4 U	77	200	17	5.1 U	140
Fluorene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U	5.1 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.4 U	27	5.4 U	6.2	5.5 U	5 U	--	5 U	5.1 U	5.4 U	19	26	5.3 U	5.1 U	30
Naphthalene	ug/kg	5.3 U	5.4 U	5.6 U	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	5.2 U	5.3 U	5.3 U	5.1 U	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04	AOC4-F05	AOC4-G01S
	SAMPLE	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032
	DATE	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010	8/9/2010	4/22/2010
SAMPLE TOP DEPTH (FT)		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	112	135	589	0	91.3	30	--	25	0	0	0	367	868	68.1	0	682
PAH Low molecular weight	ug/kg	8.8	9.1	23	0	0	0	0	--	0	0	0	9.8	84	0	0	23
Phenanthrene	ug/kg	8.8	9.1	23	5.4 U	5.5 U	5.5 U	5 U	--	5 U	5.1 U	5.4 U	9.8	65	5.3 U	5.1 U	23
Pyrene	ug/kg	24	28	110	5.4 U	15	13	--	8	5 U	5.1 U	5.4 U	62	190	15	5.1 U	120
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	370 U	360 U	360 U	360 U	330 U	--	330 U	340 U	360 U	350 U	350 U	350 U	340 U	340 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04	AOC4-F05	AOC4-G01S
	SAMPLE	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032
	DATE	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010	8/9/2010	4/22/2010
SAMPLE TOP DEPTH (FT)		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-DAM-OS2	AOC4-DAM-OS2	AOC4-E01S	AOC4-E02	AOC4-E03	AOC4-E04	AOC4-E05	AOC4-E05	AOC4-E06	AOC4-E06.E07	AOC4-F01S	AOC4-F02	AOC4-F03	AOC4-F04	AOC4-F05	AOC4-G01S
	SAMPLE	AOC4DAM-OS2-3217	AOC4DAM-OS2-3218	AOC4-E01S-50022	AOC4-E02-10326	AOC4-E03-10329	AOC4-E04-10333	AOC4-E05-10337	AOC4-E25-20337	AOC4-E06-10341	AOC4-E06.E07-70004	AOC4-F01S-50027	AOC4-F02-10405	AOC4-F03-10409	AOC4-F04-10413	AOC4-F05-10417	AOC4-G01S-50032
	DATE	2/22/2017	2/22/2017	4/22/2010	4/16/2010	3/25/2010	3/25/2010	7/27/2010	7/27/2010	7/27/2010	8/10/2010	4/22/2010	3/31/2010	3/31/2010	3/31/2010	8/9/2010	4/22/2010
SAMPLE TOP DEPTH (FT)		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.2	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE									Field Duplicate								
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02	AOC4-J03	AOC4-J04
	SAMPLE	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733
	DATE	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010	5/17/2010	6/15/2010
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
	SAMPLE TYPE					Field Duplicate											
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	1300	0.01 U	430	4200	5300	--	490	190	12 J	110	27	29	160	210	4400	1400
1,2,3,4,6,7,8-HpCDF	ng/kg	170	0.01 U	67	140	230	--	26	110	6.8 J	25	5.6 U	3.1 J	14	21	390	140
1,2,3,4,7,8-HxCDD	ng/kg	23	0.01 U	0.01 U	16	21	--	5.5 J	0.27 U	0.01 U	0.47 U	1.8 J	0.01 U	1.9 J	1.4 J	26	17
1,2,3,4,7,8-HxCDF	ng/kg	35	0.01 U	0.01 U	21 U	--	28 U	12.5 U	38	2 J	8.6 J	1.7 J	0.01 U	0.27 U	1.4 U	26 U	10 U
1,2,3,4,7,8,9-HpCDF	ng/kg	13	0.01 U	7.3 J	14	--	12.5 U	12.5 U	11 J	0.89 J	3 U	3.9 U	0.43 J	1.2 U	2.6 J	34	7.7 U
1,2,3,6,7,8-HxCDD	ng/kg	48	0.01 U	0.01 U	88	160	--	14	0.29 U	0.01 U	0.52 U	2.9 U	0.01 U	6.2 J	6 J	110	47
1,2,3,6,7,8-HxCDF	ng/kg	0.01 U	0.01 U	0.01 U	13 U	--	17 U	12.5 U	35	1.6 J	9.4 J	1.4 U	0.51 J	1.2 U	3.2 U	63 U	4.5 U
1,2,3,7,8-PeCDD	ng/kg	0.01 U	0.01 U	0.01 U	12.5 U	--	12.5 U	12.5 U	0.83 U	0.01 U	0.74 U	1 U	0.01 U	0.55 U	0.48 U	0.7 U	14 U
1,2,3,7,8-PeCDF	ng/kg	0.01 U	0.01 U	6.6 J	12.5 U	--	3.7 J	12.5 U	22	1.1 J	5.9 J	0.76 U	0.01 U	1.4 U	0.4 U	0.35 U	0.78 U
1,2,3,7,8,9-HxCDD	ng/kg	0.01 U	0.01 U	0.01 U	29	39	--	12.5 U	0.26 U	0.01 U	0.51 U	2.9 J	0.01 U	2.9 J	3.1 J	42	29
1,2,3,7,8,9-HxCDF	ng/kg	5.2 J	0.01 U	0.01 U	12.5 U	--	12.5 U	12.5 U	0.22 U	0.01 U	0.42 U	4.2 U	0.01 U	0.31 U	0.96 U	0.4 U	0.48 U
2,3,4,6,7,8-HxCDF	ng/kg	0.01 U	0.01 U	0.01 U	12.5 U	22	--	12.5 U	18	0.93 J	3.7 J	2 J	0.01 U	28 U	0.78 U	770 U	140 U
2,3,4,7,8-PeCDF	ng/kg	48	0.01 U	0.01 U	6.5 J	14	--	1.4 J	67	2.7 J	22	1 U	0.63 J	1.8 J	0.59 J	8.2 U	0.65 U
2,3,7,8-TCDD	ng/kg	0.01 U	0.01 U	0.01 U	5 U	1.7 J	--	5 U	0.075 U	0.01 U	1 U	1.9 J	0.01 U	0.25 J	0.33 J	1.9 J	0.64 U
2,3,7,8-TCDF	ng/kg	35	0.01 U	0.01 U	5 U	--	5 U	5 U	49	2.4 J	11	2.5 U	0.98 J	1.5 J	0.47 U	3.9 U	3 J
OCDD	ng/kg	9300	18 J	3300	52000	--	33000	4400	1600	90	920	250	330	1500	2500	50000	12000
OCDF	ng/kg	210	0.53 J	190	260	--	610	66	110	8.1 J	43	12 U	6.1 J	34	120	1900	370
TEQ Avian	ng/kg	93	0.025	2.2	37	48	--	18	130	5.8	37	5.3	1.8	6.3	2.9	72	27
TEQ Human	ng/kg	47	0.021	6.3	87	110	--	21	39	1.8	13	4.3	0.78	6	5.3	130	44
TEQ Mammals	ng/kg	47	0.021	6.3	87	110	--	21	39	1.8	13	4.3	0.78	6	5.3	130	44
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 UJ	2.1 U	2 U	2.2 U	--	2.2 U	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.2 U	2.3 UJ	2 UJ
Arsenic	mg/kg	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2	5	1.2
Barium	mg/kg	170 J	400	210	160 J	--	170	160	210	300	300	310	290	360	230	780 J	160 J
Beryllium	mg/kg	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Cadmium	mg/kg	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 UJ
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	0.4 U	0.44 U	0.57	--	0.44 U	0.4 U	0.42 U	0.45 U	0.44 U	0.43 U	0.43 U	0.44 U	0.45 U	0.4 U
Chromium, total	mg/kg	26 J	61	33	35 J	--	31	35	38	58	33	60	44	41	25	42 J	20
Cobalt	mg/kg	5.9	14	9	8.5	--	9.1	9.1	9	13	8.8	15	11	10	7.2	7.1 J	4.3 J
Copper	mg/kg	11	19	16	16	14	--	15	11	26	12	33	33	34	15	26	26
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	11 J	4.4	6	14	16 J	--	5.5	5.2	4.2	6.5	9.3	5.9	5.5	5.7	5.5 J	9.7 J
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U
Molybdenum	mg/kg	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 UJ
Nickel	mg/kg	14 J	46	22	20	--	17	24	27	37	25	43	32	31	17	22 J	10 J
Selenium	mg/kg	1 UJ	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 UJ
Silver	mg/kg	1 U	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
Thallium	mg/kg	2 UJ	2.1 U	2 U	2.2 U	--	2.2 U	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.2 U	2.3 UJ	2 UJ
Vanadium	mg/kg	28 J	62	40	40 J	--	38	42	41	57	46	73	58	55	34	46 J	23
Zinc	mg/kg	50 J	46	39	71 J	47	--	43	34	42	35	52	47	52	34	41 J	38 J
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02	AOC4-J03	AOC4-J04
	SAMPLE	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733
	DATE	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010	5/17/2010	6/15/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	25	17 U	30	18 U	--	18 U	18 U	60	17 U	19 UJ	18 U	18 U	18 U	18 U	19 UJ	17 U
Aroclor 1221	ug/kg	34 U	34 U	33 U	37 U	--	36 U	37 U	33 U	35 U	37 UJ	36 U	35 U	35 U	36 U	37 UJ	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U	18 U	19 UJ	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U	18 U	19 UJ	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	18 U	18 U	19 UJ	17 U
Aroclor 1254	ug/kg	2500	17 U	2100	350	900 J	--	420	5900	280	1200 J	18 U	18 U	77	78	320 J	300
Aroclor 1260	ug/kg	17 U	17 U	640	18 U	--	18 U	18 U	16 U	17 U	19 UJ	18 U	18 U	53	18 U	19 UJ	17 U
Aroclor 1262	ug/kg	17 U	17 U	17 U	--	--	--	--	16 U	17 U	19 UJ	18 U	18 U	18 U	--	19 UJ	17 U
Aroclor 1268	ug/kg	17 U	17 U	17 U	--	--	--	--	16 U	17 U	19 UJ	18 U	18 U	18 U	--	19 UJ	17 U
Total PCBs	ug/kg	2640	34 U	2780	359	909	--	429	6280	326	1230	36 U	36 U	148	112	349	326
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U
Anthracene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U
B(a)P Equivalent	ug/kg	46	6 U	36	25	18	--	19	6.6	6.1 U	6.5 U	12	6.2 U	6.2	6.4 U	13	24
Benzo (a) anthracene	ug/kg	34	5.2 U	39	28 J	--	13	12	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 J	17
Benzo (a) pyrene	ug/kg	27	5.2 U	23	15 J	11	--	12	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	15
Benzo (b) fluoranthene	ug/kg	63	5.2 U	45	33 J	20	--	19	11	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	9 J	32
Benzo (ghi) perylene	ug/kg	31	5.2 U	18	9.6 J	8	--	9	6	5.3 U	5.6 UJ	8	5.4 U	5.4 U	5.5 U	12 J	13
Benzo (k) fluoranthene	ug/kg	23	5.2 U	18	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	11
Chrysene	ug/kg	46	5.2 U	37	25 J	13	--	5.6 U	6.7	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	7.9 J	18
Dibenzo (a,h) anthracene	ug/kg	6.8	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	7.7	5.4 U	5.4 U	5.5 U	8.2 J	5 U
Fluoranthene	ug/kg	100	5.2 U	82	45 J	28	--	7.8	16	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4	5.5 U	16 J	42
Fluorene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	25	5.2 U	16	10 J	7.6	--	8.6	5 U	5.3 U	5.6 UJ	7.3	5.4 U	5.4 U	5.5 U	9.7 J	11
Naphthalene	ug/kg	5.1 U	5.2 U	5 U	5.6 U	--	5.4 U	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	5.6 UJ	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02	AOC4-J03	AOC4-J04
	SAMPLE	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733
	DATE	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010	5/17/2010	6/15/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	448	0	349	202	124	--	76.2	52.7	0	0	23	0	10.8	0	81.4	195
PAH Low molecular weight	ug/kg	15	0	13	13	13	--	0	0	0	0	0	0	0	0	6	8.3
Phenanthrene	ug/kg	15	5.2 U	13	13 J	13	--	5.6 U	5 U	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4 U	5.5 U	6 J	8.3
Pyrene	ug/kg	92	5.2 U	71	36 J	23	--	7.8	13	5.3 U	5.6 UJ	5.5 U	5.4 U	5.4	5.5 U	13 J	36
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	340 U	340 U	330 U	370 U	--	360 U	370 U	330 U	350 U	370 UJ	360 U	350 U	360 U	360 U	370 UJ	330 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02	AOC4-J03	AOC4-J04
	SAMPLE	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733
	DATE	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010	5/17/2010	6/15/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-G04	AOC4-G05	AOC4-G06	AOC4-GB10	AOC4-GB11	AOC4-GB11	AOC4-GB12	AOC4-H04	AOC4-H05	AOC4-I04	AOC4-I05	AOC4-I06	AOC4-I06.I07	AOC4-J02	AOC4-J03	AOC4-J04
	SAMPLE	AOC4-G04-10493	AOC4-G05-10497	AOC4-G06-10502	AOC4-GB10-11234	AOC4-GB15-21235	AOC4-GB11-11235	AOC4-GB12-11236	AOC4-H04-10573	AOC4-H05-10578	AOC4-I04-10654	AOC4-I05-10657	AOC4-I06-10661	AOC4-I06.I07-70008	AOC4-J02-10725	AOC4-J03-10730	AOC4-J04-10733
	DATE	8/4/2010	8/5/2010	8/9/2010	2/10/2010	2/10/2010	2/10/2010	2/10/2010	7/27/2010	8/5/2010	5/19/2010	5/24/2010	8/11/2010	8/13/2010	5/10/2010	5/17/2010	6/15/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0	0
SAMPLE TYPE						Field Duplicate											
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06	AOC4-L07	AOC4-L07
	SAMPLE	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905
	DATE	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010	9/16/2010	9/16/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE					Field Duplicate										Field Duplicate	Field Duplicate	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	55	1600	340	440 J	--	110	1300	1700	53	210	67	58	760 J	--	410	--
1,2,3,4,6,7,8-HpCDF	ng/kg	6.5 U	150	23	43	--	26	81	350	2.8 U	18	6.3 U	5.4 U	61	--	25	--
1,2,3,4,7,8-HxCDD	ng/kg	0.43 U	12 J	3.6 J	6 J	--	1.1 U	11 J	19	0.63 U	1.6 U	1.1 U	0.7 J	--	0.53 U	--	0.82 J
1,2,3,4,7,8-HxCDF	ng/kg	0.91 U	19 U	0.27 U	4.5 J	--	1.8 J	9.8 J	46 U	0.49 U	1.7 U	0.87 U	0.82 J	--	1.5 U	--	0.26 U
1,2,3,4,7,8,9-HpCDF	ng/kg	0.81 U	13	1.8 U	5.3 J	--	2.9 J	7.8 J	32	0.47 U	1.2 U	2 U	0.62 U	--	0.3 U	0.38 U	--
1,2,3,6,7,8-HxCDD	ng/kg	1.8 J	57	12 J	17	--	4.8 U	42	68	1.8 J	7.9 J	3.1 U	2.2 U	24	--	11 J	--
1,2,3,6,7,8-HxCDF	ng/kg	0.95 U	8.5 U	1.6 J	3 J	--	1.7 U	7.2 J	32	0.34 U	1 J	0.71 J	0.3 U	--	0.89 U	--	1.9 U
1,2,3,7,8-PeCDD	ng/kg	0.28 U	0.4 U	0.63 U	0.4 U	--	0.91 U	0.82 U	0.54 U	0.36 U	0.93 U	0.48 U	0.26 U	--	0.15 U	--	0.18 U
1,2,3,7,8-PeCDF	ng/kg	0.25 U	0.39 U	0.28 U	3 J	--	0.28 U	5.5 J	24	0.21 U	0.42 U	0.75 U	0.3 U	--	0.41 U	--	0.21 U
1,2,3,7,8,9-HxCDD	ng/kg	1.3 J	27	7.4 J	11 J	--	2 U	24	34	0.98 U	3.9 U	1.8 U	1.2 U	3.9 J	--	1.8 J	--
1,2,3,7,8,9-HxCDF	ng/kg	0.4 U	0.53 U	0.31 U	--	0.28 U	1.2 U	1.2 U	12 J	0.33 U	0.4 U	2 U	0.42 U	2.8 J	--	--	0.32 U
2,3,4,6,7,8-HxCDF	ng/kg	0.62 J	14	49 U	3 J	--	44 U	6.7 J	50	10 U	29 U	1 U	7.2 U	--	41 U	--	57 U
2,3,4,7,8-PeCDF	ng/kg	0.25 U	0.38 U	1.4 U	4.3 J	--	0.82 J	0.84 U	0.57 U	0.31 U	0.42 U	0.8 U	0.3 U	--	0.7 J	0.26 U	--
2,3,7,8-TCDD	ng/kg	0.32 U	0.48 U	0.17 U	1 J	--	0.14 U	0.94 J	1.7 U	0.37 U	0.25 U	0.67 U	0.097 U	--	0.13 U	0.12 U	--
2,3,7,8-TCDF	ng/kg	0.63 U	5.3 U	1.4 U	3.8 J	--	0.5 U	4.7 J	19 U	0.32 U	0.88 U	1 U	0.067 U	0.71 U	--	--	0.24 U
OCDD	ng/kg	580	14000	2900	5100 J	--	910	8600	14000	450	1900	630	990	17000 J	--	7100	--
OCDF	ng/kg	20 J	450	57	110	--	55	200	770	15 J	48	24 J	11 U	--	180	74	--
TEQ Avian	ng/kg	1.2	15	6.4	14	--	4.8	16	37	1.4	3.8	2.1	1.1	11	--	5.5	--
TEQ Human	ng/kg	1.6	35	10	14	--	5.4	29	52	1.9	6.3	2.2	1.9	22	--	11	--
TEQ Mammals	ng/kg	1.6	35	10	14	--	5.4	29	52	1.9	6.3	2.2	1.9	22	--	11	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.2
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.3 U	2.2 U	2.1 U	--	2 UJ	2.1 U	2 U	2.7	2.2 U	2.2 U	2.2 U	2.1 UJ	2.1 U	--	--	2.2 UJ
Arsenic	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	--	--	1.1 UJ
Barium	mg/kg	230	360	390	270	--	210	230	720	140	170	210	63 J	160	--	--	270 J
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	--	--	1.1 UJ
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1.5	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--	--	1.1 UJ
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.45 U	3.1	0.9	--	0.41 U	0.42 U	2.7	16	0.45 U	0.44 U	0.43 U	0.43 U	0.41 U	--	--	0.44 U
Chromium, total	mg/kg	60	74	59	60	--	41	52	140	52	49	46	54 J	--	50	--	58
Cobalt	mg/kg	15	12	13	15	--	9.7	8.5	11	12	11	12	12 J	--	12	--	15
Copper	mg/kg	29	39	37	26	--	17	39	210	20	18	18	25	32	--	--	36
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.6	24	5.7	4.2	--	7	71	96	4.8	5.7	5.2	7 J	--	5.8	--	8.1
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.22	0.51	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	--	--	0.11 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--	--	1.1 UJ
Nickel	mg/kg	42	34	40	--	42 J	27	26	43	35	33	33	34 J	--	37	--	45 J
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	--	1 UJ	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ	1 U	--	--	1.1 UJ
Silver	mg/kg	1.1 U	1.1 U	1.1 U	--	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	--	--	1.1 U
Thallium	mg/kg	2.3 U	2.2 U	2.1 U	--	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 UJ	2.1 U	--	--	2.2 UJ
Vanadium	mg/kg	66	54	59	--	62 J	43	39	57	59	50	49	54 J	--	57	--	67 J
Zinc	mg/kg	47	92	58	--	46 J	41	130	290	41	41	41	43 J	--	48	--	61 J
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06	AOC4-L07	AOC4-L07
	SAMPLE	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905
	DATE	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010	9/16/2010	9/16/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE					Field Duplicate										Field Duplicate	Field Duplicate	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Aroclor 1221	ug/kg	38 U	36 U	35 U	--	34 U	35 U	33 U	34 U	37 U	36 U	36 UJ	35 U	34 U	--	--	36 U
Aroclor 1232	ug/kg	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Aroclor 1242	ug/kg	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Aroclor 1248	ug/kg	19 U	18 U	18 U	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Aroclor 1254	ug/kg	19 U	66	75	--	17 U	17 U	250	160	19 U	18 U	18 UJ	18 U	17 U	--	19	--
Aroclor 1260	ug/kg	19 U	18 U	49	--	17 U	17 U	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Aroclor 1262	ug/kg	19 U	18 U	18 U	--	--	--	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Aroclor 1268	ug/kg	19 U	18 U	18 U	--	--	--	17 U	17 U	19 U	18 U	18 UJ	18 U	17 U	--	--	18 U
Total PCBs	ug/kg	38 U	93	142	--	34 U	46.5	276	186	38 U	36 U	36 U	36 U	34 U	--	46	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
2-Methyl naphthalene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Acenaphthene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Acenaphthylene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Anthracene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
B(a)P Equivalent	ug/kg	6.6 U	15	6.2	--	5.9 U	11	59	26	6.5 U	6.4 U	6.5 U	6.1 U	6 U	--	--	6.4 U
Benzo (a) anthracene	ug/kg	5.7 U	9.3	5.4 U	--	5.1 U	6.3	34	18	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Benzo (a) pyrene	ug/kg	5.7 U	7.9	5.4 U	--	5.1 U	6	36	17	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Benzo (b) fluoranthene	ug/kg	5.7 U	23	5.4 U	--	5.1 U	13	86	34	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Benzo (ghi) perylene	ug/kg	5.7 U	9	5.4 U	--	5.1 U	6.3	34	18	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Benzo (k) fluoranthene	ug/kg	5.7 U	5.7	5.4 U	--	5.1 U	5.6	28	9.9	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Chrysene	ug/kg	5.7 U	13	5.4 U	--	5.1 U	9.5	50	21	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Dibenzo (a,h) anthracene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	7.4	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Fluoranthene	ug/kg	5.7 U	23	6.4	--	5.1 U	18	96	32	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Fluorene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.7 U	7.2	5.4 U	--	5.1 U	5.3	28	14	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Naphthalene	ug/kg	5.7 U	5.4 U	5.4 U	--	5.1 U	5.3 U	5 U	5.1 U	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06	AOC4-L07	AOC4-L07
	SAMPLE	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905
	DATE	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010	9/16/2010	9/16/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE					Field Duplicate										Field Duplicate	Field Duplicate	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	118	13.2	--	0	87	481	192	0	0	0	0	0	--	--	0
PAH Low molecular weight	ug/kg	0	7.5	0	--	0	0	32	13	0	0	0	0	0	--	--	0
Phenanthrene	ug/kg	5.7 U	7.5	5.4 U	--	5.1 U	5.3 U	32	13	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Pyrene	ug/kg	5.7 U	20	6.8	--	5.1 U	17	82	28	5.6 U	5.5 U	5.6 UJ	5.3 U	5.2 U	--	--	5.5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	380 U	360 U	350 U	--	340 U	350 U	330 U	340 U	370 U	360 U	370 UJ	350 U	340 U	--	--	360 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06	AOC4-L07	AOC4-L07
	SAMPLE	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905
	DATE	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010	9/16/2010	9/16/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE					Field Duplicate										Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-J05	AOC4-J06	AOC4-J06.J07	AOC4-K02	AOC4-K02	AOC4-K03	AOC4-K04	AOC4-K05	AOC4-K06	AOC4-K07	AOC4-L04	AOC4-L05	AOC4-L06	AOC4-L06	AOC4-L07	AOC4-L07
	SAMPLE	AOC4-J05-10737	AOC4-J06-10741	AOC4-J06.J07-70009	AOC4-K25-20805	AOC4-K02-10805	AOC4-K03-10809	AOC4-K04-10813	AOC4-K05-10818	AOC4-K06-10821	AOC4-K07-10825	AOC4-L04-10893	AOC4-L05-10897	AOC4-L06-10901	AOC4-L25-20901	AOC4-L07-20905	AOC4-L07-10905
	DATE	6/7/2010	6/7/2010	8/13/2010	5/17/2010	5/17/2010	5/17/2010	6/16/2010	6/15/2010	6/15/2010	6/15/2010	5/18/2010	6/28/2010	6/28/2010	6/28/2010	9/16/2010	9/16/2010
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMPLE TYPE					Field Duplicate										Field Duplicate	Field Duplicate	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07	AOC4-O08	MW-9-10
	SAMPLE	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145	AOC4-O08-11149	MW-9-10
	DATE	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010	10/1/2010	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE BOTTOM DEPTH (FT)		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	1400	41	1600	43	140	1900	2600	1600	2200	1100	2300	200	20	570	390	--
1,2,3,4,6,7,8-HpCDF	ng/kg	100	2.5 J	110	2.7 J	8.4 J	100	160	74	97	87	170	12 J	0.97 U	36	23	--
1,2,3,4,7,8-HxCDD	ng/kg	2 J	0.33 J	2.3 J	0.25 U	0.33 U	3.8 J	3.5 J	7 J	18	2.3 J	5.8 J	0.46 U	0.25 U	1.1 J	0.68 U	--
1,2,3,4,7,8-HxCDF	ng/kg	9.2 J	0.24 U	9.6 J	0.16 U	0.24 U	8.9 U	16 U	6.9 U	14 U	6.9 J	13 U	0.51 U	0.43 U	4.4 J	0.27 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	8.2 J	0.26 U	6 J	0.5 U	0.35 U	0.73 U	13	6.7 J	14	0.27 U	0.86 U	0.53 U	0.34 U	1.1 U	2.3 J	--
1,2,3,6,7,8-HxCDD	ng/kg	35	1.2 J	39	0.96 U	3.3 J	46	62	38	77	30	62	4.7 J	0.38 U	17	11 J	--
1,2,3,6,7,8-HxCDF	ng/kg	4.9 U	0.15 U	0.12 U	0.15 U	0.76 U	5.5 U	9.7 U	2.4 J	13 U	0.087 U	6.8 U	0.99 U	0.12 U	4.7 U	2 U	--
1,2,3,7,8-PeCDD	ng/kg	0.35 U	0.14 U	0.5 J	0.21 J	0.24 U	0.34 U	0.45 U	0.48 U	1.2 U	0.16 U	0.36 U	0.27 U	0.19 U	0.38 U	0.25 U	--
1,2,3,7,8-PeCDF	ng/kg	0.3 U	0.059 U	1.1 J	0.096 U	0.11 U	1.5 U	1.4 J	1.5 U	0.77 U	0.89 U	1.6 J	0.18 U	0.085 U	0.43 U	0.53 U	--
1,2,3,7,8,9-HxCDD	ng/kg	5.4 J	0.21 U	5.9 J	0.45 U	0.38 U	9.2 U	8.7 U	13	21 U	4.8 J	13	1.1 U	0.25 U	2.3 U	2.4 U	--
1,2,3,7,8,9-HxCDF	ng/kg	5.1 J	0.2 U	5 J	0.19 U	0.29 U	0.43 U	7.8 J	0.5 U	1.1 U	3.3 J	6.8 J	0.61 U	0.17 U	0.41 U	0.32 U	--
2,3,4,6,7,8-HxCDF	ng/kg	210 U	4.5 U	160 U	6 U	22 U	170 U	310 U	140 U	0.94 U	120 U	270 U	29 U	3.4 U	0.36 U	67 U	--
2,3,4,7,8-PeCDF	ng/kg	2 U	0.057 U	2.6 J	0.1 U	0.11 U	2.3 U	3.4 J	2.1 J	5.1 J	2.2 J	3.2 J	0.27 U	0.082 U	0.42 U	0.68 U	--
2,3,7,8-TCDD	ng/kg	0.13 U	0.091 U	0.19 U	0.14 U	0.16 U	0.3 U	0.31 U	0.22 U	0.85 U	0.14 U	0.36 U	0.16 U	0.1 U	0.19 U	0.17 U	--
2,3,7,8-TCDF	ng/kg	0.25 U	0.2 U	0.59 J	0.086 U	0.27 U	0.61 J	0.45 U	0.88 U	1.4 U	0.49 U	0.77 U	0.49 J	0.36 U	0.29 U	0.34 U	--
OCDD	ng/kg	25000	680	38000	590	2900	33000	41000	27000	22000	34000	50000	3500	240	9300	6900	--
OCDF	ng/kg	310	5.9 J	270	6 U	26	230	400	210	230	290	410	57	3.4 J	120	84	--
TEQ Avian	ng/kg	20	0.68	21	0.87	2.1	19	31	18	17	16	31	3.2	0.65	3.6	5.8	--
TEQ Human	ng/kg	40	1.2	44	1.3	4.1	45	66	39	44	34	64	5.6	0.71	12	11	--
TEQ Mammals	ng/kg	40	1.2	44	1.3	4.1	45	66	39	44	34	64	5.6	0.71	12	11	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	305
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.5
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4 U
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	2 U	--
Arsenic	mg/kg	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--
Barium	mg/kg	160	140	170	--	160	120	280	140	160	170	190	140	120	130	140	91
Beryllium	mg/kg	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--
Cadmium	mg/kg	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.41 U	0.41 U	--	0.41 U	1.6	0.41 U	0.75	1.8	0.4 U	0.42 U	0.42 U	0.5	0.4 U	0.41 U	0.05 U
Chromium, total	mg/kg	61	34	31	--	45	48	47	39	69	38	33	31	26	34	25	42.2
Cobalt	mg/kg	13	8.9	8.3	--	11	11	12	9	11	8.6	8.8	8.1	7.4	8.8	6.9	--
Copper	mg/kg	30	14	10	--	21	26	29	24	200	12	13	9.8	9.5	15	15	6.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.2	4.6	5.1	--	5	5.8	5.5	7.3	6.2	4.9	5.3	5.2	5.4	4.1	5.3	2.7
Mercury	mg/kg	0.11 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	0.2 U
Nickel	mg/kg	43	27	23	--	34	36	35	26	32	27	27	25	23	29	21	9.7
Selenium	mg/kg	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--
Silver	mg/kg	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--
Thallium	mg/kg	2.1 U	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	2 U	--
Vanadium	mg/kg	59	42	38	--	48	52	52	42	44	41	40	36	35	39	35	21.8
Zinc	mg/kg	51	34	34	--	43	49	46	49	50	33	34	33	33	33	43	29
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11400

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07	AOC4-O08	MW-09
	SAMPLE	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145	AOC4-O08-11149	MW-9-10
	DATE	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010	10/1/2010	7/1/1997
	SAMPLE TOP DEPTH (FT)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
	SAMPLE TYPE																
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100 U
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--
Aroclor 1221	ug/kg	35 U	34 U	34 U	--	34 U	34 U	34 U	34 U	34 U	34 U	35 U	35 U	35 U	33 U	34 U	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	--	17 U	28	36	43	140	17 U	58	17 U	18 U	28	100	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	29	17 U	17 U	17 U	18 U	17 U	25	--
Aroclor 1262	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--
Aroclor 1268	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--
Total PCBs	ug/kg	34 U	34 U	34 U	--	34 U	53.5	61.5	68.5	186	34 U	83.5	34 U	36 U	54.5	142	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
2-Methyl naphthalene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Acenaphthene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Acenaphthylene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Anthracene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
B(a)P Equivalent	ug/kg	6.1 U	6 U	5.9 U	--	6 U	6.2	20	6.8	14	5.9 U	6.1	6 U	6.1 U	5.9	6.6	--
Benzo (a) anthracene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	16	5.1	11	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.4	--
Benzo (a) pyrene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	13	5.1 U	7.8	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Benzo (b) fluoranthene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.8	22	8.8	15	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	7.1	--
Benzo (ghi) perylene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	7.2	5.1 U	5.8	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Benzo (k) fluoranthene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	6.5	5.1 U	5.1	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Chrysene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.5	15	6.1	10	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	6.8	--
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Fluoranthene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	12	35	13	23	5.1 U	6.3	5.2 U	5.3 U	8.1	13	--
Fluorene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	6.2	5.1 U	5.1	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Naphthalene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07	AOC4-O08	MW-09
	SAMPLE	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145	AOC4-O08-11149	MW-9-10
	DATE	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010	10/1/2010	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE BOTTOM DEPTH (FT)		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	--	0	32.5	151	44	104	0	11.9	0	0	13.8	44.3	--
PAH Low molecular weight	ug/kg	0	0	0	--	0	5.8	15	0	5.4	0	0	0	0	0	0	--
Phenanthrene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	5.8	15	5.1 U	5.4	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U	5.1 U	--
Pyrene	ug/kg	5.3 U	5.2 U	5.1 U	--	5.2 U	9.2	30	11	21	5.1 U	5.6	5.2 U	5.3 U	5.7	12	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	350 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U	350 U	350 U	350 U	330 U	340 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07	AOC4-O08	MW-09
	SAMPLE	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145	AOC4-O08-11149	MW-9-10
	DATE	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010	10/1/2010	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE BOTTOM DEPTH (FT)		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC4-L07.L08	AOC4-M05	AOC4-M06	AOC4-M06	AOC4-M07	AOC4-M07.M08	AOC4-M08	AOC4-M08.M09	AOC4-M10	AOC4-N05.N06	AOC4-N06	AOC4-N07	AOC4-N08	AOC4-O07	AOC4-O08	MW-09
	SAMPLE	AOC4-L07.L08-70011	AOC4-M05-10978	AOC4-M06-10981	AOC4-M06-10822	AOC4-M07-10985	AOC4-M07.M08-7001	AOC4-M08-10989	AOC4-M08.M09-7001	AOC4-M10-10997	AOC4-N05-11057	AOC4-N06-11062	AOC4-N07-11065	AOC4-N08-11069	AOC4-O07-11145	AOC4-O08-11149	MW-9-10
	DATE	9/20/2010	9/20/2010	7/8/2010	2/7/2017	9/22/2010	9/22/2010	9/22/2010	9/23/2010	10/1/2010	7/8/2010	9/23/2010	9/23/2010	9/23/2010	10/1/2010	10/1/2010	7/1/1997
SAMPLE TOP DEPTH (FT)		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE BOTTOM DEPTH (FT)		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-30	MW-9-50	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1
	DATE	7/1/1997	7/1/1997	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
SAMPLE BOTTOM DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	50	87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5
SAMPLE TYPE						Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	276	311	297	--	--	--	--	--	--	--	--	311	271	324	291	--
pH	PHUNITS	8.79	8.65	8.66	8.96	10.1	9.58	9.64	8.57	8.29	8.74	--	8.75	--	9.28	9.07	9.03
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	30	13	11	--	--	--	--	--	--	--	--	9.2 J	35	8.5 J	25	--
Sulfide	mg/kg	0.4 U	0.4 U	0.4 U	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.4 U	0.4 U	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	28.8	83.8	94	--	--	--	--	--	--	--	--	95.3	87	110	115	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	--	0.05 U	0.21	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.05 U	--	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	16.3	11.7	--	15	7.6	11.8	9	9.7	28.8	8.9	11.9	26.7	--	11.7	9.9	14.2
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	12.4	14.7	--	7.2	3.5	6.4	7.1	7.5	17.4	10	11.4	9.6	--	8.8	6.3	14.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.9	3.2	8.4	--	--	--	--	--	--	--	--	2.8	3.6	2.2	2.3	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	0.2 U	0.2 U	0.2 U	--	--	--	--	--	--	--	--	0.62	0.2 U	0.2 U	0.2 U	--
Nickel	mg/kg	15.3	11.3	--	7.6	3.7	7.7	9.1	9	20.2	10.2	11.7	14.1	--	9.4	8.7	8.8
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	31	20.3	33	--	--	--	--	--	--	--	--	26.9	29.9	20.1	21.5	--
Zinc	mg/kg	29.4	23.3	126	19.7	12.6	21	21.7	22.5	34.4	19	--	30.4	--	24.2	26.6	20.9
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	13100	9580	16500	--	--	--	--	--	--	--	--	15300	15300	10400	11000	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-30	MW-9-50	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1
	DATE	7/1/1997	7/1/1997	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
SAMPLE BOTTOM DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	50	87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5
SAMPLE TYPE						Field Duplicate						Field Duplicate					
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	100 U	100 U	100 U	--	--	--	--	--	--	--	--	100 U	100 U	100 U	100 U	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	192	139	526	--	--	--	--	--	--	--	--	231	226	284	312	--
Manganese Extractable	mg/kg	36.6	22.8	224	--	--	--	--	--	--	--	--	78.4	19.4	224	151	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-30	MW-9-50	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1
	DATE	7/1/1997	7/1/1997	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
SAMPLE BOTTOM DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	50	87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5
SAMPLE TYPE						Field Duplicate						Field Duplicate					
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-30	MW-9-50	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1
	DATE	7/1/1997	7/1/1997	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
SAMPLE BOTTOM DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	50	87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5
SAMPLE TYPE						Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10
	SAMPLE	MW-9-30	MW-9-50	MW-9-87	MW-9-1	MW-9-3.5CL	MW-9-6	MW-9-20	MW-9-40	MW-9-60	MW-9-70	MW-9-87CL	MW-10-10	MW-10-35	MW-10-70	MW-10-82	MW-10-1
	DATE	7/1/1997	7/1/1997	7/1/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	7/1/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997
SAMPLE TOP DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
SAMPLE BOTTOM DEPTH (FT)		30	50	87	1	3.5	6	20	40	60	70	87	10	35	70	82	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	50	87	0.5	3.5	6	20	40	60	70	87	10	35	70	82	0.5
SAMPLE TYPE						Field Duplicate						Field Duplicate					
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-3	MW-10-6	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
SAMPLE BOTTOM DEPTH (FT)		3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	20	25	30	40	50	60	75	75	10	30	60	69	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	299	307	291	257	--	--
pH	PHUNITS	8.84	8.73	8.87	9.38	9.85	9.2	9.28	9.26	9.29	--	8.92	9.07	--	9.04	8.62	9.03
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	11	17	18	20	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	0.4 U	0.4 U	0.4 U	0.4 U	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	101	91.4	27.4	370	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	13.4	19	14.7	16.1	13.8	14.5	14.3	9.1	--	11.5	13.5	12.6	--	16.9	12.2	31.1
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	8.3	8.4	7.7	10.6	9.4	9.2	8.5	6	7	--	8.3	6.9	5.8	13.8	7.5	6.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	6.3	1.8	3	5	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	0.32	0.8	0.088 J	0.2 U	--	--
Nickel	mg/kg	9	10.7	10.2	13.4	11.5	12.6	12.2	6.6	--	8.2	7.7	8.2	--	11.3	8.4	7.3
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	18.9	22	18.1	23.2	--	--
Zinc	mg/kg	26.6	23.3	27.1	34.1	31.5	29.4	31.2	16.3	--	24.9	38.5	28.4	26.2	35.7	24.8	29.5
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	11300	12900	10100	14900	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-3	MW-10-6	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
	SAMPLE TOP DEPTH (FT)	3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
	SAMPLE BOTTOM DEPTH (FT)	3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	20	25	30	40	50	60	75	75	10	30	60	69	0.5	3
	SAMPLE TYPE									Field Duplicate							
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	100 U	100 U	100 U	100 U	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	201	201	138	276	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	70.2	60	15.6	31.4	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-3	MW-10-6	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
SAMPLE BOTTOM DEPTH (FT)		3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	20	25	30	40	50	60	75	75	10	30	60	69	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-3	MW-10-6	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
	SAMPLE TOP DEPTH (FT)	3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
	SAMPLE BOTTOM DEPTH (FT)	3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	20	25	30	40	50	60	75	75	10	30	60	69	0.5	3
	SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
	SAMPLE	MW-10-3	MW-10-6	MW-10-20	MW-10-25	MW-10-30	MW-10-40	MW-10-50	MW-10-60	MW-10-75CL	MW-10-75	MW-11-10	MW-11-30	MW-11-60	MW-11-69	MW-11-1	MW-11-3
	DATE	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/27/1997	6/28/1997	6/27/1997	6/27/1997	6/27/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
SAMPLE BOTTOM DEPTH (FT)		3	6	20	25	30	40	50	60	75	75	10	30	60	69	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	20	25	30	40	50	60	75	75	10	30	60	69	0.5	3
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03
	SAMPLE	MW-11-6	MW-11-20	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015
SAMPLE TOP DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	7	4	3.5	0	0
SAMPLE BOTTOM DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	0.5	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate						
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6 J	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	7000	8300	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	1.9 U	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	21	50	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	64	110	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	170	170	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	200	380	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	280 U	450 U	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	8.8 J	18	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.42 U	2.4 U	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	40	97	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	5.6 U	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	4000 U	63	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	4.8 U	10 U	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.17 U	0.23 U	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.46 J	1.6	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	53000	1.00E+05	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	8400	11000	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	250	100	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	350	230	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	350	230	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	34	--	--
Orthophosphate	mg/kg	--	--	--	--	--	208	224	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.83	9.09	9.03	9.69	9.46	8.44	--	8.66	8.45	8.72	--	8.2	--	9.01	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	8.8	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	71	93	--	--	--	--	--	--	53	--	--
Sulfide	mg/kg	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.2 UJ	2.1 U	--	2 UJ	2 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	4.8	19	--	3.4	3.8
Barium	mg/kg	--	--	--	--	--	94.2	124	--	--	--	--	130	130	--	85 J	140
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.1 UJ	1 U	--	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.1 UJ	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	--	0.05 U	--	0.05 U	0.05 U	--	0.05 U	80	73	0.76 U	0.65	0.65
Chromium, total	mg/kg	26.9	5.9	9.8	13.6	10	10.5	--	10.8	12.2	--	10.7	4200	4400	33.2	20	26
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	7	7.2	--	3.7	7.1
Copper	mg/kg	5.3	6	9.8	6.9	--	7.1	--	9.3	8.6	--	8.1	14	23	6	8.5	15
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	2.4	2.8	--	--	--	--	12 J	10	--	9.3	13
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.11 U	0.11 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	0.14 J	0.2 U	--	--	--	--	18	6.7	--	1 U	1 U
Nickel	mg/kg	5.6	4.9	8.6	10.1	8.6	8.9	--	8.1	8.2	--	9.4	11	12	5.6	6.9	15
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.1	1 U	--	1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.1 UJ	1 U	--	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.2 U	2.1 U	--	2 U	2 U
Vanadium	mg/kg	--	--	--	--	--	21.1	26.4	--	--	--	--	37 J	61	--	18	25
Zinc	mg/kg	23.2	19.9	28.4	29.8	--	28.3	--	27.2	33.3	--	30.4	190	150	6.4	80	200
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	255000 J	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	12200	15400	--	--	--	--	--	--	6790 J	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03
	SAMPLE	MW-11-6	MW-11-20	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015
SAMPLE TOP DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	7	4	3.5	0	0
SAMPLE BOTTOM DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	0.5	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate						
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	100 U	100 U	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	14700 J	--	--
Manganese	mg/kg	--	--	--	--	--	218	270	--	--	--	--	--	--	112 J	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	103	86.4	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1520 J	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1540 J	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	37 U	--	--	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	260	89
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	17 U	89
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	18 U	--	--	286	195
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--	38	150
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	16	47 J
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	26	95
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	64 J	230
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	9.5	51
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	18 J	75
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	31	120 J
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	51 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	35	110 J
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	10	51 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	5.1 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03
	SAMPLE	MW-11-6	MW-11-20	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015
SAMPLE TOP DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	7	4	3.5	0	0
SAMPLE BOTTOM DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	0.5	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate						
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	0	--	--	244	828
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	0	--	--	11	34
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	11	34 J
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.6 U	--	--	34	100 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	730 U	--	--	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	730 U	--	--	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	730 U	--	--	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 UJ	1700 UJ
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	730 U	--	--	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	2000
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	3400 U	3300 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1800 U	--	--	1700 U	1700 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	11 U	--	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	20	--	--	13	41
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03
	SAMPLE	MW-11-6	MW-11-20	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015
SAMPLE TOP DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	7	4	3.5	0	0
SAMPLE BOTTOM DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	0.5	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate						
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	340 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	340 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	340 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	340 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	100 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	200 U	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	100 U	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	670 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	100 U	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	100 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-11	MW-11	MW-11	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	Old Well-BCW-1	Old Well-BCW-2	P-2Soil	PA-01	PA-03
	SAMPLE	MW-11-6	MW-11-20	MW-11-40	MW-11-50	MW-11-60CL	MW-13-20	MW-13-25	MW-13-10	MW-13-30	MW-13-40CL	MW-13-40	Old Well-BCW-1	Old Well-BCW-2	P-2-WP	PA-01-1	PA-03-1
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	7/9/1997	9/11/2013	9/11/2013	11/13/1998	11/9/2015	11/9/2015
SAMPLE TOP DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	7	4	3.5	0	0
SAMPLE BOTTOM DEPTH (FT)		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	20	40	50	60	20	25	10	30	40	40	8	5	3.5	0.5	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate						
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	370 U	--	--	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-04	PA-14	PA-15	PA-16	PA-17	RR-1	SD-14	SD-14	SD-14	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16
	SAMPLE	PA-04-1	PA-14-01	PA-15-01	PA-16-01	PA-17-01	RR-1	SD-14-01	SD-14-03	SD-14-06	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03
	DATE	11/9/2015	1/27/2016	1/27/2016	1/27/2016	1/27/2016	2/2/2000	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	2	5	9	0	2	5	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	1	1	1	1	0	1	3	6	10	0.5	3	6	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	0.5	0.5	0.5	0	0.5	3	6	10	0.5	3	6	10	0.5	3
	SAMPLE TYPE																
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	2600 J	880 J	330 J	--	5500	3100	1500	6.3 J	1300	50	51	8.4 J	6.2 J	1.6 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	320 J	74 J	11 J	--	340	240	27 U	0.59 U	120	5.1 J	3.7 J	0.59 U	0.52 U	0.2 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	21 J	7.2 J	1.2 UJ	--	49	14	3.8 U	0.19 U	7.1 J	0.26 U	0.34 U	0.15 U	0.1 U	0.097 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	19 J	6 J	0.51 UJ	--	1.4 U	1.9 U	7 U	0.16 U	0.71 U	0.61 J	0.28 U	0.14 U	0.11 U	0.04 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	15 J	5.1 J	0.79 UJ	--	45	9.4 U	34 U	0.3 U	11 J	0.38 U	0.5 U	0.29 U	0.19 U	0.071 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	85 J	24 J	6.5 J	--	170	71	35	0.18 U	36	1.4 U	1.4 U	0.23 U	0.3 U	0.096 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	25 J	7.1 J	0.84 UJ	--	15	5.2 U	8.8 U	0.15 U	2.9 J	1.6 U	1.2 U	0.13 U	0.098 U	0.037 U
1,2,3,7,8-PeCDD	ng/kg	--	--	10 J	0.95 UJ	0.86 UJ	--	24	5.8 U	4.5 U	0.14 U	3.6 J	0.065 U	0.11 U	0.11 U	0.069 U	0.065 U
1,2,3,7,8-PeCDF	ng/kg	--	--	4 J	2.1 J	0.98 UJ	--	1.4 U	0.91 U	0.76 U	0.045 U	0.9 U	0.091 U	0.071 U	0.076 U	0.052 U	0.073 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	43 J	12 J	3.1 J	--	85	29	12 J	0.17 U	14	0.43 U	0.22 U	0.38 U	0.097 U	0.091 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	4.5 J	1.6 J	0.59 UJ	--	9 J	2.3 U	4.6 U	0.19 U	0.83 U	0.15 U	0.33 U	0.17 U	0.12 U	0.047 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	340 UJ	110 UJ	19 UJ	--	1200 U	490 U	190 U	0.81 U	240 U	18 U	12 U	0.76 U	1.1 J	0.26 J
2,3,4,7,8-PeCDF	ng/kg	--	--	6.7 J	2.3 J	0.25 UJ	--	9.1 J	4.2 J	1.7 U	0.049 U	2.5 J	0.098 U	0.12 U	0.041 U	0.056 U	0.078 U
2,3,7,8-TCDD	ng/kg	--	--	0.93 UJ	0.63 UJ	0.091 UJ	--	3.1 J	1.4 U	1.2 U	0.094 U	0.56 U	0.099 U	0.043 U	0.04 U	0.041 U	0.024 U
2,3,7,8-TCDF	ng/kg	--	--	4.2 J	1.2 UJ	0.77 UJ	--	2.7 J	1.4 U	0.68 U	0.32 U	1 U	0.2 U	0.085 U	0.38 U	0.3 U	0.18 U
OCDD	ng/kg	--	--	22000 J	7300 J	2300 J	--	40000	25000	20000	55	13000	450	430	36	44	7.5 J
OCDF	ng/kg	--	--	370 J	140 J	24 J	--	1100	1100	400	1.3 U	390	13 J	7.2 J	0.67 J	1.2 J	0.21 U
TEQ Avian	ng/kg	--	--	58	15	3.2	--	130	46	20	0.4	25	1.5	1	0.39	0.39	0.22
TEQ Human	ng/kg	--	--	86	25	6.7	--	190	83	40	0.32	41	2	1.6	0.3	0.31	0.13
TEQ Mammals	ng/kg	--	--	86	25	6.7	--	190	83	40	0.32	41	2	1.6	0.3	0.31	0.13
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.7	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	3.9	4.5	4.7	4.1	4	--	3.7	2.6	6.7	1.6	1.8	2.1	1.6	2	1.3	1.9
Barium	mg/kg	170	180	120	150	130	--	87	94	140	64	220	36	72	49	100	230
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.69	0.21 U	1.1	1.3	0.21 U	0.5 U	0.72	0.63	3.1	1.1	0.77	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	36	20	170	47	25	23.4	29	32	42	35	19	25	21	20	16	19
Cobalt	mg/kg	7.1	5.5	6.6	6.4	7.8	--	5.6	5	4.5	7.6	6.3	7.7	7.2	9.4	7.3	7.6
Copper	mg/kg	14	22	26	26	13	15.6	14	7.6	64	7.8	13	12	11	9.3	10	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	25	10	20	8.5	4.4	--	13	16	120	1.9	2.7	1.8	1.5	2.1	1.8	2.2
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1.2	1 U	--	1 U	1 U	5	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	20	8.7	14	35	21	15.8	10	9.1	11	11	9.6	13	12	13	10	13
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	33	23	25	25	32	--	20	19	18	28	24	27	28	35	28	34
Zinc	mg/kg	56	270	120	64	47	44	37	47	660	36	32	32	32	37	32	28
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	5800	6600	9000	9500	8600	9900	9600	11000	8100	9000
Calcium	mg/kg	--	--	--	--	--	--	18000	17000	67000	33000	48000	26000	59000	17000	14000	56000
Cyanide	mg/kg	--	--	--	--	--	--	0.21 UJ	0.21 UJ	0.22 UJ	0.21 UJ	0.22 U	0.22 U	0.22 U	0.21 U	0.21 U	0.21 U
Iron	mg/kg	--	--	--	--	--	--	12000	14000	18000	18000	15000	17000	17000	21000	18000	16000

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-04	PA-14	PA-15	PA-16	PA-17	RR-1	SD-14	SD-14	SD-14	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16
	SAMPLE	PA-04-1	PA-14-01	PA-15-01	PA-16-01	PA-17-01	RR-1	SD-14-01	SD-14-03	SD-14-06	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03
	DATE	11/9/2015	1/27/2016	1/27/2016	1/27/2016	1/27/2016	2/2/2000	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		1	1	1	1	1	0	1	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	4800	4900	4500	6800	5400	7000	6800	7800	5900	6500
Manganese	mg/kg	--	--	--	--	--	--	190	220	220	230	250	210	260	230	240	720
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	1400	1700	1900	2100	1800	1800	1900	2300	2600	2800
Sodium	mg/kg	--	--	--	--	--	--	250	320	610	440	390	430	460	630	200	540
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 UJ	17 U	17 U	17 U	17 U	--	17 U	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	34 U	34 U	--	34 U	34 U	38 U	35 U	35 U	36 U	35 U	35 U	35 U	35 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	17	120	70	300	17 U	--	1000	85	19 U	17 U	67	18 U	18 U	18 U	17 U	17 U
Aroclor 1260	ug/kg	17 UJ	17 U	17 U	17 U	17 U	--	320	50	19 U	17 U	65	18 U	18 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	17 U
Total PCBs	ug/kg	42.5	146	95.5	326	34 U	--	1340	152	38 U	34 U	150	36 U	36 U	36 U	34 U	34 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.7 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.7 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.7 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.7 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Anthracene	ug/kg	5.1 U	5.2 U	9.7 J	5.2 U	5.2 U	--	6.9	6.9	5.7 U	5.2 U	6.1	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	6.1	70	490	58	58 U	--	140	110	63 U	6 U	87	6.2 U	6.1 U	6.1 U	6 U	6.1 U
Benzo (a) anthracene	ug/kg	5.1 U	52 U	210 J	5.2 U	5.2 U	--	110	100	5.7 U	5.2 U	68	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	5.1 U	52 U	350	52 U	52 U	--	100	84	57 U	5.2 U	62	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5.1	130	720	52 U	52 U	--	200	140	57 U	5.2 U	130	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Benzo (ghi) perylene	ug/kg	5.1 U	52 U	180	52 U	52 U	--	31	33	57 U	5.2 U	15	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5.1 U	52 U	240	52 U	52 U	--	72	53	57 U	5.2 U	47	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Chrysene	ug/kg	5.1 U	52 U	350	7.6	5.2 U	--	140	110	5.7 U	5.2 U	81	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	52 U	52 U	52 U	52 U	--	5.2 U	5.2 U	57 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Fluoranthene	ug/kg	5.1 U	37 J	230 J	14	5.2 U	--	260	220	5.7 U	5.2 U	150	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.2 U	5.7 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	52 U	180	52 U	52 U	--	33	33	57 U	5.2 U	16	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.5 J	5.2 U	5.2 U	--	5.2 U	5.2 U	5.7 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-04	PA-14	PA-15	PA-16	PA-17	RR-1	SD-14	SD-14	SD-14	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16
	SAMPLE	PA-04-1	PA-14-01	PA-15-01	PA-16-01	PA-17-01	RR-1	SD-14-01	SD-14-03	SD-14-06	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03
	DATE	11/9/2015	1/27/2016	1/27/2016	1/27/2016	1/27/2016	2/2/2000	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	2	5	9	0	2	5	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	1	1	1	1	0	1	3	6	10	0.5	3	6	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	0.5	0.5	0.5	0	0.5	3	6	10	0.5	3	6	10	0.5	3
	SAMPLE TYPE																
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	5.1	195	2650	33.6	0	--	1180	973	0	0	689	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	12	165	9.6	0	--	103	49.9	0	0	58.1	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	12 J	150 J	9.6	5.2 U	--	96	43	5.7 U	5.2 U	52	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Pyrene	ug/kg	5.1 U	28 J	190 J	12	5.2 U	--	230	200	5.7 U	5.2 U	120	5.4 U	5.3 U	5.3 U	5.2 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	680 U	6800 U	6900 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	680 U	680 U	680 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 UJ	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	680 U	680 U	680 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	3400 U	3400 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	3400 U	3400 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	3400 U	3400 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	12	10 U	10 U	--	10 U	10 U	300	10 U	11 U	11 U	11 U	11 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	1 U	1.1 U	1 U	--	1.3 U	1.2 U	1.5 U	--	1.4 U
TPH as motor oil	mg/kg	16	50	110	43	31	--	26	31	3700	31	100	11 U	11 U	11 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-04	PA-14	PA-15	PA-16	PA-17	RR-1	SD-14	SD-14	SD-14	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16
	SAMPLE	PA-04-1	PA-14-01	PA-15-01	PA-16-01	PA-17-01	RR-1	SD-14-01	SD-14-03	SD-14-06	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03
	DATE	11/9/2015	1/27/2016	1/27/2016	1/27/2016	1/27/2016	2/2/2000	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
	SAMPLE TOP DEPTH (FT)	0	0	0	0	0	0	0	2	5	9	0	2	5	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	1	1	1	1	0	1	3	6	10	0.5	3	6	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	0.5	0.5	0.5	0	0.5	3	6	10	0.5	3	6	10	0.5	3
	SAMPLE TYPE																
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	680 U	680 U	680 U	680 U	690 U	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-04	PA-14	PA-15	PA-16	PA-17	RR-1	SD-14	SD-14	SD-14	SD-14	SD-15	SD-15	SD-15	SD-15	SD-16	SD-16
	SAMPLE	PA-04-1	PA-14-01	PA-15-01	PA-16-01	PA-17-01	RR-1	SD-14-01	SD-14-03	SD-14-06	SD-14-10	SD-15-01	SD-15-03	SD-15-06	SD-15-10	SD-16-01	SD-16-03
	DATE	11/9/2015	1/27/2016	1/27/2016	1/27/2016	1/27/2016	2/2/2000	1/11/2016	1/11/2016	1/11/2016	1/11/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016	1/12/2016
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	2	5	9	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		1	1	1	1	1	0	1	3	6	10	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0	0.5	3	6	10	0.5	3	6	10	0.5	3
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19	SD-19	SD-25	SD-26	SD-OS33	SS-1	SS-1	SS-2
	SAMPLE	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4	SD-19-D7	SD-25-01	SD-26-01	SD-33-OS1-1001	SS-1-0.5	SS-1-1.5	SS-2-0.5
	DATE	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	3/10/2016	3/10/2016	12/20/2016	6/29/1997	6/29/1997	6/29/1997
	SAMPLE TOP DEPTH (FT)	5	9	0	2	0	0	2	5	8	0	0	0	1.5	0.5	1.5	0.5
	SAMPLE BOTTOM DEPTH (FT)	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	1	1	2	0.5	1.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	0.5	0.5	2	0.5	1.5	0.5
	SAMPLE TYPE										Field Duplicate						
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	0.57 J	0.32 J	--	--	--	--	--	--	--	--	140 J	1400 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.12 U	0.11 U	--	--	--	--	--	--	--	--	9.5 J	99 J	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.04 U	0.039 U	--	--	--	--	--	--	--	--	0.61 UJ	14 J	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.07 U	0.035 U	--	--	--	--	--	--	--	--	1.4 UJ	8.3 J	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.075 U	0.15 U	--	--	--	--	--	--	--	--	0.82 J	6.9 J	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.04 U	0.038 U	--	--	--	--	--	--	--	--	3.5 J	36 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.065 U	0.043 U	--	--	--	--	--	--	--	--	1.7 J	8.2 J	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.051 U	0.029 U	--	--	--	--	--	--	--	--	0.24 UJ	6.2 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.059 U	0.063 U	--	--	--	--	--	--	--	--	0.97 UJ	2.2 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.038 U	0.011 U	--	--	--	--	--	--	--	--	2 J	21 J	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.092 U	0.037 U	--	--	--	--	--	--	--	--	0.28 UJ	2.6 J	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.11 U	0.22 U	--	--	--	--	--	--	--	--	9.4 UJ	93 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.064 U	0.068 U	--	--	--	--	--	--	--	--	2.4 J	4.2 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.059 U	0.036 U	--	--	--	--	--	--	--	--	0.099 UJ	0.68 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.27 J	0.095 U	--	--	--	--	--	--	--	--	1.7 J	2.4 UJ	--	--	--	--
OCDD	ng/kg	2.5 J	1.5 U	--	--	--	--	--	--	--	--	990 J	13000 J	--	--	--	--
OCDF	ng/kg	0.15 J	0.092 U	--	--	--	--	--	--	--	--	13 J	170 J	--	--	--	--
TEQ Avian	ng/kg	0.38	0.14	--	--	--	--	--	--	--	--	5.6	26	--	--	--	--
TEQ Human	ng/kg	0.12	0.074	--	--	--	--	--	--	--	--	4.2	41	--	--	--	--
TEQ Mammals	ng/kg	0.12	0.074	--	--	--	--	--	--	--	--	4.2	41	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	8.56	8.3	8.05
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	2.1 U	2 U	2.1 UJ	--	--	--
Arsenic	mg/kg	2.3	1.4	5.1	5.5	2.9	2.3	2.8	1.2	1.9	--	2.2	4.8	4.7	--	--	--
Barium	mg/kg	46	69	190	180	63	150 J	150	75	94	--	89	130	120	--	--	--
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1.1	1 U	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.2 U	0.25	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	--	0.21 U	0.32	0.36	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	24	13	17	18	32	30	24	14	15	--	23	24	29	38.2	25.3	18.9
Cobalt	mg/kg	10	9.4	6.6	7.6	11	9.8	8.3	6.6	6.5	--	8.6	5.6	8	--	--	--
Copper	mg/kg	9.3	6.1	15	16	17	15 J	10	7.9	7.8	--	15	21	12	16.5	13.6	14.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.4	1.9	15	19	3.4	--	2.8	1.5	1.8	2.1	3.1	16	5.2	--	--	--
Mercury	mg/kg	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.12	--	0.1	0.1 U	0.1 U	--	--	--
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1.3	1 U	1 U	1 U	--	--	--
Nickel	mg/kg	16	9.3	13	15	22	24	17	12	11	--	20	17	15	17.9	12.5	13.2
Selenium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 UJ	--	--	--
Silver	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	--	--	--
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	2.1 U	2 U	2.1 U	--	--	--
Vanadium	mg/kg	37	28	27	30	41	31	32	23	24	--	32	22	34	--	--	--
Zinc	mg/kg	40	33	60	65	310	33	33	30	35	--	39	220	47	55	43.4	48.3
Metals CLP																	
Aluminum	mg/kg	12000	9500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	6000	45000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	0.21 U	0.21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	22000	16000	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19	SD-19	SD-25	SD-26	SD-OS33	SS-1	SS-1	SS-2
	SAMPLE	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4	SD-19-D7	SD-25-01	SD-26-01	SD-33-OS1-1001	SS-1-0.5	SS-1-1.5	SS-2-0.5
	DATE	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	3/10/2016	3/10/2016	12/20/2016	6/29/1997	6/29/1997	6/29/1997
	SAMPLE TOP DEPTH (FT)	5	9	0	2	0	0	2	5	8	0	0	0	1.5	0.5	1.5	0.5
	SAMPLE BOTTOM DEPTH (FT)	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	1	1	2	0.5	1.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	0.5	0.5	2	0.5	1.5	0.5
	SAMPLE TYPE										Field Duplicate						
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	8600	6500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	250	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	2100	2500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	740	550	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	--	--
Aroclor 1221	ug/kg	34 U	34 U	34 U	34 U	35 U	35 U	33 U	33 U	34 U	--	34 U	33 U	34 U	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	--	300	180	17 U	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	--	--
Aroclor 1262	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	34 U	34 U	34 U	34 U	36 U	34 U	34 U	34 U	34 U	--	326	206	34 U	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
Acenaphthene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
Anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
B(a)P Equivalent	ug/kg	6 U	6 U	57	11	6.5	6 U	6.5	5.8 U	5.9 U	--	6	46	14	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.4	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 UJ	27 J	5.5 J	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	51 U	6.1	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	32	9.2 J	--	--	--
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	51 U	13	6	5.2 U	9.1	5 U	5.1 U	--	5.2 U	80	18 J	--	--	--
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	10	5.1 U	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	26	9.9 J	--	--	--
Chrysene	ug/kg	5.2 U	5.2 U	5.8	6.1	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	46	9.6 J	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
Fluoranthene	ug/kg	5.2 U	5.2 U	6.8	13	6	5.2 U	9.8	5 U	5.1 U	--	5.5	92	14 J	--	--	--
Fluorene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	51 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	9.4	5.1 U	--	--	--
Naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U	5 U	5.1 U	--	5.2 U	5 U	5.1 U	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19	SD-19	SD-25	SD-26	SD-OS33	SS-1	SS-1	SS-2
	SAMPLE	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4	SD-19-D7	SD-25-01	SD-26-01	SD-33-OS1-1001	SS-1-0.5	SS-1-1.5	SS-2-0.5
	DATE	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	3/10/2016	3/10/2016	12/20/2016	6/29/1997	6/29/1997	6/29/1997
	SAMPLE TOP DEPTH (FT)	5	9	0	2	0	0	2	5	8	0	0	0	1.5	0.5	1.5	0.5
	SAMPLE BOTTOM DEPTH (FT)	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	1	1	2	0.5	1.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	0.5	0.5	2	0.5	1.5	0.5
	SAMPLE TYPE										Field Duplicate						
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	19.1	55.6	17.3	0	26.3	0	0	--	5.5	397	80.2	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	5.1	0	0	7.1	0	0	--	0	34	0	--	--	--
Phenanthrene	ug/kg	5.2 U	5.2 U	5.1 U	5.1	5.3 U	5.2 U	7.1	5 U	5.1 U	--	5.2 U	34	5.1 U	--	--	--
Pyrene	ug/kg	5.2 U	5.2 U	6.5	12	5.3	5.2 U	7.4	5 U	5.1 U	--	5.2 U	75	14 J	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U	--	10 U	10 U	13 J	--	--	--
TPH as gasoline	mg/kg	1.2 U	1.4 U	--	1.1 U	--	--	1.1 U	1 U	1.2 U	--	--	--	1.3 U	--	--	--
TPH as motor oil	mg/kg	10 U	10 U	61	64	11 U	10 U	10 U	10 U	10 U	--	10 U	21	25 J	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19	SD-19	SD-25	SD-26	SD-OS33	SS-1	SS-1	SS-2
	SAMPLE	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4	SD-19-D7	SD-25-01	SD-26-01	SD-33-OS1-1001	SS-1-0.5	SS-1-1.5	SS-2-0.5
	DATE	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	3/10/2016	3/10/2016	12/20/2016	6/29/1997	6/29/1997	6/29/1997
SAMPLE TOP DEPTH (FT)		5	9	0	2	0	0	2	5	8	0	0	0	1.5	0.5	1.5	0.5
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	1	1	2	0.5	1.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	0.5	0.5	2	0.5	1.5	0.5
SAMPLE TYPE											Field Duplicate						
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-16	SD-16	SD-17	SD-17	SD-18	SD-19	SD-19	SD-19	SD-19	SD-19	SD-25	SD-26	SD-OS33	SS-1	SS-1	SS-2
	SAMPLE	SD-16-06	SD-16-10	SD-17-01	SD-17-02	SD-18-01	SD-19-D1	SD-19-D2	SD-19-D3	SD-19-D4	SD-19-D7	SD-25-01	SD-26-01	SD-33-OS1-1001	SS-1-0.5	SS-1-1.5	SS-2-0.5
	DATE	1/12/2016	1/12/2016	12/17/2015	12/17/2015	12/17/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	3/10/2016	3/10/2016	12/20/2016	6/29/1997	6/29/1997	6/29/1997
	SAMPLE TOP DEPTH (FT)	5	9	0	2	0	0	2	5	8	0	0	0	1.5	0.5	1.5	0.5
	SAMPLE BOTTOM DEPTH (FT)	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	1	1	2	0.5	1.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	0.5	3	0.5	0.5	3	6	8.5	0.5	0.5	0.5	2	0.5	1.5	0.5
	SAMPLE TYPE										Field Duplicate						
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2	SSB-2	SSB-2	SSB-2	SSB-3
	SAMPLE	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	327	--	--	--	313	--	--	--	306
pH	PHUNITS	8.46	--	--	--	--	--	--	8.35	8.51	8.79	8.57	10.5	8.66	9.07	9.37	9.04
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	20	--	--	--	10	--	--	--	11
Sulfide	mg/kg	--	--	--	--	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	0.4 U
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	97.3	--	--	--	46.4	--	--	--	70
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	10.2	--	--	--	--	--	--	16.5	13.7	13.6	16.7	9.7	48.7	7.6	10.1	7.1
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	12.9	--	--	--	--	--	--	8.2	14.9	11	16.9	11	7.4	6.8	9.4	13.4
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	1.3	--	--	--	3.1	--	--	--	2.3
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	0.2 U	--	--	--	0.2 U	--	--	--	0.2 U
Nickel	mg/kg	9.4	--	--	--	--	--	--	12.9	11.6	12	12.2	11.7	7.9	5.7	7.9	7.7
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	24.6	--	--	--	20.2	--	--	--	15.5
Zinc	mg/kg	42.2	--	--	--	--	--	--	31.9	35.7	29.6	34.5	27.3	27.3	20.4	27	19.2
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	15300	--	--	--	9600	--	--	--	7220

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2	SSB-2	SSB-2	SSB-2	SSB-3
	SAMPLE	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
	SAMPLE TOP DEPTH (FT)	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
	SAMPLE BOTTOM DEPTH (FT)	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	100 U	--	--	--	100 U	--	--	--	100 U
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	248	--	--	--	150	--	--	--	114
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	63.2	--	--	--	27.5	--	--	--	34.2
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2	SSB-2	SSB-2	SSB-2	SSB-3
	SAMPLE	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2	SSB-2	SSB-2	SSB-2	SSB-3
	SAMPLE	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
	SAMPLE TOP DEPTH (FT)	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
	SAMPLE BOTTOM DEPTH (FT)	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SSB-1	SSB-1	SSB-1	SSB-1	SSB-2	SSB-2	SSB-2	SSB-2	SSB-3
	SAMPLE	SS-2-1.5	SS-3-0	SS-4-0	SS-5-0	SS-6-0	SS-7-0	SS-8-0	SSB-1-10	SSB-1-1	SSB-1-3	SSB-1-6	SSB-2-10	SSB-2-1	SSB-2-3	SSB-2-6	SSB-3-10
	DATE	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/29/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
	SAMPLE TOP DEPTH (FT)	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
	SAMPLE BOTTOM DEPTH (FT)	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	1	3	6	10	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	1.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.5	3	6	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6	SSB-6	SSB-6	SSB-6	SSB-7
	SAMPLE	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	265	--	--	--	261	--	--	--	295	--	--	--	284
pH	PHUNITS	8.9	8.35	9.7	9.42	8.86	8.24	8.77	9.52	8.63	8.6	8.92	8.94	8.74	9.04	8.8	9.48
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	13	--	--	--	16.5	--	--	--	22	--	--	--	34
Sulfide	mg/kg	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	0.4 U
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	93.9	--	--	--	89.6	--	--	--	100	--	--	--	77.5
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.05 U
Chromium, total	mg/kg	8.2	13.2	23.5	201	10.1	1520	297	31.6	521	1440	617	14.8	13.7	27.5	467	8.1
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	4.3	9.5	13.7	11.9	3	10.3	12.4	7	13.5	16	14.9	9.6	8.6	6.6	33.8	5.8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	2.1	--	--	--	1.8	--	--	--	3.1	--	--	--	1.8
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	0.2 U	--	--	--	0.2 U	--	--	--	0.79	--	--	--	0.2 U
Nickel	mg/kg	6	10.4	16.4	7.4	3.9	5.4	6.9	7.7	7.8	4.2	6.4	10.3	8.9	8.2	5.5	6.5
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	19.3	--	--	--	18.7	--	--	--	22.7	--	--	--	16.2
Zinc	mg/kg	13.7	21.4	27.1	188	11.9	141	130	107	39.6	128	115	33.4	29.1	24.8	132	23.4
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	11600	--	--	--	9870	--	--	--	14700	--	--	--	10100

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6	SSB-6	SSB-6	SSB-6	SSB-7
	SAMPLE	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
	SAMPLE TOP DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
	SAMPLE TYPE																
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	100 U	--	--	--	100 U	--	--	--	100 U	--	--	--	100 U
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	161	--	--	--	139	--	--	--	273	--	--	--	186
Manganese Extractable	mg/kg	--	--	--	45.2	--	--	--	26.8	--	--	--	94.3	--	--	--	89.6
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6	SSB-6	SSB-6	SSB-6	SSB-7
	SAMPLE	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6	SSB-6	SSB-6	SSB-6	SSB-7
	SAMPLE	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-3	SSB-3	SSB-3	SSB-4	SSB-4	SSB-4	SSB-4	SSB-5	SSB-5	SSB-5	SSB-5	SSB-6	SSB-6	SSB-6	SSB-6	SSB-7
	SAMPLE	SSB-3-1	SSB-3-3	SSB-3-6	SSB-4-10	SSB-4-1	SSB-4-3	SSB-4-6	SSB-5-10	SSB-5-1	SSB-5-3	SSB-5-6	SSB-6-10	SSB-6-1	SSB-6-3	SSB-6-6	SSB-7-10
	DATE	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997	6/30/1997
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10
	SAMPLE	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053
	DATE	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	204	--	--	--	252	--	--	--	--	--	--	--	--
pH	PHUNITS	8.61	8.76	8.95	8.9	8.46	8.53	8.2	8.82	7.95	8.52	8.44	8.94	9.4	8.38	9.36	8.69
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	12	--	--	--	9.2 J	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	0.4 U	--	--	--	0.4 U	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 UJ	2.1 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	3.5	3	1 U	2.2	2.8
Barium	mg/kg	--	--	--	43.9	--	--	--	102	--	--	--	120	110	94	83	91
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	0.14	--	--
Chromium, Hexavalent	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.52	0.46	14.1	0.91	0.4 U
Chromium, total	mg/kg	19.8	24.9	8.6	17.1	53.1	13.6	15.3	15.7	17.3	11	9.6	44	67	3200	55	19
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	11	7.5	7.3	6.9	7.8
Copper	mg/kg	7.7	6.5	14.7	10.7	15.1	14.1	7.3	7.7	8.6	6.1	6.4	12	9.4	9.5	8.6	11
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 J	--	--
Lead	mg/kg	--	--	--	2.8	--	--	--	3	--	--	--	4.2	3	4.5	1.7	2.6
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	0.12 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	0.071 J	--	--	--	0.096 J	--	--	--	1.2 U	1 U	7.8	1 U	1 U
Nickel	mg/kg	8.4	7	6.3	13.9	15.3	10.6	10	11.4	10.1	7	7.8	16	15	12	11	12
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	2.1 U	2.1 U	2.1 U	2 U
Vanadium	mg/kg	--	--	--	26.8	--	--	--	25.7	--	--	--	38	32	45	27	30
Zinc	mg/kg	28.1	29.4	23	35.8	38.3	35.3	33.5	33.1	35.5	31.8	25.3	41	37	76	89	32
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	9200	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	17000	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Iron	mg/kg	--	--	--	15600	--	--	--	14200	--	--	--	25000	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10
	SAMPLE	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053
	DATE	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	100 U	--	--	--	100 U	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	7100	--	--	--	--
Manganese	mg/kg	--	--	--	270	--	--	--	205	--	--	--	270	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	57.2	--	--	--	39.5	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	2700	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	310	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	60 U	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	40 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	35	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	20 U	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	35	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.9 U	6	6 U	6 U	5.8 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	8.7	5.2 U	5.2 U	5 U
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.1 U	5.2 U	5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10
	SAMPLE	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053
	DATE	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	0	16.2	0	0	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	5.2 U	5.2 U	5.2 U	5 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6 U	7.5	5.2 U	5.2 U	5 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	840 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	840 U	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	840 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	800 U	680 U	690 U	680 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2000 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	840 UJ	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	840 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	840 UJ	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2000 U	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	800 U	680 U	690 U	680 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 UJ	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	10 U	10.1
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	1 U	0.98 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 U	10	25.9	10 U	60.8
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10
	SAMPLE	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053
	DATE	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	5.3 U	5.1 U	6 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	5.3 U	5.1 U	6 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	5.3 U	5.1 U	6 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	5.3 U	5.1 U	6 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	53 U	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1900 U	1700 U	1700 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	53 U	51 U	60 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	110 U	100 U	120 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	53 U	51 U	60 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	5.3 U	5.1 U	6 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	800 U	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	53 U	51 U	60 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	53 U	51 U	60 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SSB-7	SSB-7	SSB-7	SSB-8	SSB-8	SSB-8	SSB-8	SSB-9	SSB-9	SSB-9	SSB-9	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-1	SWMU1-10
	SAMPLE	SSB-7-1	SSB-7-3	SSB-7-6	SSB-8-10	SSB-8-1	SSB-8-3	SSB-8-6	SSB-9-10	SSB-9-1	SSB-9-3	SSB-9-6	SWMU1-1-1001	SWMU1-1-1002	SWMU1-1-1003	SWMU1-1-1004	SWMU1-10-1053
	DATE	6/30/1997	6/30/1997	6/30/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	7/10/1997	10/16/2008	10/16/2008	10/16/2008	10/16/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	1	3	6	10	1	3	6	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	400 U	340 U	350 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	5.1 U	6 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13
	SAMPLE	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.07	10	9.67	--	8.4	8.69	9.63	9.66	9.04	8.98	9.53	9.64	8.72	8.9	9.82	9.76
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2 UJ	--	2.1 U	2.1 U
Arsenic	mg/kg	2.5	3.9	4.9	--	3.6	2.2	5.7	4.7	2.8	4.6	5.5	10	3.3	--	6.4	5.7
Barium	mg/kg	100	--	51	48	61	92	37	36	100	88	57	42	120	170	85	49
Beryllium	mg/kg	1 U	1 U	1.1 U	--	1.1 U	1.1 U	2.1 U	1.1 U	1 U	2 U	2 U	5.2 U	1 U	--	2.1 U	1 U
Cadmium	mg/kg	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.43 U	--	1.8	8.8	0.43 U	0.43 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U	--	0.42 U	0.43 U
Chromium, total	mg/kg	26	--	25	22	200	840	34	22	19	24	20	21	23	--	34	30
Cobalt	mg/kg	8.8	10	9.6	--	8.4	8.1	9.3	9	8	9.5	9.6	9.7	7.1	--	11	12
Copper	mg/kg	13	--	15	10	11	11	12	10	8.5	11	13	11	14	--	13	16
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.2	2.9	3.6	--	3.8	4.3	3.2	3.4	2.7	2.3	2.7	3.1	5.3	--	2.8	3.5
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	--	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1.8	1 U	1.1 U	--	1.2	4	2.1 U	1.1 U	1 U	2 U	2 U	5.2 U	1 U	--	2.1 U	1 U
Nickel	mg/kg	13	15	17	--	15	13	16	15	11	16	15	16	12	--	20	20
Selenium	mg/kg	1 U	1 U	1.1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1.1 U	--	1.1 U	1.1 U	2.1 U	1.1 U	1 U	2 U	2 U	5.2 U	1 U	--	2.1 U	1 U
Thallium	mg/kg	2 U	2.1 U	2.1 U	--	2.1 U	2.1 U	4.3 U	2.1 U	2 U	4 U	4.1 U	10 U	2 U	--	4.1 U	2.1 U
Vanadium	mg/kg	31	36	37	--	34	34	35	35	32	34	35	34	33	--	40	43
Zinc	mg/kg	33	42	44	--	65	120	96	43	31	37	40	41	35	--	44	45
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	12000	--	--	--	--	--	--	--	7900	--	--	--
Calcium	mg/kg	--	--	--	--	23000	--	--	--	--	--	--	--	15000	--	--	--
Cyanide	mg/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
Iron	mg/kg	--	--	--	--	18000	--	--	--	--	--	--	--	21000	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13
	SAMPLE	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	8100	--	--	--	--	--	--	--	6500	--	--	--
Manganese	mg/kg	--	--	--	--	240	--	--	--	--	--	--	--	270	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2300	--	--	--	--	--	--	--	2500	--	--	--
Sodium	mg/kg	--	--	--	--	600	--	--	--	--	--	--	--	220	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
4,4-DDE	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
4,4-DDT	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
Aldrin	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
alpha-BHC	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
beta-BHC	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
delta-BHC	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
Dieldrin	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
Endrin	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--
gamma-BHC	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
Heptachlor	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	5.3 U	--	--	--	--	--	--	--	5.1 U	--	--	--
Toxaphene	ug/kg	--	--	--	--	53 U	--	--	--	--	--	--	--	51 U	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	35 U	--	--	--	--	--	--	--	33 U	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	40	--	--	--	--	--	--	--	22	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--
Total PCBs	ug/kg	--	--	--	--	40	--	--	--	--	--	--	--	22	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Acenaphthene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Acenaphthylene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Anthracene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	5.8 U	--	6.1 U	5.9 U	10	22	6.1 U	6.2 U	5.8 U	5.9 U	5.9 U	6 U	6.7	--	6 U	6.1 U
Benzo (a) anthracene	ug/kg	5 U	--	5.3 U	5.1 U	7.2	19	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.3	--	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	5 U	--	5.3 U	5.1 U	5.4	14	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5 U	--	5.3 U	5.1 U	10	22	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	7	--	5.2 U	5.3 U
Benzo (ghi) perylene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	6.5	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5 U	--	5.3 U	5.1 U	7.4	17	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	6.3	--	5.2 U	5.3 U
Chrysene	ug/kg	5 U	--	5.3 U	5.1 U	8.3	25	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.7	--	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Fluoranthene	ug/kg	5 U	--	5.3 U	5.1 U	14	49	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	12	--	5.2 U	5.3 U
Fluorene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	5.3 U	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	6.7	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Naphthalene	ug/kg	5 U	--	5.3 U	5.1 U	5.3 U	9.7	4.7 U	5.4 U	5 U	5 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13
	SAMPLE	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	--	64.3	195	0	0	0	0	0	0	47.3	--	0	0
PAH Low molecular weight	ug/kg	0	0	0	--	5.3	56.7	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5 U	--	5.3 U	5.1 U	5.3	47	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.2 U	5.3 U
Pyrene	ug/kg	5 U	--	5.3 U	5.1 U	12	36	5.3 U	5.4 U	5 U	5.1 U	5.1 U	5.2 U	11	--	5.2 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	740 U	--	--	--	--	--	--	--	710 U	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	740 U	--	--	--	--	--	--	--	710 U	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2-Chlorophenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2-Methylphenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2-Nitroaniline	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	740 U	--	--	--	--	--	--	--	710 U	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2,4-Dinitrophenol	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
3-Nitroaniline	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	710 U	--	700 U	700 U	700 U	710 U	660 U	670 U	680 U	690 U	670 U	--	680 U	700 U
4-Chloroaniline	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
4-Methylphenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
4-Nitroaniline	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1800 U	--	1700 U	1800 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	740 U	--	--	--	--	--	--	--	710 U	--	--	--
Atrazine	ug/kg	--	--	--	--	740 U	--	--	--	--	--	--	--	710 U	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	740 U	--	--	--	--	--	--	--	710 U	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1800 U	--	1700 U	1800 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	680 U	710 U	--	700 U	700 U	700 U	710 U	660 U	670 U	680 U	690 U	670 U	--	680 U	700 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Butylbenzylphthalate	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Caprolactam	ug/kg	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U	--	--	--
Carbazole	ug/kg	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Dibenzofuran	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Diethyl phthalate	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Dimethyl phthalate	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Hexachlorobenzene	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Hexachloroethane	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Pentachlorophenol	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12.6	--	10 U	10 U
TPH as gasoline	mg/kg	0.91 UJ	1.1 U	1.2 U	--	--	1.3 U	0.99 U	1.2 U	--	1.1 U	0.93 U	1.1 U	--	1.2 U	1 U	1.1 U
TPH as motor oil	mg/kg	10.9	--	15.6	16.1	17.6	15.7	21.7	10 U	10 U	10.4	10 U	10 U	67.3	--	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,1-Dichloroethene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,1-Dichloropropene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13
	SAMPLE	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,1,1,2-Tetrachloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,1,2-Trichloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,1,2,2-Tetrachloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2-Dibromo-3-chloropropane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2-Dibromoethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2-Dichlorobenzene	ug/kg	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U	330 U	5.8 U	5.9 U	5.4 U
1,2-Dichloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2-Dichloropropane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2,3-Trichlorobenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2,3-Trichloropropane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,2,4-Trichlorobenzene	ug/kg	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U	330 U	5.8 U	5.9 U	5.4 U
1,2,4-Trimethylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,3-Dichlorobenzene	ug/kg	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U	330 U	5.8 U	5.9 U	5.4 U
1,3-Dichloropropane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,3,5-Trimethylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
1,4-Dichlorobenzene	ug/kg	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U	330 U	5.8 U	5.9 U	5.4 U
1,4-Dioxane	ug/kg	--	--	--	--	350 U	--	--	--	--	--	--	--	330 U	--	--	--
2-Chlorotoluene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
2-Hexanone	ug/kg	--	--	--	--	--	190 U	--	--	--	--	--	--	--	58 U	--	--
2,2-Dichloropropane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
2,4,5-Trichlorophenol	ug/kg	1600 U	--	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	--	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
4-Isopropyltoluene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Acetone	ug/kg	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U	--	58 U	59 U	54 U
Acrolein	ug/kg	99 U	--	110 U	110 U	--	380 U	94 U	130 U	--	99 U	110 U	130 U	--	--	120 U	110 U
Acrylonitrile	ug/kg	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U	--	58 U	59 U	54 U
Benzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Bromobenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Bromochloromethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Bromodichloromethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Bromoform	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Bromomethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Carbon disulfide	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Carbon tetrachloride	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Chloro methane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Chlorobenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Chloroethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Chloroform	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
cis-1,2-Dichloroethene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
cis-1,3-Dichloropropene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Cyclohexane	ug/kg	--	--	--	--	--	19 U	--	--	--	--	--	--	--	5.8 U	--	--
Dibromochloromethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Dibromomethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Dichlorodifluoromethane	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Ethyl- benzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Hexachlorobutadiene	ug/kg	5 U	--	5.7 U	5.6 U	350 U	19 U	4.7 U	6.6 U	330 U	5 U	5.4 U	6.4 U	330 U	5.8 U	5.9 U	5.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	700 U	--	--	--	--	--	--	--	670 U	--	--	--
Isophorone	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
Isopropylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Methyl acetate	ug/kg	--	--	--	--	--	19 U	--	--	--	--	--	--	--	5.8 U	--	--
Methyl ethyl ketone	ug/kg	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U	--	58 U	59 U	54 U
Methyl isobutyl ketone	ug/kg	50 U	--	57 U	56 U	--	190 U	47 U	66 U	--	50 U	54 U	64 U	--	58 U	59 U	54 U
Methyl tert-butyl ether (MTBE)	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-10	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-11	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-12	SWMU1-13	SWMU1-13	SWMU1-13	SWMU1-13
	SAMPLE	SWMU1-10-1054	SWMU1-10-1055	SWMU1-10-1057	SWMU1-10-1056	SWMU1-11-1058	SWMU1-11-1059	SWMU1-11-1060	SWMU1-11-1061	SWMU1-12-1062	SWMU1-12-1063	SWMU1-12-1064	SWMU1-12-1065	SWMU1-13-1066	SWMU1-13-1068	SWMU1-13-1069	SWMU1-13-1070
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	5	0	2	5	9	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE					Field Duplicate										Field Duplicate		
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	19 U	--	--	--	--	--	--	--	5.8 U	--	--
Methylene chloride	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
N-Butylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
N-Propylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Nitrobenzene	ug/kg	330 U	340 U	350 U	--	350 U	350 U	350 U	350 U	330 U	330 U	340 U	340 U	330 U	--	340 U	350 U
p-Chlorotoluene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
sec-Butylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Styrene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
tert-Butylbenzene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Tetrachloroethene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Toluene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
trans-1,2-Dichloroethene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
trans-1,3-Dichloropropene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Trichloroethene	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Vinyl chloride	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Xylene, m,p-	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Xylene, o-	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U
Xylenes, total	ug/kg	5 U	--	5.7 U	5.6 U	--	19 U	4.7 U	6.6 U	--	5 U	5.4 U	6.4 U	--	5.8 U	5.9 U	5.4 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.92	9.07	9.97	9.52	8.99	9.95	9.84	9.98	9.82	9.51	9.39	9.19	9.22	8.82	8.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	9.7	2.3	2.8	5.8	5.6	2.6	2.8	4.5	--	5.5	7.4	4	6.7	8.4	6.1	4.4
Barium	mg/kg	--	96	120	73	67	130	130	100	230	81	110	56	160	110	47	94
Beryllium	mg/kg	5.1 U	1 U	1 U	2 U	1 U	1 U	1.1 U	2.1 U	2.1 U	2.1 U	5.3 U	1 U	2.2 U	--	1.1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	1.1	0.42 U	0.42 U	0.42 U	0.43 U	0.43 U	0.42 U	0.44 U	--	0.43 U	0.43 U
Chromium, total	mg/kg	28	20	19	28	52	25	23	41	--	51	54	40	55	47	39	28
Cobalt	mg/kg	9.3	8.8	7.9	11	13	8.7	9.3	12	15	14	14	12	13	--	13	11
Copper	mg/kg	11	8.2	14	17	35	12	11	18	24	41	23	23	25	--	25	20
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.5	2.6	2.3	3.4	3.9	4.1	3	4.5	--	4.5	5.4	3	5.4	--	3.8	3.2
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	--	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U
Molybdenum	mg/kg	5.1 U	1 U	1 U	2 U	1 U	1.9	1.2	2.1 U	2.1 U	2.1 U	5.3 U	1 U	2.2 U	--	1.1 U	1.1 U
Nickel	mg/kg	15	13	12	20	32	15	17	28	--	37	39	27	39	34	27	19
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	5.1 U	1 U	1 U	2 U	1 U	1 U	1.1 U	2.1 U	2.1 U	2.1 U	5.3 U	1 U	2.2 U	--	1.1 U	1.1 U
Thallium	mg/kg	10 U	2 U	2 U	4.1 U	2.1 U	2 U	2.1 U	4.3 U	4.1 U	4.2 U	11 U	2.1 U	4.3 U	--	2.1 U	2.1 U
Vanadium	mg/kg	36	33	31	40	48	34	32	44	55	53	51	48	57	--	42	38
Zinc	mg/kg	39	33	33	42	45	36	34	46	50	50	54	47	59	49	53	60
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	8800	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	22000	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	20000 J	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	6900 J	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	280 J	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	2800 J	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	340	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	5.1 U	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	51 U	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	34 U	35 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	96	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	96	8.5 U	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Acenaphthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Acenaphthylene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
B(a)P Equivalent	ug/kg	5.9 U	5.8 U	5.9 U	5.9 U	6 U	5.9	6.1 U	6.1 U	6 U	6.1 U	6.1 U	6 U	6.2 U	6.1 U	6.1 U	6.1 U
Benzo (a) anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Benzo (a) pyrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Benzo (ghi) perylene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Chrysene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Fluoranthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	10	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Fluorene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Naphthalene	ug/kg	5.1 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.3 U	5.2 U	5.3 U	5 U	5.2 U	5 U	5.3 U	5.3 U	5.3 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	18.2	0	0	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	5.3	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.3	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Pyrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	8.2	5.3 U	5.3 U	5.2 U	5.3 U	5.3 U	5.2 U	5.4 U	5.3 U	5.3 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2-Chlorophenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2-Methylphenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2,4-Dimethylphenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
2,6-Dinitrotoluene	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	680 U	680 U	670 U	700 U	700 U	680 U	700 U	700 U	690 U	720 U	700 U	710 U	700 U
4-Chloroaniline	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
4-Methylphenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U	1800 U	1700 U	1800 U	1700 U	1800 U	1800 U
Acetophenone	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	720 U	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U	1800 U	1700 U	1800 U	1700 U	1800 U	1800 U
Benzyl alcohol	ug/kg	670 U	670 U	670 U	680 U	680 U	670 U	700 U	700 U	680 U	700 U	700 U	690 U	720 U	700 U	710 U	700 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Butylbenzylphthalate	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Caprolactam	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Di-n-octyl phthalate	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Dibenzofuran	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Diethyl phthalate	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Dimethyl phthalate	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Hexachlorobenzene	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Hexachloroethane	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
N-nitrosodiphenylamine	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	0.9 U	1.2 U	1.3 U	--	0.9 U	1.1 U	--	0.89 U	1 U	0.95 U	1.3 U	1.1 U	1.3 U	1.3 U
TPH as motor oil	mg/kg	10 U	58.4	11.6	10 U	10.7	23.7	10 U	22.5	--	10 U	10 U	11.6	10 U	10 U	11.2	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,1-Dichloroethene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,1-Dichloropropene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,1,2-Trichloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2-Dibromoethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2-Dichlorobenzene	ug/kg	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2-Dichloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2-Dichloropropane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2,3-Trichloropropane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2,4-Trichlorobenzene	ug/kg	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,3-Dichlorobenzene	ug/kg	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,3-Dichloropropane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,4-Dichlorobenzene	ug/kg	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	64 U	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
4-Isopropyltoluene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Acetone	ug/kg	--	--	50 U	63 U	78 U	--	64 U	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	120 U	--	100 U	130 U	160 U	--	130 U	110 U	110 U	120 U	100 U	120 U	100 U	120 U	290 U	130 U
Acrylonitrile	ug/kg	--	--	50 U	63 U	78 U	--	64 U	56 U	--	59 U	50 U	60 U	50 U	--	150 U	65 U
Benzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Bromobenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Bromochloromethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Bromodichloromethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Bromoform	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Bromomethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Carbon disulfide	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Carbon tetrachloride	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Chloro methane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Chlorobenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Chloroethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Chloroform	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
cis-1,2-Dichloroethene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
cis-1,3-Dichloropropene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	6.4 U	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Dibromomethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Dichlorodifluoromethane	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Ethyl- benzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Hexachlorobutadiene	ug/kg	--	330 U	5 U	6.3 U	7.8 U	340 U	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	670 U	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
Isopropylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	6.4 U	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	50 U	63 U	78 U	--	64 U	56 U	--	59 U	50 U	60 U	50 U	--	150 U	65 U
Methyl isobutyl ketone	ug/kg	--	--	50 U	63 U	78 U	--	64 U	56 U	--	59 U	50 U	60 U	50 U	--	150 U	65 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-13	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-14	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-15
	SAMPLE	SWMU1-13-1067	SWMU1-14-1071	SWMU1-14-1072	SWMU1-14-1073	SWMU1-14-1074	SWMU1-15-1075	SWMU1-15-1076	SWMU1-15-1077	SWMU1-15-1078	SWMU1-15-1080	SWMU1-15-1081	SWMU1-15-1082	SWMU1-15-1083	SWMU1-15-1084	SWMU1-15-1085	SWMU1-15-1086
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	19	29	39	49	59	69	79
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	20	30	40	50	60	70	80
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	6.4 U	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
N-Butylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
N-Propylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Nitrobenzene	ug/kg	340 U	330 U	340 U	340 U	340 U	340 U	350 U	350 U	340 U	350 U	350 U	340 U	360 U	350 U	350 U	350 U
p-Chlorotoluene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
sec-Butylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Styrene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
tert-Butylbenzene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Tetrachloroethene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Toluene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
trans-1,2-Dichloroethene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
trans-1,3-Dichloropropene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Trichloroethene	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Vinyl chloride	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Xylene, m,p-	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Xylene, o-	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U
Xylenes, total	ug/kg	--	--	5 U	6.3 U	7.8 U	--	6.4 U	5.6 U	--	5.9 U	5 U	6 U	5 U	--	15 U	6.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18
	SAMPLE	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104
	DATE	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016
SAMPLE TOP DEPTH (FT)		89	9	59	0	2	5	0	2	5	9	9	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		90	10	60	0.5	3	6	0.5	3	6	10	10	1	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		90	10	60	0.5	3	6	0.5	3	6	10	10	0.5	3	6	10	15
SAMPLE TYPE			Field Duplicate	Field Duplicate								Field Duplicate					
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	3300	4.7 J	3.5 J	3.5 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	310	0.2 U	0.13 U	0.2 U	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	13	0.092 U	0.09 U	0.073 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.53 U	0.093 U	0.12 U	0.31 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	33	0.049 U	0.16 U	0.25 U	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	91	0.091 U	0.089 U	0.079 U	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	26	0.086 U	0.11 U	0.29 U	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2.4 U	0.085 U	0.041 U	0.063 U	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.37 U	0.14 U	0.048 U	0.044 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	27	0.086 U	0.084 U	0.075 U	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.61 U	0.11 U	0.5 U	0.36 U	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	1500 U	3.3 U	0.57 U	0.87 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	2.7 J	0.15 U	0.052 U	0.047 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.44 U	0.062 U	0.079 U	0.075 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	0.13 U	0.24 U	0.24 U	0.14 U	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	47000	49	13 J	23 J	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	980	0.97 J	0.39 J	0.12 U	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	98	0.47	0.29	0.27	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	140	0.37	0.2	0.23	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	140	0.37	0.2	0.23	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.57	--	--	8.87	9.23	9.14	8.88	9.15	9.71	9.78	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	4 U	--	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Arsenic	mg/kg	3.7	5.1	--	2.6	1.7	1.6	3.7	4.3	2.8	--	4.1	1.7	2.9	1.5	3.5	--
Barium	mg/kg	560	--	--	83	99	110	210	180	130	110	--	93	150	83	55	--
Beryllium	mg/kg	2 U	--	2.1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cadmium	mg/kg	2 U	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	--	0.41 U	0.41 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	--	2.6	0.22 U	0.22 U	0.21 U	0.21 U
Chromium, total	mg/kg	6.5	60	--	10	18	18	27	29	29	--	53 J	16	26	110	41	--
Cobalt	mg/kg	6.2	--	15	4.5	7.9	7.8	11	10	10	--	14	7.7	9.4	7	12	12
Copper	mg/kg	4 U	--	24	5.2	8.3	8.9	16	12	12	26	--	7.4	20	8.5	17	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2 U	4.5	4.3	2.3	2	2	3.5	3.9	3.1	--	4.7	2	2.5	2.1	2.6	--
Mercury	mg/kg	0.1 U	0.1 U	--	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.28	0.27	0.3	0.34	0.35
Molybdenum	mg/kg	2 U	--	2.1 U	1 U	1	1 U	2 U	2 U	2.4	2 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Nickel	mg/kg	7	44	--	6.8	11	11	19	20	18	--	37	13	21	13	27	--
Selenium	mg/kg	2 U	--	--	1 U	1.1	1.6	2 U	1 U	1 U	--	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Silver	mg/kg	2 U	--	2.1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	4 U	--	4.2 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	--	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Vanadium	mg/kg	15	--	52	20	32	32	47	40	39	--	51	29	38	26	47	--
Zinc	mg/kg	21	--	--	21	34	35	46	40	44	--	46	30	40	130	43	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	12000	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	22000	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	23000	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18
	SAMPLE	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104
	DATE	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016
SAMPLE TOP DEPTH (FT)		89	9	59	0	2	5	0	2	5	9	9	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		90	10	60	0.5	3	6	0.5	3	6	10	10	1	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		90	10	60	0.5	3	6	0.5	3	6	10	10	0.5	3	6	10	15
SAMPLE TYPE			Field Duplicate	Field Duplicate								Field Duplicate					
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	9700	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	340	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	4900	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	580	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	50 U	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	18 U	18 U	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	33 U	--	--	--	--	36 U	36 U	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	18 U	18 U	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	18 U	18 U	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	18 U	18 U	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	18 U	18 U	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	18 U	18 U	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	8.5 U	--	--	--	--	9 U	9 U	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Acenaphthene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Acenaphthylene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Anthracene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	5.8 U	--	--	5.9 U	5.9 U	5.9 U	5.8 U	5.9 U	5.9 U	5.9 U	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Chrysene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Fluoranthene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Fluorene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Naphthalene	ug/kg	5 U	--	--	5.1 U	5.1 U	4.8 U	5 U	5.1 U	4.5 U	5.1 U	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18
	SAMPLE	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104
	DATE	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016
SAMPLE TOP DEPTH (FT)		89	9	59	0	2	5	0	2	5	9	9	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		90	10	60	0.5	3	6	0.5	3	6	10	10	1	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		90	10	60	0.5	3	6	0.5	3	6	10	10	0.5	3	6	10	15
SAMPLE TYPE			Field Duplicate	Field Duplicate								Field Duplicate					
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	--	--	0	0	0	0	0	0	0	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	--	--	0	0	0	0	0	0	0	--	--	--	--	--	--
Phenanthrene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Pyrene	ug/kg	5 U	--	--	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	660 U	--	--	670 U	680 U	670 U	660 U	670 U	670 U	670 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	660 U	--	--	670 U	680 U	670 U	660 U	670 U	670 U	670 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
Phenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	--	10 U	10 U	14.5 J	10 U	10 U	10 U	10 U	--	--	--	--	--	--
TPH as gasoline	mg/kg	1 U	1.1 U	--	--	1.3 U	0.98 U	--	1.2 UJ	1 U	--	1.5 U	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	19.8	--	19.2 J	10 U	33.8 J	150 J	10 U	27.2 J	10 U	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18
	SAMPLE	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104
	DATE	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016
SAMPLE TOP DEPTH (FT)		89	9	59	0	2	5	0	2	5	9	9	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		90	10	60	0.5	3	6	0.5	3	6	10	10	1	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		90	10	60	0.5	3	6	0.5	3	6	10	10	0.5	3	6	10	15
SAMPLE TYPE			Field Duplicate	Field Duplicate								Field Duplicate					
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	70 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	100 U	--	--	--	100 U	96 U	--	140 U	91 U	--	130 U	--	--	--	--	--
Acrylonitrile	ug/kg	52 U	56 U	60 U	--	52 U	48 U	--	70 U	45 U	--	63 U	--	--	--	--	--
Benzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Bromobenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Bromochloromethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Bromodichloromethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Bromoform	ug/kg	5.2 UJ	5.6 U	6 UJ	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Bromomethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Carbon disulfide	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Chloro methane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Chlorobenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Chloroethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Chloroform	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	7 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Dibromomethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Ethyl- benzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.2 U	5.6 U	6 U	330 U	5.2 U	4.8 U	330 U	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	660 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	7 U	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	52 U	56 U	60 U	--	52 U	48 U	--	70 U	45 U	--	63 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	52 U	56 U	60 U	--	52 U	48 U	--	70 U	45 U	--	63 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-15	SWMU1-15	SWMU1-15	SWMU1-16	SWMU1-16	SWMU1-16	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-17	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18
	SAMPLE	SWMU1-15-1087	SWMU1-15-1079	SWMU1-15-1089	SWMU1-16-1090	SWMU1-16-1091	SWMU1-16-1092	SWMU1-17-1094	SWMU1-17-1095	SWMU1-17-1096	SWMU1-17-1097	SWMU1-17-1098	SWMU1-18-1100	SWMU1-18-1101	SWMU1-18-1102	SWMU1-18-1103	SWMU1-18-1104
	DATE	9/23/2008	9/22/2008	9/22/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	1/7/2016	1/7/2016	1/7/2016	1/7/2016	1/7/2016
SAMPLE TOP DEPTH (FT)		89	9	59	0	2	5	0	2	5	9	9	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		90	10	60	0.5	3	6	0.5	3	6	10	10	1	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		90	10	60	0.5	3	6	0.5	3	6	10	10	0.5	3	6	10	15
SAMPLE TYPE			Field Duplicate	Field Duplicate								Field Duplicate					
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	7 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
N-Butylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
N-Propylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	--	--	330 U	340 U	330 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Styrene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Tetrachloroethene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Toluene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Trichloroethene	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Vinyl chloride	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Xylene, m,p-	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Xylene, o-	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--
Xylenes, total	ug/kg	5.2 U	5.6 U	6 U	--	5.2 U	4.8 U	--	7 U	4.5 U	--	6.3 U	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120
	DATE	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		19	29	39	49	59	69	79	14	0	2	5	9	14	19	19	29
SAMPLE BOTTOM DEPTH (FT)		20	30	40	50	60	70	80	15	1	3	6	10	15	20	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	30	40	50	60	70	80	15	0.5	3	6	10	15	20	20	30
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	80	14000	1100	3300	1100 J	25 J	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	4.5 J	2200	79	170	100 J	2.4 UJ	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	0.82 U	130	4.3 J	17	6.4 UJ	0.11 UJ	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.35 U	320	2.1 U	15 U	6.2 UJ	0.11 UJ	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	0.23 U	41 U	3.7 U	25	9.1 J	2.8 UJ	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	3.3 J	770	31	120	40 J	0.12 UJ	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.33 U	24 U	1.9 U	14 U	9.1 UJ	0.24 UJ	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	0.41 U	63	1.5 U	7.8 J	3 J	0.079 UJ	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.27 U	2.7 U	0.8 U	3 J	1.9 UJ	0.087 UJ	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	1.5 U	350	10 J	45	12 J	0.27 UJ	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.41 U	30 U	2.4 U	18 U	7.1 UJ	0.13 UJ	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	41 U	12000 U	360 U	2600 U	700 UJ	29 UJ	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.29 U	36	0.86 U	17	5.6 J	0.13 UJ	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	0.1 U	3.1 J	0.13 U	0.97 U	0.48 UJ	0.07 UJ	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	0.31 U	0.91 U	0.58 U	0.59 U	0.9 J	0.046 UJ	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	450	240000	16000	43000	15000 J	340 J	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	11 J	6500	230	300	120 J	1.7 J	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	3	850	25	170	51	1.7	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	3.9	1100	41	210	63	2	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	3.9	1100	41	210	63	2	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.2 U	2.1 U	2.2 U	2.4 UJ	2.6 U	2.3 U	2.5 U	--	2.1 U	2.1 U	2.1 U	2 U	2.1 U	--	2.1 U	2.1 U
Arsenic	mg/kg	3.4	2.5	3.3	4.6	5.6	2.8	3.2	3.2	7.8	1.9	3.5	3.8	1.6	5.2	--	2.4
Barium	mg/kg	110	59	96	66 J	84	72	41	94 J	86	89	74	110	67	--	64	33
Beryllium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	--	1.1 U
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	--	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.22 U	0.21 U	0.21 U	0.24 U	0.26 U	0.23 U	0.25 U	--	1.3	22	4.9	22	6.8	0.21 U	--	0.21 U
Chromium, total	mg/kg	50	29	42	33 J	27	21	28	50	1400	23	680	2100	240	--	31 J	19
Cobalt	mg/kg	14	8.9	12	11	10	9.1	9	--	5.7	6.6	5.7	6.1	6.3	--	8.5	9.1
Copper	mg/kg	21	22	19	19	16	13	17	25 J	10	8.8	9.9	18	23	12	--	59
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.6	2	2.9	4.2	5.6	2.5	2.1	3.5	3.5	1.8	1.8	2.4	1.6	3.3	--	1.8
Mercury	mg/kg	0.33	0.29	0.29	0.27	0.31	0.12 U	0.13 U	--	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.11 U
Molybdenum	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1.1	1.1 U	1 U	1 U	1 U	1.1 U	--	1.1 U
Nickel	mg/kg	41	23	28	28	22	16	22	40	7.7	16	8.9	9.2	9.7	--	19	20
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 UJ	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	--	1.1 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	--	1 U	1.1 U	1 U	1 U	1 U	1.1 U	--	1.1 U
Thallium	mg/kg	2.2 U	2.1 U	2.2 U	2.4 U	2.6 U	2.3 U	2.5 U	--	2.1 U	2.1 U	2.1 U	2 U	2.1 U	--	2.1 U	2.1 U
Vanadium	mg/kg	53	33	50	47	44	37	37	48	34	26	32	37	27	--	38	34
Zinc	mg/kg	49	33	44	46 J	54	41	37	44	160	34	87	120	150	120	--	35
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120
	DATE	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		19	29	39	49	59	69	79	14	0	2	5	9	14	19	19	29
SAMPLE BOTTOM DEPTH (FT)		20	30	40	50	60	70	80	15	1	3	6	10	15	20	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	30	40	50	60	70	80	15	0.5	3	6	10	15	20	20	30
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	35 U	35 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	17 U	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	8.5 U	8.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120
	DATE	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		19	29	39	49	59	69	79	14	0	2	5	9	14	19	19	29
SAMPLE BOTTOM DEPTH (FT)		20	30	40	50	60	70	80	15	1	3	6	10	15	20	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	30	40	50	60	70	80	15	0.5	3	6	10	15	20	20	30
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120
	DATE	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
	SAMPLE TOP DEPTH (FT)	19	29	39	49	59	69	79	14	0	2	5	9	14	19	19	29
	SAMPLE BOTTOM DEPTH (FT)	20	30	40	50	60	70	80	15	1	3	6	10	15	20	20	30
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	20	30	40	50	60	70	80	15	0.5	3	6	10	15	20	20	30
	SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-18	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19
	SAMPLE	SWMU1-18-1106	SWMU1-18-1107	SWMU1-18-1108	SWMU1-18-1109	SWMU1-18-1110	SWMU1-18-1111	SWMU1-18-1112	SWMU1-18-1105	SWMU1-19-1113	SWMU1-19-1114	SWMU1-19-1115	SWMU1-19-1116	SWMU1-19-1117	SWMU1-19-1118	SWMU1-19-1119	SWMU1-19-1120
	DATE	1/7/2016	1/7/2016	1/7/2016	1/8/2016	1/8/2016	1/8/2016	1/8/2016	1/7/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016	1/9/2016
SAMPLE TOP DEPTH (FT)		19	29	39	49	59	69	79	14	0	2	5	9	14	19	19	29
SAMPLE BOTTOM DEPTH (FT)		20	30	40	50	60	70	80	15	1	3	6	10	15	20	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		20	30	40	50	60	70	80	15	0.5	3	6	10	15	20	20	30
SAMPLE TYPE									Field Duplicate							Field Duplicate	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129
	DATE	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	0	2	5	9	1	2	5	9	14	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	0.5	3	6	10	1.5	3	6	10	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	0.5	3	6	10	0.5	3	6	10	15	20	30
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	170	63	2200	13000	1900	4.8 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	10 J	3.1 J	220	1500	160	0.16 U	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	1.1 U	1.7 U	23	75	11 J	0.079 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.44 U	0.62 U	16 U	350	140 U	0.21 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.9 U	0.5 U	16	150	7.6 U	0.19 U	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	7 J	3.7 J	100	730	67	0.068 U	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.6 U	0.81 U	15 U	59	130 U	0.18 U	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.87 U	1.5 U	20	31	2.5 U	0.047 U	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.31 U	0.33 U	8 J	2.5 U	0.8 U	0.069 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	2.6 U	3.9 J	69	170	21	0.069 U	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.51 U	0.19 U	19 U	36	160 U	0.24 U	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	33 U	20 U	690 U	11000 U	1300 U	2.7 U	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.33 U	0.36 U	3.5 U	75	12 J	0.069 U	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.44 U	0.18 U	1.2 J	4.6 J	0.46 U	0.034 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.44 U	0.15 U	2.6 U	0.5 U	0.39 U	0.066 U	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	1100	670	24000	160000	46000	71 U	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	25	9.3 J	380	5700	200	0.57 U	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	3.4	2.8	78	780	110	0.29	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	5.5	3.7	110	950	140	0.29	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	5.5	3.7	110	950	140	0.29	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8.68	9.01	9.04	8.41	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	--	--	--	--	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	2.5	2.7	2.7	3.6	2.5	4.7	2.6	3.2	1 U	--	--	--	--	1.9	2.2	2
Barium	mg/kg	22	87	66	130	85	110	110	120	130	--	--	--	--	--	--	--
Beryllium	mg/kg	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.4 U	0.4 U	0.4 U	22.8	--	--	--	--	8.9	--	--
Chromium, total	mg/kg	16	32	29	22	16	26	36	44	2000	--	--	--	--	--	23	--
Cobalt	mg/kg	7.1	11	8.9	9.2	8.2	7.3	9.3	8.9	10	--	--	--	--	--	--	--
Copper	mg/kg	14	28	16	17	10	22	10	12	15	--	--	--	--	--	--	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.7	2.2	2.5	2.6	1.6	6.5	3.7	6.1	4	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.24	0.23	0.27	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	3	2.8	--	--	--	--	1 U	1 U	1 U
Nickel	mg/kg	16	23	18	18	14	14	15	16	16	--	--	--	--	13	13	--
Selenium	mg/kg	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	--	--	--	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	--	--	--	--	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	29	43	34	36	31	35	33	33	41	--	--	--	--	--	--	--
Zinc	mg/kg	33	40	38	38	34	37	38	38	100	--	--	--	--	--	--	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129
	DATE	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	0	2	5	9	1	2	5	9	14	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	0.5	3	6	10	1.5	3	6	10	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	0.5	3	6	10	0.5	3	6	10	15	20	30
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	5.8 U	5.9 U	5.8 U	6 U	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	5 U	4.4 U	5 U	5.2 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129
	DATE	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	0	2	5	9	1	2	5	9	14	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	0.5	3	6	10	1.5	3	6	10	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	0.5	3	6	10	0.5	3	6	10	15	20	30
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	0	0	0	0	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	0	0	0	0	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	5 U	5.1 U	5 U	5.2 U	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	690 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	660 U	670 U	670 U	690 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	12.4	10 U	10 U	10 U	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	0.98 U	0.92 U	1 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	13.1	12.6	15	10 U	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129
	DATE	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	0	2	5	9	1	2	5	9	14	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	0.5	3	6	10	1.5	3	6	10	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	0.5	3	6	10	0.5	3	6	10	15	20	30
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	88 U	100 U	120 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	330 U	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	44 U	51 U	58 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-19	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-2	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20
	SAMPLE	SWMU1-19-1121	SWMU1-19-1122	SWMU1-19-1123	SWMU1-19-1124	SWMU1-19-1125	SWMU1-2-1005	SWMU1-2-1006	SWMU1-2-1007	SWMU1-2-1008	SWMU1-20-1152-1	SWMU1-20-1152-2	SWMU1-20-1152-6	SWMU1-20-1152-10	SWMU1-20-1126	SWMU1-20-1128	SWMU1-20-1129
	DATE	1/9/2016	1/9/2016	1/9/2016	1/10/2016	1/10/2016	10/15/2008	10/15/2008	10/15/2008	10/15/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	0	2	5	9	1	2	5	9	14	19	29
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	0.5	3	6	10	1.5	3	6	10	15	20	30
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	0.5	3	6	10	0.5	3	6	10	15	20	30
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	4.4 U	5.1 U	5.8 U	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140
	DATE	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	14	0	2	5	9	14	19	29	39	49	59
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	15	1	3	6	10	15	20	30	40	50	60
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	15	0.5	3	6	10	15	20	30	40	50	60
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	10000	19000	1600	130	31	12 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	1100	320 U	21	0.95 U	0.2 U	0.087 U	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	12 U	160	27	0.64 U	0.18 U	0.11 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	28	89	1.9 U	0.21 U	0.17 U	0.074 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	49 J	410 U	10 U	0.39 U	0.23 U	0.34 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	130 J	1000	30	2.6 U	0.15 U	0.47 U	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	9.3 U	150	1.8 U	0.19 U	0.15 U	0.15 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	2.6 U	92	0.67 U	0.082 U	0.077 U	0.13 U	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	7.9 U	61 U	5.2 U	0.21 U	0.091 U	0.066 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	12 U	350	8.4 J	1.2 U	0.16 U	0.092 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	12 U	38 U	2.2 U	0.24 U	0.2 U	0.084 U	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	220 U	6500 U	260 U	0.21 U	3.7 U	1.6 U	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	7.9 J	66 U	5.6 U	0.22 U	0.21 U	0.077 U	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	0.69 J	3.5 J	0.28 U	0.062 U	0.05 U	0.058 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	1.3 U	6.8 U	0.26 U	0.11 U	0.084 U	0.066 U	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	140000	2.00E+05	12000	500	110 B	110 B	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	13000	10000	44	1.3 U	1.1 J	1.3 U	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	65	580	23	0.57	0.48	0.3	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	190	870	41	1.8	0.68	0.39	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	190	870	41	1.8	0.68	0.39	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.2 U	2.1 U	2 U	2.1 U	--	--	--	--	--	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	2.4	2.3	2.1	1.9	2.5	--	--	--	--	--	1.9	1 U	2.5	2.3	2.6	3.1
Barium	mg/kg	29	28	32	56	100	76	--	--	--	--	64	77	50	35	26	45
Beryllium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1.1 U
Cadmium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.22 U	0.21 U	0.2 U	0.21 U	--	--	--	--	--	0.5	0.3	0.21 U	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	18	15	21	23	27	--	--	--	--	--	19	16	16	14	14	22
Cobalt	mg/kg	8.6	8.6	7.7	9.4	10	9.7	--	--	--	--	7.5	7.4	8	8.1	7.7	9.6
Copper	mg/kg	13	8	38	10	11	9.9	--	--	--	--	13	8.7	11	7.9	9	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.7	2	1.2	1.2	1.7	2.2	--	--	--	--	1.4	1 U	1.3	1.3	1.5	1.7
Mercury	mg/kg	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1.1 U
Nickel	mg/kg	13	13	15	14	16	--	--	--	--	--	10	9.1	12	11	12	17
Selenium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U	1 UJ	1 U	1 U	1.1 U
Silver	mg/kg	1 U	1.1 U	1 U	1 U	1 U	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U	1.1 U
Thallium	mg/kg	2.1 U	2.2 U	2.1 U	2 U	2.1 U	--	--	--	--	--	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	32	31	29	34	39	32	--	--	--	--	31	29	28	29	27	32
Zinc	mg/kg	36	37	32	34	41	98	--	--	--	--	78	69	34	37	33	41
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140
	DATE	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	14	0	2	5	9	14	19	29	39	49	59
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	15	1	3	6	10	15	20	30	40	50	60
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	15	0.5	3	6	10	15	20	30	40	50	60
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140
	DATE	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	14	0	2	5	9	14	19	29	39	49	59
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	15	1	3	6	10	15	20	30	40	50	60
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	15	0.5	3	6	10	15	20	30	40	50	60
SAMPLE TYPE							Field Duplicate										
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140
	DATE	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	14	0	2	5	9	14	19	29	39	49	59
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	15	1	3	6	10	15	20	30	40	50	60
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	15	0.5	3	6	10	15	20	30	40	50	60
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-20	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-21
	SAMPLE	SWMU1-20-1130	SWMU1-20-1131	SWMU1-20-1132	SWMU1-20-1133	SWMU1-20-1134	SWMU1-20-1127	SWMU1-21-1153	SWMU1-21-1154	SWMU1-21-1155	SWMU1-21-1156	SWMU1-21-1135	SWMU1-21-1136	SWMU1-21-1137	SWMU1-21-1138	SWMU1-21-1139	SWMU1-21-1140
	DATE	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/14/2016	1/13/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016	1/27/2016
SAMPLE TOP DEPTH (FT)		39	49	59	69	79	14	0	2	5	9	14	19	29	39	49	59
SAMPLE BOTTOM DEPTH (FT)		40	50	60	70	80	15	1	3	6	10	15	20	30	40	50	60
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		40	50	60	70	80	15	0.5	3	6	10	15	20	30	40	50	60
SAMPLE TYPE							Field Duplicate										
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163
	DATE	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		69	79	79	0	0	0	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		70	80	80	1	1	1	1	3	6	10	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE				Field Duplicate													
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	240 J	--	47000 J	140000	340	210	59	450 J	46	410	11 J	1.9 J	0.19 U
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	17 J	--	5500 J	1100 U	13	5.6 U	5.4 J	--	3.4 U	61	2.8 U	0.64 U	0.37 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	1.9 UJ	--	540 UJ	1900	1.9 J	2.5 J	0.39 U	--	0.25 U	1.4 U	0.57 U	0.11 U	0.13 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	2.7 UJ	--	150 J	400 U	0.89 U	0.85 U	0.85 U	2 U	0.13 U	1.4 U	0.66 J	0.11 U	0.086 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	1.1 UJ	--	71 UJ	1400 U	1.8 U	1.3 U	0.42 U	--	0.6 U	8.3 J	2 U	0.45 U	0.12 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	6.1 J	--	1600 J	14000	7.8 J	6.1 J	1.7 J	--	0.25 U	14	0.48 U	0.1 U	0.13 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	2.3 UJ	--	260 J	1600	0.82 U	0.79 U	1.1 U	1.8 U	0.12 U	5.6 J	0.49 U	0.096 U	0.078 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	0.36 UJ	--	150 J	910	0.21 U	0.17 U	0.19 U	0.25 U	0.16 U	0.68 U	0.33 J	0.1 U	0.12 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.99 UJ	--	80 UJ	92 U	0.35 U	0.53 U	0.16 U	--	0.16 U	3.2 U	0.47 J	0.11 U	0.12 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	2.8 UJ	--	470 UJ	2900	2.5 U	1.9 J	0.49 U	--	0.61 U	2.6 U	0.99 J	0.14 U	0.15 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	3.2 UJ	--	38 UJ	470 U	1 U	1 U	0.4 U	2.3 U	0.15 U	1.7 U	1.2 U	0.19 U	0.5 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	24 UJ	--	4000 UJ	140000 U	71 U	37 U	24 U	--	10 U	420 U	1.7 U	0.5 U	0.68 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	0.64 UJ	--	81 UJ	1600	0.38 U	0.57 U	0.18 U	0.79 U	0.51 U	3.3 U	0.17 U	0.11 U	0.12 U
2,3,7,8-TCDD	ng/kg	--	--	--	0.26 UJ	--	18 J	67	0.16 U	0.58 U	0.097 U	--	0.27 U	0.12 U	0.11 U	0.084 U	0.12 U
2,3,7,8-TCDF	ng/kg	--	--	--	1.5 UJ	--	7.4 J	89	0.22 U	0.65 J	0.14 U	0.62 U	1.2 U	0.77 J	0.74 J	0.31 U	0.45 U
OCDD	ng/kg	--	--	--	2100 J	--	360000 J	540000	4400	2200	670	--	390	7100	80	20 J	11 J
OCDF	ng/kg	--	--	--	31 J	--	5000 J	160000	35	13 J	12 J	75	8.7 J	120	4.2 U	0.26 U	1 U
TEQ Avian	ng/kg	--	--	--	3.9	--	650	11000	5.4	4.2	1.9	--	1.7	27	1.7	0.37	0.49
TEQ Human	ng/kg	--	--	--	6.2	--	1300	12000	9.9	6.4	2.6	--	1.5	31	1	0.22	0.26
TEQ Mammals	ng/kg	--	--	--	6.2	--	1300	12000	9.9	6.4	2.6	--	1.5	31	1	0.22	0.26
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.2 U	--	2 U	2 U	2 U	18	2.4	2.1 U	2.1 U	--	--	--	--	--	--
Arsenic	mg/kg	2.6	--	3.4	3.6	2.7	3.5	14	2.7	2.5	3.1	--	--	--	--	--	--
Barium	mg/kg	54	330 J	--	140	120	170	210	53	30	24	--	--	--	--	--	--
Beryllium	mg/kg	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Cadmium	mg/kg	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.22 U	--	0.2 U	0.36	1.6	42	9.5	2.3	0.21 U	--	--	--	--	--	--
Chromium, total	mg/kg	23	19	--	18	23	55	2000	450	200	17	--	--	--	--	--	--
Cobalt	mg/kg	9.2	7.6	--	--	7.2	7.1	7.6	8.5	7.4	8.5	--	--	--	--	--	--
Copper	mg/kg	10	16	--	12	11	13	12	13	14	11	--	--	--	--	--	--
CR6 SPLP	mg/L	--	--	--	0.00038	0.0024	0.0023	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.5	--	1.3	6.5	7.5	6.5	4.4	1.6	1.6	2.1	--	--	--	--	--	--
Mercury	mg/kg	0.1 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	--	--	--	--	--	--
Molybdenum	mg/kg	1 U	1.1 U	--	1 U	1 U	1 U	20	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Nickel	mg/kg	17	15	--	13	14	15	12	18	12	12	--	--	--	--	--	--
Selenium	mg/kg	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Silver	mg/kg	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--
Thallium	mg/kg	2.1 U	2.2 U	--	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	--	--
Vanadium	mg/kg	34	29	--	26	31	29	38	35	29	29	--	--	--	--	--	--
Zinc	mg/kg	40	--	35	33	39	44	60	200	170	37	--	--	--	--	--	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	29000	23000	28000	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	15000	18000	17000	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163
	DATE	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		69	79	79	0	0	0	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		70	80	80	1	1	1	1	3	6	10	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE				Field Duplicate													
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	7100	7000	7600	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	230	220	220	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2300	2200	2300	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	350	410	890	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	34 U	34 U	34 U	34 U	35 U	35 U	35 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	150	25	57	46 J	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	17 U	17 U	17 U	17 U	18 U	18 U	18 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	150	25	57	46	9 U	9 U	9 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163
	DATE	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		69	79	79	0	0	0	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		70	80	80	1	1	1	1	3	6	10	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE				Field Duplicate													
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163
	DATE	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		69	79	79	0	0	0	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		70	80	80	1	1	1	1	3	6	10	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-21	SWMU1-21	SWMU1-21	SWMU1-22	SWMU1-23	SWMU1-24	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-25	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26	SWMU1-26
	SAMPLE	SWMU1-21-1141	SWMU1-21-1142	SWMU1-21-1143	SWMU1-22-1144	SWMU1-23-1146	SWMU1-24-1147	SWMU1-25-1148	SWMU1-25-1149	SWMU1-25-1150	SWMU1-25-1151	SWMU1-26-1157	SWMU1-26-1159	SWMU1-26-1160	SWMU1-26-1161	SWMU1-26-1162	SWMU1-26-1163
	DATE	1/27/2016	1/27/2016	1/27/2016	12/17/2015	12/17/2015	12/17/2015	1/26/2016	1/26/2016	1/26/2016	1/26/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		69	79	79	0	0	0	0	2	5	9	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		70	80	80	1	1	1	1	3	6	10	0.5	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		70	80	80	0.5	0.5	0.5	0.5	3	6	10	0.5	3	6	10	15	20
SAMPLE TYPE				Field Duplicate													
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3
	SAMPLE	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011
	DATE	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017	2/16/2017	2/16/2017	10/6/2008	10/6/2008
	SAMPLE TOP DEPTH (FT)	0	0	2	5	9	14	19	0	2	0	0	2	5	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
	SAMPLE TYPE	Field Duplicate									Field Duplicate						Field Duplicate
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	210	34	150	1.8 U	0.28 U	1.1 U	150	33	--	240 J	4700	400	380	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	70	22	2.7 U	17	0.36 U	0.14 U	0.45 U	--	6.4 J	15	21	250	29	23	--	--
1,2,3,4,7,8-HxCDD	ng/kg	2.1 J	1.1 U	0.42 U	0.63 U	0.081 U	0.21 J	0.048 U	--	0.27 U	0.43 U	1.2 U	61	3.2 J	1.6 U	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.42 U	0.42 U	1.8 U	0.071 U	0.24 U	0.093 U	0.2 U	0.35 U	--	1.6 J	20	2.9 U	2.4 J	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	5.7 J	4.4 U	0.23 U	2.6 U	0.064 U	0.62 U	0.37 U	1.9 U	0.7 U	--	1.7 U	25	2.7 J	2.3 J	--	--
1,2,3,6,7,8-HxCDD	ng/kg	21	0.37 U	1.1 J	4.2 J	0.08 U	0.27 U	0.047 U	--	1.3 J	3.5 J	8.1 J	240	14	9.2 J	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	2.3 U	0.1 U	1.6 U	0.065 U	0.057 U	0.085 U	--	0.18 U	0.46 U	0.92 U	18	1.6 U	0.64 U	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.53 U	0.13 U	0.92 U	0.11 U	0.08 U	0.092 U	--	0.32 U	0.13 U	0.62 U	39	1.8 U	0.94 U	--	--
1,2,3,7,8-PeCDF	ng/kg	0.38 U	2.1 U	0.18 U	0.53 U	0.093 U	0.072 U	0.033 U	0.2 U	0.3 U	--	0.93 U	7.4 J	0.68 U	0.16 U	--	--
1,2,3,7,8,9-HxCDD	ng/kg	4 J	3 J	0.74 J	2 J	0.26 U	0.078 U	0.075 U	--	0.87 J	0.42 U	2.8 J	110 U	7 J	3.8 U	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	1.2 U	0.13 U	2.1 U	0.17 U	0.42 U	0.11 U	0.3 U	0.22 U	--	0.34 U	4.6 J	0.27 U	0.4 U	--	--
2,3,4,6,7,8-HxCDF	ng/kg	140 U	78 U	5.9 U	44 U	0.69 U	0.2 U	0.096 U	25 U	8.7 U	--	49 U	3400 U	190 U	130 U	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.4 U	0.18 U	0.51 U	0.098 U	0.075 U	0.15 U	0.21 U	0.56 U	--	1.1 U	7.1 J	1.3 J	0.45 U	--	--
2,3,7,8-TCDD	ng/kg	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U	0.17 U	0.09 U	--	0.061 U	0.071 U	0.15 U	0.16 U	0.11 U	0.13 U	--	--
2,3,7,8-TCDF	ng/kg	--	0.28 U	0.6 U	0.59 U	0.27 J	0.69 U	0.29 U	--	0.17 U	0.1 U	0.57 U	2 J	0.59 J	0.39 U	--	--
OCDD	ng/kg	8000 J	2100	250	1600	22 U	9.9 U	12 U	1000	230	--	2400	48000 J	4700	6200	--	--
OCDF	ng/kg	--	56	4.6 U	35	0.78 U	1.3 U	0.76 U	--	11 U	59	56 J	320	48	43	--	--
TEQ Avian	ng/kg	12	5.9	1	4.3	0.5	0.58	0.34 U	2.2	1.3	--	5	250	15	9.3	--	--
TEQ Human	ng/kg	26	7.9	1.1	5.9	0.24	0.26	0.17 U	3.8	1.5	--	7.8	320	19	15	--	--
TEQ Mammals	ng/kg	26	7.9	1.1	5.9	0.24	0.26	0.17 U	3.8	1.5	--	7.8	320	19	15	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.37	8.85
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	--	--	--	--	--	--	--	2 U	2 U	--	2 U	13	2.6	2.1 U	2 U	2 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	1.4	1.9	1 U	7.2	1.6	1 U	2.7	2.8
Barium	mg/kg	--	--	--	--	--	--	--	140	97	--	70	89	73	54	94	--
Beryllium	mg/kg	--	--	--	--	--	--	--	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	1.2	1.4	1.5	1.1	1.2	1.2	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	--	--	--	--	0.2 U	0.2 U	--	0.2 U	17	5.6	1.4	0.41 U	0.41 U
Chromium, total	mg/kg	--	--	--	--	--	--	--	--	13	16	19	1100	270	98	28	--
Cobalt	mg/kg	--	--	--	--	--	--	--	--	6.6	7.7	7.3	5.6	7.2	7.2	9.9	--
Copper	mg/kg	--	--	--	--	--	--	--	9.1	8.3	--	8.5	8.7	11	13	11	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	1.6	3	--	1.2	2.3	1 U	1.1	3.9	2.9
Mercury	mg/kg	--	--	--	--	--	--	--	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	1 U	1 U	--	1 U	1.2	1 U	1 U	1 U	--
Nickel	mg/kg	--	--	--	--	--	--	--	9.7	8.3	--	9.9	8	11	9.7	15	--
Selenium	mg/kg	--	--	--	--	--	--	--	1 UJ	1 UJ	--	1 UJ	1 UJ	1 UJ	1 UJ	1 U	--
Silver	mg/kg	--	--	--	--	--	--	--	1 UJ	1 UJ	--	1 UJ	1 UJ	1 UJ	1 UJ	1 U	--
Thallium	mg/kg	--	--	--	--	--	--	--	2 UJ	2 UJ	--	2 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2 U	2 U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	24	28	33	29	26	27	37	--
Zinc	mg/kg	--	--	--	--	--	--	--	--	31	34	28 J	41	33	140	33	--
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	8200	--	--	6700	--	--	--	8100	--
Calcium	mg/kg	--	--	--	--	--	--	--	21000	--	--	14000	--	--	--	16000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	0.2 UJ	--	--	0.2 UJ	--	--	--	1 U	--
Iron	mg/kg	--	--	--	--	--	--	--	21000	--	--	24000 J	--	--	--	21000	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3
	SAMPLE	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011
	DATE	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017	2/16/2017	2/16/2017	10/6/2008	10/6/2008
	SAMPLE TOP DEPTH (FT)	0	0	2	5	9	14	19	0	2	0	0	2	5	9	0	2
	SAMPLE BOTTOM DEPTH (FT)	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
	SAMPLE TYPE	Field Duplicate									Field Duplicate						Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	6100	--	--	5200	--	--	--	6400	--
Manganese	mg/kg	--	--	--	--	--	--	--	240	--	--	220	--	--	--	250	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	3500	--	--	2400	--	--	--	2500	--
Sodium	mg/kg	--	--	--	--	--	--	--	180	--	--	150	--	--	--	260 U	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2 U	--	--	--	2 U	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1 U	--	--	--	1 U	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	--	--	5.1 U	--	--	--	5 U	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	--	--	51 U	--	--	--	50 U	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	17 U	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	33 U	--	--	--	--	--	--	33 U	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	17 U	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	17 U	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	17 U	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	18	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	8.5 U	--	--	--	--	--	--	18	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	--	--	--	--	5 U	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	340 U	--	--	--	5 U	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	340 U	--	--	--	5 U	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	340 U	--	--	--	5 U	--
Anthracene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	340 U	--	--	--	5 U	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	31	--	--	390 U	--	--	--	5.8 U	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	26	--	--	340 U	--	--	--	5 U	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	21	--	--	340 U	--	--	--	5 U	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	38	--	--	340 U	--	--	--	5 U	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	14	--	--	340 U	--	--	--	5 U	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	12	--	--	340 U	--	--	--	5 U	--
Chrysene	ug/kg	--	--	--	--	--	--	--	20	--	--	340 U	--	--	--	5 U	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	340 U	--	--	--	5 U	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	36	--	--	340 U	--	--	--	5 U	--
Fluorene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	340 U	--	--	--	5 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	12	--	--	340 U	--	--	--	5 U	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	5 U	--	--	6.8 U	--	--	--	5 U	4.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3
	SAMPLE	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011
	DATE	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017	2/16/2017	2/16/2017	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	14	19	0	2	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate									Field Duplicate						Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	211	--	--	0	--	--	--	0	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	7.4	--	--	0	--	--	--	0	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	7.4	--	--	340 U	--	--	--	5 U	--
Pyrene	ug/kg	--	--	--	--	--	--	--	32	--	--	340 U	--	--	--	5 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	710 U	--	--	710 U	--	--	--	710 U	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	710 U	--	--	710 U	--	--	--	710 U	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1600 U	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	710 U	--	--	710 U	--	--	--	710 U	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	330 U	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1600 U	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1600 U	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	670 U	--	--	670 U	--	--	--	330 U	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	670 U	--	--	670 U	--	--	--	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	670 U	--	--	670 U	--	--	--	330 U	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1600 U	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1600 U	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1700 U	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	710 U	--	--	710 U	--	--	--	710 U	--
Atrazine	ug/kg	--	--	--	--	--	--	--	710 U	--	--	710 U	--	--	--	710 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	710 UJ	--	--	710 U	--	--	--	710 U	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1700 U	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	670 U	--	--	670 U	--	--	--	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	330 UJ	--	--	340 U	--	--	--	330 U	--
Carbazole	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	1700 U	--	--	1700 U	--	--	--	1600 U	--
Phenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30.4	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3
	SAMPLE	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011
	DATE	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017	2/16/2017	2/16/2017	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	14	19	0	2	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate									Field Duplicate						Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	330 U	4.5 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	330 U	4.5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	330 U	4.5 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	330 U	4.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	57 U	--	--	68 U	--	--	--	--	45 U
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	1600 U	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Acetone	ug/kg	--	--	--	--	--	--	--	57 U	--	--	68 U	--	--	--	--	45 U
Acrolein	ug/kg	--	--	--	--	--	--	--	110 U	--	--	140 U	--	--	--	--	90 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	57 U	--	--	68 U	--	--	--	--	45 U
Benzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Bromoform	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Chloroform	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Dibromomethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	330 U	4.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	670 UJ	--	--	670 U	--	--	--	670 U	--
Isophorone	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	5.7 UJ	--	--	6.8 UJ	--	--	--	--	4.5 U
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	57 U	--	--	68 U	--	--	--	--	45 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	57 U	--	--	68 U	--	--	--	--	45 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-26	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-27	SWMU1-28	SWMU1-28	SWMU1-28	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-29	SWMU1-3	SWMU1-3
	SAMPLE	SWMU1-26-1158	SWMU1-27-1165	SWMU1-27-1166	SWMU1-27-1167	SWMU1-27-1168	SWMU1-27-1169	SWMU1-27-1170	SWMU1-28-1172	SWMU1-28-1174	SWMU1-28-1173	SWMU1-29-1175	SWMU1-29-1176	SWMU1-29-1177	SWMU1-29-1178	SWMU1-3-1009	SWMU1-3-1011
	DATE	1/8/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	1/7/2017	2/14/2017	2/14/2017	2/14/2017	2/16/2017	2/16/2017	2/16/2017	2/16/2017	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		0	0	2	5	9	14	19	0	2	0	0	2	5	9	0	2
SAMPLE BOTTOM DEPTH (FT)		0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	10	15	20	0.5	3	0.5	0.5	3	6	10	0.5	3
SAMPLE TYPE		Field Duplicate									Field Duplicate						Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Methylene chloride	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	330 U	--	--	340 U	--	--	--	330 U	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Styrene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Toluene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	5.7 U	--	--	6.8 U	--	--	--	--	4.5 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4
	SAMPLE	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	19	29	39	49	59	69	79	79	2	0	2	5	7	9
SAMPLE BOTTOM DEPTH (FT)		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.36	9.2	9.45	9.5	9.36	9.35	9.3	9.01	8.58	--	--	8.99	8.93	9.08	9.19	9.25
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.2 U	--	2 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	1 U	3	5.6	10	5.3	5.6	5.3	5.2	--	6.6	--	2.9	1 U	1.8	2.1	2.1
Barium	mg/kg	140	60	250	59	45	63	99	64	--	350	130	75	130	100	89	95
Beryllium	mg/kg	1 U	1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	22.7	1.6 J	0.42 U	0.42 U	0.42 U	0.41 U	0.42 U	0.42 U	--	0.43 U	--	0.4 U	5	1.4	0.42 U	0.41 U
Chromium, total	mg/kg	1300	96	20	21	22	25	38	29	21	--	41	17	870	100	40	23
Cobalt	mg/kg	8.9	9.4	9.1	8.8	8.6	9.8	9.6	9.9	--	8.3	9.2	5.6	7.3	7.6	7.5	7.5
Copper	mg/kg	11	11	10	15	8.5	12	14	14	15	--	9.4	6.8	11	10	7.6	7.9
CR6 SPLP	mg/L	0.011 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.8	2.7	2.9	2.4	2.7	3.2	3	2.6	--	3.1	--	2.6	3.6	1.8	1.6	1.7
Mercury	mg/kg	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	4.2	1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1	2.1 U	1.3	--	1.5	1 U	1.7	1 U	1 U	1 U
Nickel	mg/kg	12	18	13	16	14	17	20	19	--	14	16	9.5	13	10	9.8	10
Selenium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	2.1 U	5.3 U	2.1 U	2.1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	4.1 U	11 U	4.2 U	4.3 U	4.1 U	4.2 U	2.3 U	--	--	2 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	37	32	34	32	31	35	37	38	--	35	35	34	36	36	31	33
Zinc	mg/kg	78	140	39	38	35	39	36	38	--	39	38	26	72	170	120	110
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	5900	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	13000	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	21000	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4
	SAMPLE	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	19	29	39	49	59	69	79	79	2	0	2	5	7	9
SAMPLE BOTTOM DEPTH (FT)		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	4900	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	200	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1700	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	190	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 UJ	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	50 U	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	34 UJ	33 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	17 UJ	17 U	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	6 U	6.1 U	6 U	6.1 U	6 U	6.2 U	6 U	6 U	--	6.5 U	5.9 U	5.8 U	5.9 U	6 U	6 U	6 U
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Chrysene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Fluorene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Naphthalene	ug/kg	4.5 U	5.3 U	4.2 U	5.3 U	5.2 U	4.8 U	5.2 U	4.5 U	4.8 U	--	--	5 U	5.1 U	4.6 U	4.8 U	4.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4
	SAMPLE	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	19	29	39	49	59	69	79	79	2	0	2	5	7	9
SAMPLE BOTTOM DEPTH (FT)		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.3 U	5.2 U	5.4 U	5.2 U	5.2 U	--	5.6 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	680 U	700 U	690 U	710 U	690 U	690 U	--	740 U	--	660 U	680 U	680 U	680 U	680 U
4-Chloroaniline	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	690 U	680 U	700 U	690 U	710 U	690 U	690 U	--	740 U	--	660 U	680 U	680 U	680 U	680 U
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
Phenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	0.89 U	1.1 U	0.96 U	0.98 U	0.9 U	1.2 U	1 U	1 U	--	0.88 U	0.96 U	--	1.1 U	0.97 U	0.99 U	0.88 U
TPH as motor oil	mg/kg	49.7	14.9	10 U	10 U	10 U	10 U	12.9	10 U	--	10 U	10 U	10 U	17.6	11.5	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,1-Dichloroethene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,1-Dichloropropene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4
	SAMPLE	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	19	29	39	49	59	69	79	79	2	0	2	5	7	9
SAMPLE BOTTOM DEPTH (FT)		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,1,1,2-Tetrachloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,1,2-Trichloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,1,2,2-Tetrachloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2-Dibromo-3-chloropropane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2-Dibromoethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2-Dichlorobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U	5.3 U	4.6 U	4.8 U	4.6 U
1,2-Dichloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2-Dichloropropane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2,3-Trichlorobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2,3-Trichloropropane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,2,4-Trichlorobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U	5.3 U	4.6 U	4.8 U	4.6 U
1,2,4-Trimethylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,3-Dichlorobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U	5.3 U	4.6 U	4.8 U	4.6 U
1,3-Dichloropropane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,3,5-Trimethylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
1,4-Dichlorobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U	5.3 U	4.6 U	4.8 U	4.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--
2-Chlorotoluene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	53 U	--	--	--
2,2-Dichloropropane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1600 U	1600 U	1600 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Acetone	ug/kg	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--	53 U	46 U	48 U	46 U
Acrolein	ug/kg	90 U	130 U	84 U	130 U	110 U	96 U	110 U	89 U	96 U	--	--	--	110 U	92 U	96 U	92 U
Acrylonitrile	ug/kg	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--	53 U	46 U	48 U	46 U
Benzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Bromobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Bromochloromethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Bromodichloromethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Bromoform	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Bromomethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Carbon disulfide	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Carbon tetrachloride	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Chloro methane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Chlorobenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Chloroethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Chloroform	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
cis-1,2-Dichloroethene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
cis-1,3-Dichloropropene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--	--	--
Dibromochloromethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Dibromomethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Dichlorodifluoromethane	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Ethyl- benzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Hexachlorobutadiene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	330 U	5.3 U	4.6 U	4.8 U	4.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	--	--	--	--
Isophorone	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--	--	--
Methyl ethyl ketone	ug/kg	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--	53 U	46 U	48 U	46 U
Methyl isobutyl ketone	ug/kg	45 U	65 U	42 U	63 U	54 U	48 U	56 U	45 U	48 U	--	--	--	53 U	46 U	48 U	46 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-3	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4	SWMU1-4
	SAMPLE	SWMU1-3-1012	SWMU1-3-1013	SWMU1-3-1014	SWMU1-3-1015	SWMU1-3-1016	SWMU1-3-1017	SWMU1-3-1018	SWMU1-3-1019	SWMU1-3-1022	SWMU1-3-1020	SWMU1-3-1010	SWMU1-4-1025	SWMU1-4-1026	SWMU1-4-1027	SWMU1-4-1028	SWMU1-4-1029
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	10/7/2008	10/7/2008	10/6/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		5	9	19	29	39	49	59	69	79	79	2	0	2	5	7	9
SAMPLE BOTTOM DEPTH (FT)		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	20	30	40	50	60	70	80	80	3	0.5	3	6	8	10
SAMPLE TYPE										Field Duplicate							
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--	--	--
Methylene chloride	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
N-Butylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
N-Propylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Nitrobenzene	ug/kg	340 U	350 U	340 U	350 U	350 U	350 U	340 U	350 U	--	370 U	340 U	330 U	340 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
sec-Butylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Styrene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
tert-Butylbenzene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Tetrachloroethene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Toluene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
trans-1,2-Dichloroethene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
trans-1,3-Dichloropropene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Trichloroethene	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Vinyl chloride	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Xylene, m,p-	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Xylene, o-	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U
Xylenes, total	ug/kg	4.5 U	6.5 U	4.2 U	6.3 U	5.4 U	4.8 U	5.6 U	4.5 U	4.8 U	--	--	--	5.3 U	4.6 U	4.8 U	4.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8
	SAMPLE	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		13	9	13	15	19	13	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE							Field Duplicate								Field Duplicate		
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.6	9.04	9.75	9.52	9.59	--	8.93	9.09	9.26	9.22	8.6	9	8.78	9.12	--	8.99
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U
Arsenic	mg/kg	2.4	2.6	--	5.4	4.3	5.8	2.4	2.1	2.6	2.4	3.3	1 U	1.2	--	2.4	2.9
Barium	mg/kg	110	71	58	63	180	--	110	95	81	79	98	97	100	--	100	86
Beryllium	mg/kg	1 U	1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.87	0.42 U	0.41 U	0.42 U	--	1.3	2.2	0.41 U	0.53	0.4 U	6.5	5.3	0.55	--	0.62
Chromium, total	mg/kg	18	47	21	21	19	--	220	270	32	33	27	630	330	--	51	120
Cobalt	mg/kg	7.4	7	8.3	8.1	8.6	--	8.8	8.1	7.7	8.3	8.7	9	8.1	--	8.2	8.2
Copper	mg/kg	7.1	8.3	--	9.1	11	8	11	12	10	8.6	13	14	20	--	9.2	9.1
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.7	2.1	--	2.8	3.1	2.9	3.3	2.6	2.6	1.7	6.6	3.6	2.8	--	1.9	4.7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	2.1 U	2.1 U	1.5	--	1.2	1.9	1 U	1 U	1 U	1.7	1 U	--	1 U	1 U
Nickel	mg/kg	11	9.9	13	13	12	--	12	13	13	13	15	15	12	--	14 J	14
Selenium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	2.1 U	2.1 U	1.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	4.2 U	4.1 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U
Vanadium	mg/kg	31	28	--	31	32	31	41	39	34	33	37	36	35	--	34	38
Zinc	mg/kg	67	100	--	34	37	44	42	46	29	88	38	130	190	--	150	36
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8
	SAMPLE	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		13	9	13	15	19	13	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE							Field Duplicate								Field Duplicate		
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	6 U	6 U	5.9 U	6.1 U	--	5.8 U	5.8 U	5.8 U	5.9 U	11	5.9 U	6 U	--	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5.3	5.1 U	5.2 U	--	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	6.4	5.1 U	5.2 U	--	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	8.5	5.1 U	5.2 U	--	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	11	5.1 U	5.2 U	--	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	6.8	5.1 U	5.2 U	--	5.1 U	5.1 U
Chrysene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	7.5	5.1 U	5.2 U	--	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	12	5.1 U	5.2 U	--	5.1 U	5.1 U
Fluorene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	8.9	5.1 U	5.2 U	--	5.1 U	5.1 U
Naphthalene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.3 U	--	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.2 U	--	4.5 U	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8
	SAMPLE	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		13	9	13	15	19	13	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE							Field Duplicate								Field Duplicate		
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	--	0	0	0	0	75.6	0	0	--	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	--	0	0	0	0	6.7	0	0	--	0	0
Phenanthrene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	6.7	5.1 U	5.2 U	--	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.3 U	--	5 U	5 U	5 U	5.1 U	9.2	5.1 U	5.2 U	--	5.1 U	5.1 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2-Chlorophenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2-Methylphenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	690 U	680 U	700 U	--	660 U	660 U	670 U	670 U	660 U	680 U	690 U	--	680 U	670 U
4-Chloroaniline	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
4-Methylphenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	690 U	690 U	680 U	700 U	--	660 U	660 U	670 U	670 U	660 U	680 U	690 U	--	680 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Butylbenzylphthalate	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Dibenzofuran	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Diethyl phthalate	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Dimethyl phthalate	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Hexachlorobenzene	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Hexachloroethane	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
Phenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	0.97 U	1.2 U	--	1 U	1.4 U	0.9 U	--	0.87 U	1 U	0.87 U	--	0.89 U	1 U	--	0.92 U	--
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	13	10 U	--	10 U	11.7
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,1-Dichloroethene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,1-Dichloropropene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8
	SAMPLE	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		13	9	13	15	19	13	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE							Field Duplicate								Field Duplicate		
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,1,1,2-Tetrachloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,1,2-Trichloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,1,2,2-Tetrachloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2-Dibromo-3-chloropropane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2-Dibromoethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2-Dichlorobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U	5.2 U	--	4.5 U	340 U
1,2-Dichloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2-Dichloropropane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2,3-Trichlorobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2,3-Trichloropropane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,2,4-Trichlorobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U	5.2 U	--	4.5 U	340 U
1,2,4-Trimethylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,3-Dichlorobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U	5.2 U	--	4.5 U	340 U
1,3-Dichloropropane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,3,5-Trimethylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
1,4-Dichlorobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U	5.2 U	--	4.5 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	1600 U	1700 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
4-Isopropyltoluene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Acetone	ug/kg	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U	52 U	--	45 U	--
Acrolein	ug/kg	95 U	99 U	95 U	94 U	110 U	--	--	110 U	110 U	100 U	--	110 U	100 U	--	89 U	--
Acrylonitrile	ug/kg	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U	52 U	--	45 U	--
Benzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Bromobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Bromochloromethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Bromodichloromethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Bromoform	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Bromomethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Carbon disulfide	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Carbon tetrachloride	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Chloro methane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Chlorobenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Chloroethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Chloroform	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
cis-1,2-Dichloroethene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
cis-1,3-Dichloropropene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Dibromomethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Dichlorodifluoromethane	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Ethyl- benzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Hexachlorobutadiene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	330 U	5.4 U	5.5 U	5.1 U	330 U	5.5 U	5.2 U	--	4.5 U	340 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
Isopropylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U	52 U	--	45 U	--
Methyl isobutyl ketone	ug/kg	47 U	50 U	47 U	47 U	55 U	--	--	54 U	55 U	51 U	--	55 U	52 U	--	45 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-4	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-5	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-6	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-7	SWMU1-8
	SAMPLE	SWMU1-4-1030	SWMU1-5-1031	SWMU1-5-1032	SWMU1-5-1034	SWMU1-5-1035	SWMU1-5-1033	SWMU1-6-1036	SWMU1-6-1037	SWMU1-6-1038	SWMU1-6-1039	SWMU1-7-1040	SWMU1-7-1041	SWMU1-7-1042	SWMU1-7-1044	SWMU1-7-1043	SWMU1-8-1045
	DATE	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008	10/15/2008
SAMPLE TOP DEPTH (FT)		13	9	13	15	19	13	0	2	5	9	0	2	5	9	9	0
SAMPLE BOTTOM DEPTH (FT)		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	10	14	16	20	14	0.5	3	6	10	0.5	3	6	10	10	0.5
SAMPLE TYPE							Field Duplicate								Field Duplicate		
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
N-Butylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
N-Propylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Nitrobenzene	ug/kg	340 U	340 U	350 U	340 U	350 U	--	330 U	330 U	330 U	330 U	330 U	340 U	340 U	--	340 U	340 U
p-Chlorotoluene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
sec-Butylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Styrene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
tert-Butylbenzene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Tetrachloroethene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Toluene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
trans-1,2-Dichloroethene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
trans-1,3-Dichloropropene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Trichloroethene	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Vinyl chloride	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Xylene, m,p-	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Xylene, o-	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--
Xylenes, total	ug/kg	4.7 U	5 U	4.7 U	4.7 U	5.5 U	--	--	5.4 U	5.5 U	5.1 U	--	5.5 U	5.2 U	--	4.5 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a
	SAMPLE	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006
	DATE	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.87	8.82	10.2	8.75	9.89	9.72	9.59	9.1	9.21	10.2	9.81	8.96	9.37	9.28	9.22	8.68
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	1.5	1 U	3.9	2.9	5.6	5.8	4.3	4.4	5.3	5.5	4.8	4.5	4.4	3.7	3.8	3.1
Barium	mg/kg	100	120	39	110	140	45	150	150	180	81	110	53	40	23	29	100
Beryllium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	2.1 U	1.1 U	2.1 U	5.2 U	2.1 U	2.1 U	1 U	1 U	1.1 U	1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1.1 U
Chromium-SPLP	mg/L	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	22.3	9.3	0.43 U	0.7	0.42 U	0.42 U	0.43 U	6.6	3.9	0.49 J	2.3	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
Chromium, total	mg/kg	970	1600	15	87	13	26	22	540	1400	50	250	25	17	15	28	27
Cobalt	mg/kg	8.2	9.2	7	8.7	4.5	8.9	9	7.1	8.8	8	9.4	8.3	7.2	7	8	7.4
Copper	mg/kg	11	22	7.1	10	5.9	8.1	11	11	18	12	11	11	8.9	7.1	8.7	11
CR6 SPLP	mg/L	0.0031 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.5	3.3	2.8	2.9	5	3.1	3.2	8.3	10	3.6	5.4	3.9	2.8	2.5	2.9	3.6
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Molybdenum	mg/kg	2.2	3.2	1.1 U	1.4	1 U	2.1 U	1.1 U	2.1 U	5.2 U	2.1 U	2.1 U	1 U	1 U	1.1 U	1 U	1.1 U
Nickel	mg/kg	14	16	11	16	8.6	15	16	15	16	15	18	13	13	11	13	13
Selenium	mg/kg	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1.1 U
Silver	mg/kg	1 U	1 U	1.1 U	1 U	1 U	2.1 U	1.1 U	2.1 U	5.2 U	2.1 U	2.1 U	1 U	1 U	1.1 U	1 U	1.1 U
Thallium	mg/kg	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	4.1 U	2.1 U	4.1 U	10 U	4.3 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	36	46	28	36	21	34	35	32	39	33	33	32	30	26	29	33
Zinc	mg/kg	160	120	32	37	26	39	38	56	360	53	83	38	34	39	58	40
Metals CLP																	
Aluminum	mg/kg	--	--	--	9400	--	--	--	--	--	--	--	11000	--	--	--	8700
Calcium	mg/kg	--	--	--	19000	--	--	--	--	--	--	--	16000	--	--	--	15000
Cyanide	mg/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
Iron	mg/kg	--	--	--	20000	--	--	--	--	--	--	--	17000	--	--	--	18000

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a
	SAMPLE	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006
	DATE	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	7600	--	--	--	--	--	--	--	7300	--	--	--	6600
Manganese	mg/kg	--	--	--	260	--	--	--	--	--	--	--	210	--	--	--	270
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2800	--	--	--	--	--	--	--	2400	--	--	--	2800
Sodium	mg/kg	--	--	--	270	--	--	--	--	--	--	--	500	--	--	--	290
Pesticides																	
4,4-DDD	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
4,4-DDE	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
4,4-DDT	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
Dieldrin	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
Endo sulfan II	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
Endrin	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
Endrin aldehyde	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
Endrin ketone	ug/kg	--	--	--	2.1 U	--	--	--	--	--	--	--	2.1 U	--	--	--	2.1 U
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	1.1 U
Methoxy chlor	ug/kg	--	--	--	5.2 U	--	--	--	--	--	--	--	5.2 U	--	--	--	5.3 U
Toxaphene	ug/kg	--	--	--	52 U	--	--	--	--	--	--	--	52 U	--	--	--	53 U
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1221	ug/kg	--	--	--	34 U	--	--	--	--	--	--	--	34 U	--	--	--	35 U
Aroclor 1232	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1242	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1248	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1254	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1260	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	17 U	--	--	--	17 U
Total PCBs	ug/kg	--	--	--	8.5 U	--	--	--	--	--	--	--	8.5 U	--	--	--	8.5 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Anthracene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	6 U	6 U	6.2 U	6 U	30 U	6 U	6.1 U	22	9.9	6.2 U	6.2	6 U	6 U	6.1 U	6 U	6.1
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	15	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	15	5.9	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	19	8	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	11	6	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	20	8.5	5.4 U	5.4	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Chrysene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	19	8.5	5.4 U	6.1	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Fluoranthene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	24	12	5.4 U	9.4	5.2 U	5.2 U	5.3 U	5.2 U	5.7
Fluorene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.2 U	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	10	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.4 U	5.2 U	6.2 U	5.2 U	4.8 U	5.2 U	5.2 U	5.4 U	16	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a
	SAMPLE	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006
	DATE	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	155	59.9	0	29.4	0	0	0	0	5.7
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	5.9	0	0	16	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	5.9	5.2 U	5.4 U	5.3 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Pyrene	ug/kg	5.2 U	5.2 U	5.4 U	5.2 U	26 U	5.2 U	5.3 U	22	11	5.4 U	8.5	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	720 U	--	--	--	--	--	--	--	730 U	--	--	--	740 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	720 U	--	--	--	--	--	--	--	730 U	--	--	--	740 U
2-Chloro naphthalene	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2-Chlorophenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2-Methylphenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	720 U	--	--	--	--	--	--	--	730 U	--	--	--	740 U
2,4-Dichlorophenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2,4-Dimethylphenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
2,6-Dinitrotoluene	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
4-Bromophenyl phenyl ether	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
4-Chloro-3-methylphenol	ug/kg	690 U	690 U	720 U	680 U	3500 U	680 U	700 U	690 U	690 U	710 U	700 U	680 U	690 U	700 U	690 U	690 U
4-Chloroaniline	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
4-Methylphenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1800 U	1700 U	8700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	720 U	--	--	--	--	--	--	--	730 UJ	--	--	--	740 U
Atrazine	ug/kg	--	--	--	720 U	--	--	--	--	--	--	--	730 U	--	--	--	740 U
Benzaldehyde	ug/kg	--	--	--	720 U	--	--	--	--	--	--	--	730 UJ	--	--	--	740 U
Benzoic acid	ug/kg	1700 U	1700 U	1800 U	1700 U	8700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	690 U	690 U	720 U	680 U	3500 U	680 U	700 U	690 U	690 U	710 U	700 U	680 U	690 U	700 U	690 U	690 U
bis (2-chloroethoxy) methane	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Butylbenzylphthalate	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Caprolactam	ug/kg	--	--	--	340 U	--	--	--	--	--	--	--	340 UJ	--	--	--	350 U
Carbazole	ug/kg	--	--	--	340 U	--	--	--	--	--	--	--	340 U	--	--	--	350 U
Di-n-butyl phthalate	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Di-n-octyl phthalate	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Dibenzofuran	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Diethyl phthalate	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Dimethyl phthalate	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Hexachlorobenzene	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Hexachloroethane	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
n-Nitroso-di-n-propylamine	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
N-nitrosodiphenylamine	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17.8
TPH as gasoline	mg/kg	1.1 U	1 U	1.1 U	--	1.2 U	1 U	0.92 U	--	1.3 U	1.2 UJ	0.93 U	--	0.79 U	1.3 U	1.1 U	--
TPH as motor oil	mg/kg	14.5	19.4	10 U	41.2 J	41.9 J	20.4 J	11.8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	86 J
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,1-Dichloroethene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,1-Dichloropropene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a
	SAMPLE	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006
	DATE	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/14/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	9	0	2	5	9	0	2	5	9	0
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
	SAMPLE TYPE																
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,1,2-Trichloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2-Dibromoethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2-Dichlorobenzene	ug/kg	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U	7.7 U	7.6 U	5.8 U	350 U
1,2-Dichloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2-Dichloropropane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2,3-Trichlorobenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2,3-Trichloropropane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,2,4-Trichlorobenzene	ug/kg	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U	7.7 U	7.6 U	5.8 U	350 U
1,2,4-Trimethylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,3-Dichlorobenzene	ug/kg	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U	7.7 U	7.6 U	5.8 U	350 U
1,3-Dichloropropane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,3,5-Trimethylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
1,4-Dichlorobenzene	ug/kg	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U	7.7 U	7.6 U	5.8 U	350 U
1,4-Dioxane	ug/kg	--	--	--	340 U	--	--	--	--	--	--	--	340 U	--	--	--	350 U
2-Chlorotoluene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
2-Hexanone	ug/kg	--	--	--	--	62 U	--	--	--	--	--	--	--	77 U	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	8400 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
4-Isopropyltoluene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Acetone	ug/kg	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--	77 U	76 U	58 U	--
Acrolein	ug/kg	100 U	150 U	120 U	--	120 U	110 U	95 U	--	110 U	140 U	93 U	--	150 U	150 U	120 U	--
Acrylonitrile	ug/kg	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--	77 U	76 U	58 U	--
Benzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
bis (2-chloroethyl) ether	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Bromobenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Bromochloromethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Bromodichloromethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Bromoform	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Bromomethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Carbon disulfide	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Carbon tetrachloride	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Chloro methane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Chlorobenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Chloroethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Chloroform	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
cis-1,2-Dichloroethene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
cis-1,3-Dichloropropene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Cyclohexane	ug/kg	--	--	--	--	6.2 U	--	--	--	--	--	--	--	7.7 U	--	--	--
Dibromochloromethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Dibromomethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Dichlorodifluoromethane	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Ethyl- benzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Hexachlorobutadiene	ug/kg	5.1 U	7.3 U	5.8 U	340 U	6.2 U	5.4 U	4.8 U	340 U	5.4 U	7 U	4.7 U	340 U	7.7 U	7.6 U	5.8 U	350 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	680 U	--	--	--	--	--	--	--	680 U	--	--	--	690 U
Isophorone	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
Isopropylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Methyl acetate	ug/kg	--	--	--	--	6.2 U	--	--	--	--	--	--	--	7.7 U	--	--	--
Methyl ethyl ketone	ug/kg	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--	77 U	76 U	58 U	--
Methyl isobutyl ketone	ug/kg	51 U	73 U	58 U	--	62 U	54 U	48 U	--	54 U	70 U	47 U	--	77 U	76 U	58 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-8	SWMU1-8	SWMU1-8	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-9	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-10	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-1h	SWMU1-WP-3a
	SAMPLE	SWMU1-8-1046	SWMU1-8-1047	SWMU1-8-1048	SWMU1-9-1049	SWMU1-9-1050	SWMU1-9-1051	SWMU1-9-1052	SWMU1-WP10-2068	SWMU1-WP10-2069	SWMU1-WP10-2070	SWMU1-WP10-2073	SWMU1-WP-1h-2001	SWMU1-WP-1h-2002	SWMU1-WP-1h-2003	SWMU1-WP-1h-2005	SWMU1-WP-3a-2006
	DATE	10/15/2008	10/15/2008	10/15/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008	10/14/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	2	5	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	0.5
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	6.2 U	--	--	--	--	--	--	--	7.7 U	--	--	--
Methylene chloride	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
N-Butylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
N-Propylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Nitrobenzene	ug/kg	350 U	340 U	360 U	340 U	1700 U	340 U	350 U	340 U	350 U	350 U	350 U	340 U	340 U	350 U	350 U	350 U
p-Chlorotoluene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
sec-Butylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Styrene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
tert-Butylbenzene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Tetrachloroethene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Toluene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
trans-1,2-Dichloroethene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
trans-1,3-Dichloropropene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Trichloroethene	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Vinyl chloride	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Xylene, m,p-	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Xylene, o-	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--
Xylenes, total	ug/kg	5.1 U	7.3 U	5.8 U	--	6.2 U	5.4 U	4.8 U	--	5.4 U	7 U	4.7 U	--	7.7 U	7.6 U	5.8 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	11	13	9	0	2	5	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.8	10	9.59	9.65	9.64	9.6	--	8.17	9.44	9.53	9.2	9.32	10.2	9.64	9.47	9.67
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2 U	2 UJ	2 U	--	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	2.3	6	6	12	5.1	5.5	--	5.1	2.4	2.8	2.4	2.3	12	6.6	6.4	6.8
Barium	mg/kg	100	68	69	120	56	40	--	40	89	92	91	100	--	100	76	50
Beryllium	mg/kg	1 U	2.1 U	2.1 U	5.1 U	1 U	1 U	--	2.1 U	1 U	1 U	1 U	1 U	--	2.1 U	2.1 U	2.1 U
Cadmium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.43 U	0.42 U	--	0.42 U	0.43 U	0.41 U	0.43 U	0.4 U	0.4 U	0.41 U	0.41 U	--	0.42 U	0.42 U	0.42 U
Chromium, total	mg/kg	20	27	23	66	30	28	--	17	17	21	19	19	58	53	43	36
Cobalt	mg/kg	8	14	9.3	--	12	10	15	7.4	7.6	8.7	8	8.9	15	12	13	11
Copper	mg/kg	9.4	15	11	--	27	31	22	6.3	8.6	7.8	11	9.2	19	18	21	26
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.3	6.2	3.4	2.8	4	3.8	--	1.8	2.1	2.4	3.9	2.4	--	4.1	4.2	3.5
Mercury	mg/kg	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1	2.1 U	2.1 U	5.1 U	1 U	1 U	--	2.1 U	1 U	1 U	1	1 U	--	2.1 U	2.1 U	2.1 U
Nickel	mg/kg	11	17	18	45	23	21	--	11	12	15	11	12	42	37	33	26
Selenium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	2.1 U	2.1 U	5.1 U	1 U	1 U	--	2.1 U	1 U	1 U	1 U	1 U	--	2.1 U	2.1 U	2.1 U
Thallium	mg/kg	2.1 U	4.2 U	4.1 U	10 U	2.1 U	2.1 U	--	4.3 U	2 U	2 U	2 U	2 U	--	4.1 U	4.2 U	4.1 U
Vanadium	mg/kg	38	37	36	--	40	39	52	25	30	31	36	33	56	44	47	43
Zinc	mg/kg	34	45	39	--	40	40	47	33	34	36	35	35	46	41	47	42
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	7900	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	14000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	23000 J	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	11	13	9	0	2	5	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	6800	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	280	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	2800 J	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	280 U	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	51 U	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	33 U	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	8.5 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	6 U	6.1 U	6 U	6 U	6 U	6.1 U	--	6.2 U	5.9 U	5.9 U	5.9 U	5.9 U	--	6 U	6 U	6 U
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Chrysene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Fluoranthene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Fluorene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Naphthalene	ug/kg	4.6 U	5.3 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U	4.8 U	5.2 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	11	13	9	0	2	5	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	0	--	0	0	0	0	0	--	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	--	0	0	0	0	0	--	0	0	0
Phenanthrene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Pyrene	ug/kg	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U	5.3 U	--	5.4 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.2 U	5.2 U	5.2 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2-Chlorophenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2-Methylphenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2,4-Dimethylphenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
2,6-Dinitrotoluene	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
4-Bromophenyl phenyl ether	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
4-Chloro-3-methylphenol	ug/kg	690 U	700 U	680 U	680 U	690 U	690 U	--	710 U	670 U	680 U	670 U	670 U	--	680 U	690 U	680 U
4-Chloroaniline	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
4-Methylphenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	710 UJ	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1800 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	690 U	700 U	680 U	680 U	690 U	690 U	--	710 U	670 U	680 U	670 U	670 U	--	680 U	690 U	680 U
bis (2-chloroethoxy) methane	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Butylbenzylphthalate	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	330 UJ	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Di-n-octyl phthalate	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Dibenzofuran	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Diethyl phthalate	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Dimethyl phthalate	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Hexachlorobenzene	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Hexachloroethane	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
N-nitrosodiphenylamine	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
Phenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 UJ	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	16.2	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	0.95 U	0.96 U	1.2 U	--	1 U	1.1 U	1.1 U	--	1.5 U	1 U	--	1.1 U	0.98 U	1.1 U	52 U	1.1 U
TPH as motor oil	mg/kg	14.9 J	18.5 J	11.6 J	13.3 J	10 U	10 U	--	10 U	10 U	10 U	168	16.2	47.4	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,1-Dichloroethene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,1-Dichloropropene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	11	13	9	0	2	5	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,1,1,2-Tetrachloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,1,2-Trichloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,1,2,2-Tetrachloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2-Dibromo-3-chloropropane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2-Dibromoethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2-Dichlorobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2-Dichloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2-Dichloropropane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2,3-Trichlorobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2,3-Trichloropropane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2,4-Trichlorobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,2,4-Trimethylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,3-Dichlorobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,3-Dichloropropane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,3,5-Trimethylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,4-Dichlorobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U	5.3 U	5 U	4.8 U	5.7 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
2-Hexanone	ug/kg	46 U	--	--	--	--	--	--	--	--	--	--	52 U	--	--	--	--
2,2-Dichloropropane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
4-Isopropyltoluene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Acetone	ug/kg	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U	53 U	50 U	48 U	57 U
Acrolein	ug/kg	91 U	110 U	120 U	110 U	110 U	100 U	--	--	140 U	100 U	--	100 U	110 U	100 U	96 U	110 U
Acrylonitrile	ug/kg	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U	53 U	50 U	48 U	57 U
Benzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
bis (2-chloroethyl) ether	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Bromobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Bromochloromethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Bromodichloromethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Bromoform	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Bromomethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Carbon disulfide	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Carbon tetrachloride	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Chloro methane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Chlorobenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Chloroethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Chloroform	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
cis-1,2-Dichloroethene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
cis-1,3-Dichloropropene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Cyclohexane	ug/kg	4.6 U	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--
Dibromochloromethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Dibromomethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Dichlorodifluoromethane	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Ethyl- benzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Hexachlorobutadiene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	350 U	6.8 U	5.2 U	330 U	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	670 U	--	--	--	--	--
Isophorone	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
Isopropylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Methyl acetate	ug/kg	4.6 U	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--
Methyl ethyl ketone	ug/kg	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U	53 U	50 U	48 U	57 U
Methyl isobutyl ketone	ug/kg	46 U	53 U	58 U	53 U	53 U	52 U	--	--	68 U	52 U	--	52 U	53 U	50 U	48 U	57 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3a	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-3h	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5a
	SAMPLE	SWMU1-WP-3a-2007	SWMU1-WP-3a-2008	SWMU1-WP-3a-2009	SWMU1-WP-3a-2010	SWMU1-WP-3a-2012	SWMU1-WP-3a-2013	SWMU1-WP-3a-2011	SWMU1-WP-3h-2014	SWMU1-WP-3h-2015	SWMU1-WP-3h-2016	SWMU1-WP-5a-2019	SWMU1-WP-5a-2020	SWMU1-WP-5a-2022	SWMU1-WP-5a-2023	SWMU1-WP-5a-2024	SWMU1-WP-5a-2025
	DATE	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/14/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008
SAMPLE TOP DEPTH (FT)		2	5	7	9	11	13	9	0	2	5	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	10	12	14	10	0.5	3	6	0.5	3	6	8	10	12
SAMPLE TYPE								Field Duplicate						Field Duplicate			
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	4.6 U	--	--	--	--	--	--	--	--	--	--	5.2 U	--	--	--	--
Methylene chloride	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
N-Butylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
N-Propylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Nitrobenzene	ug/kg	350 U	350 U	340 U	340 U	350 U	350 U	--	350 U	330 U	340 U	330 U	340 U	--	340 U	350 U	340 U
p-Chlorotoluene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
sec-Butylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Styrene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
tert-Butylbenzene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Tetrachloroethene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Toluene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
trans-1,2-Dichloroethene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
trans-1,3-Dichloropropene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Trichloroethene	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Vinyl chloride	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Xylene, m,p-	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Xylene, o-	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U
Xylenes, total	ug/kg	4.6 U	5.3 U	5.8 U	5.3 U	5.3 U	5.2 U	--	--	6.8 U	5.2 U	--	5.2 U	5.3 U	5 U	4.8 U	5.7 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h
	SAMPLE	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043
	DATE	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/6/2008	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		13	5	0	2	5	0	2	5	7	9	11	13	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
SAMPLE TYPE														Field Duplicate			Field Duplicate
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.71	--	8.46	9.71	9.55	9.1	9.28	9.52	9.86	9.57	9.54	9.54	--	9.03	9.09	9.66
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2.1 U	2.2 UJ	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	2 U	2.1 U	--
Arsenic	mg/kg	4.9	--	3.4	5.3	3.2	2.9	--	6.2	6	11	4.3	6.7	2.4	4.7	5.5	--
Barium	mg/kg	92	120	73	130	110	100	--	180	66	98	71	110	82	150	70	--
Beryllium	mg/kg	1 U	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	2.1 U	2.1 U	5.1 U	1 U	2 U	--	2 U	1 U	--
Cadmium	mg/kg	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.42 U	0.43 U	0.44 U	0.42 U	0.41 U	--	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.4 U	5	0.54	0.41 U
Chromium, total	mg/kg	27	--	14	33	23	32	19	41	35	26	51	60	--	130	23	--
Cobalt	mg/kg	11	--	12	8.7	8.5	9.3	--	12	10	11	10	14	11 J	8.8	19	8.1
Copper	mg/kg	13	--	12	12	11	10	10	19	18	14	17	15	--	15	61	--
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.5	3.9	2.7	4.9	3.3	7.2	2.3	3.2	3.5	2.4	3.1	3.6	--	5.5	6.6	--
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	--
Molybdenum	mg/kg	1 U	2.1 U	1.1 U	2.1 U	1 U	2.5	1 U	2.1 U	2.1 U	5.1 U	3.6	2 U	--	2 U	1 U	--
Nickel	mg/kg	20	--	9.5	14	14	15	12	27	24	19	22	43	--	17	15	--
Selenium	mg/kg	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	--
Silver	mg/kg	1 U	2.1 U	1.1 U	2.1 U	1 U	1 U	1 U	2.1 U	2.1 U	5.1 U	1 U	2 U	--	2 U	1 U	--
Thallium	mg/kg	2.1 U	4.1 U	2.2 U	4.3 U	2.1 U	2 U	2 U	4.1 U	4.1 U	10 U	2 U	4.1 U	--	4.1 U	2.1 U	--
Vanadium	mg/kg	40	--	23	31	33	30	34	43	40	40	38	55	--	37	36	--
Zinc	mg/kg	52	--	31	46	40	35	35	44	38	39	35	43	--	87	34	37
Metals CLP																	
Aluminum	mg/kg	--	--	8500	--	--	9600	--	--	--	--	--	--	--	11000	--	--
Calcium	mg/kg	--	--	21000	--	--	16000	--	--	--	--	--	--	--	37000	--	--
Cyanide	mg/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
Iron	mg/kg	--	--	17000	--	--	19000	--	--	--	--	--	--	--	21000	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h
	SAMPLE	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043
	DATE	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/6/2008	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		13	5	0	2	5	0	2	5	7	9	11	13	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
SAMPLE TYPE														Field Duplicate			Field Duplicate
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	6300	--	--	8600	--	--	--	--	--	--	--	10000	--	--
Manganese	mg/kg	--	--	220	--	--	270	--	--	--	--	--	--	--	280	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	2300 J	--	--	3000	--	--	--	--	--	--	--	3200	--	--
Sodium	mg/kg	--	--	310	--	--	370 U	--	--	--	--	--	--	--	690 U	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	2.2 U	--	--	2 U	--	--	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	5.4 U	--	--	5.1 U	--	--	--	--	--	--	--	5.1 U	--	--
Toxaphene	ug/kg	--	--	54 U	--	--	51 U	--	--	--	--	--	--	--	51 U	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1221	ug/kg	--	--	36 U	35 UJ	--	33 U	33 UJ	--	--	--	--	--	--	34 U	34 UJ	--
Aroclor 1232	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1242	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1248	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1254	ug/kg	--	--	25	18 UJ	--	41	17 UJ	--	--	--	--	--	--	19	17 UJ	--
Aroclor 1260	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1262	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1268	ug/kg	--	--	18 U	18 UJ	--	17 U	17 UJ	--	--	--	--	--	--	17 U	17 UJ	--
Total PCBs	ug/kg	--	--	25	9 U	--	41	8.5 U	--	--	--	--	--	--	19	8.5 U	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Acenaphthene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Anthracene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
B(a)P Equivalent	ug/kg	6 U	6 U	6.2 U	6.2 U	6 U	5.9 U	5.9 U	5.9 U	6 U	5.9 U	5.9 U	5.9 U	--	5.9 U	6 U	--
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Chrysene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Fluoranthene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Fluorene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Naphthalene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	5.1 U	4.7 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h
	SAMPLE	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043
	DATE	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/6/2008	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		13	5	0	2	5	0	2	5	7	9	11	13	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
SAMPLE TYPE														Field Duplicate			Field Duplicate
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	--
Phenanthrene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Pyrene	ug/kg	5.2 U	5.2 U	5.4 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	760 U	--	--	710 U	--	--	--	--	--	--	--	710 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	760 U	--	--	710 U	--	--	--	--	--	--	--	710 U	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2-Chlorophenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2-Methylphenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	--
2-Nitrophenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	760 U	--	--	710 U	--	--	--	--	--	--	--	710 U	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 UJ	1600 U	--	1600 U	1700 U	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	--
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
4-Chloro-3-methylphenol	ug/kg	690 U	680 U	720 U	710 U	680 U	670 U	670 U	680 U	680 U	680 U	670 U	680 U	--	670 U	680 U	--
4-Chloroaniline	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
4-Methylphenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	--
Acetophenone	ug/kg	--	--	760 U	--	--	710 U	--	--	--	--	--	--	--	710 U	--	--
Atrazine	ug/kg	--	--	760 U	--	--	710 U	--	--	--	--	--	--	--	710 U	--	--
Benzaldehyde	ug/kg	--	--	760 U	--	--	710 U	--	--	--	--	--	--	--	710 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	--
Benzyl alcohol	ug/kg	690 U	680 U	720 U	710 U	680 U	670 U	670 U	680 U	680 U	680 U	670 U	680 U	--	670 U	680 U	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Butylbenzylphthalate	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Caprolactam	ug/kg	--	--	360 U	--	--	330 U	--	--	--	--	--	--	--	340 U	--	--
Carbazole	ug/kg	--	--	360 U	--	--	330 U	--	--	--	--	--	--	--	340 U	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Dibenzofuran	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Diethyl phthalate	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Dimethyl phthalate	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Hexachlorobenzene	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Hexachloroethane	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	--
Phenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	--
TPH as gasoline	mg/kg	1.2 U	--	--	1.3 U	1.5 U	--	--	1.3 U	0.91 U	0.87 U	0.94 U	0.96 U	1 U	--	0.8 U	1 U
TPH as motor oil	mg/kg	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,1-Dichloroethene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,1-Dichloropropene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h
	SAMPLE	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043
	DATE	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/6/2008	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		13	5	0	2	5	0	2	5	7	9	11	13	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
SAMPLE TYPE														Field Duplicate			Field Duplicate
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,1,1,2-Tetrachloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,1,2-Trichloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,1,2,2-Tetrachloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2-Dibromo-3-chloropropane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2-Dibromoethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2-Dichlorobenzene	ug/kg	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	340 U	4.7 U	--
1,2-Dichloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2-Dichloropropane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2,3-Trichlorobenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2,3-Trichloropropane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,2,4-Trichlorobenzene	ug/kg	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	340 U	4.7 U	--
1,2,4-Trimethylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,3-Dichlorobenzene	ug/kg	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	340 U	4.7 U	--
1,3-Dichloropropane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,3,5-Trimethylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
1,4-Dichlorobenzene	ug/kg	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	340 U	4.7 U	--
1,4-Dioxane	ug/kg	--	--	360 U	--	--	330 U	--	--	--	--	--	--	--	340 U	--	--
2-Chlorotoluene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
2-Hexanone	ug/kg	--	--	--	58 U	--	--	--	--	--	--	--	--	48 U	--	47 U	--
2,2-Dichloropropane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
4-Isopropyltoluene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Acetone	ug/kg	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U	48 U	--	47 U	--
Acrolein	ug/kg	120 U	--	--	120 U	120 U	--	--	98 U	90 U	88 U	93 U	88 U	97 U	--	94 U	81 U
Acrylonitrile	ug/kg	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U	48 U	--	47 U	--
Benzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Bromobenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Bromochloromethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Bromodichloromethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Bromoform	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Bromomethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Carbon disulfide	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Carbon tetrachloride	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Chloro methane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Chlorobenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Chloroethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Chloroform	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
cis-1,2-Dichloroethene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
cis-1,3-Dichloropropene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Cyclohexane	ug/kg	--	--	--	5.8 U	--	--	--	--	--	--	--	--	4.8 U	--	4.7 U	--
Dibromochloromethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Dibromomethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Dichlorodifluoromethane	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Ethyl- benzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Hexachlorobutadiene	ug/kg	6.2 U	--	360 U	5.8 U	6.2 U	330 U	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	340 U	4.7 U	--
Hexachlorocyclopentadiene	ug/kg	--	--	720 U	--	--	670 U	--	--	--	--	--	--	--	670 U	--	--
Isophorone	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
Isopropylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Methyl acetate	ug/kg	--	--	--	5.8 U	--	--	--	--	--	--	--	--	4.8 U	--	4.7 U	--
Methyl ethyl ketone	ug/kg	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U	48 U	--	47 U	--
Methyl isobutyl ketone	ug/kg	62 U	--	--	58 U	62 U	--	--	49 U	45 U	44 U	47 U	44 U	48 U	--	47 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-5a	SWMU1-WP-5a	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-5h	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6a	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-6h
	SAMPLE	SWMU1-WP-5a-2026	SWMU1-WP-5a-2021	SWMU1-WP-5h-2027	SWMU1-WP-5h-2028	SWMU1-WP-5h-2029	SWMU1-WP-6a-2032	SWMU1-WP-6a-2033	SWMU1-WP-6a-2035	SWMU1-WP-6a-2036	SWMU1-WP-6a-2037	SWMU1-WP-6a-2038	SWMU1-WP-6a-2039	SWMU1-WP-6a-2034	SWMU1-WP-6h-2040	SWMU1-WP-6h-2041	SWMU1-WP-6h-2043
	DATE	10/5/2008	10/5/2008	10/7/2008	10/7/2008	10/7/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/6/2008	10/6/2008	10/6/2008
SAMPLE TOP DEPTH (FT)		13	5	0	2	5	0	2	5	7	9	11	13	2	0	2	5
SAMPLE BOTTOM DEPTH (FT)		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	6	0.5	3	5	0.5	3	6	8	10	12	14	3	0.5	3	6
SAMPLE TYPE														Field Duplicate			Field Duplicate
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	5.8 U	--	--	--	--	--	--	--	--	4.8 U	--	4.7 U	--
Methylene chloride	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
N-Butylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
N-Propylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Nitrobenzene	ug/kg	340 U	340 U	360 U	350 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	--	340 U	340 U	--
p-Chlorotoluene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
sec-Butylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Styrene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
tert-Butylbenzene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Tetrachloroethene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Toluene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
trans-1,2-Dichloroethene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
trans-1,3-Dichloropropene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Trichloroethene	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Vinyl chloride	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Xylene, m,p-	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Xylene, o-	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--
Xylenes, total	ug/kg	6.2 U	--	--	5.8 U	6.2 U	--	--	4.9 U	4.5 U	4.4 U	4.7 U	4.4 U	4.8 U	--	4.7 U	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	5	0	2	5	9	0	2	5	9	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.63	--	9.36	9.39	9.42	9.87	8.98	9.5	9.1	8.96	9.02	9.58	9.63	9.57	9.72	9.77
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 UJ	2 U	2 U	2 U	2.1 U	2 U	2.1 U
Arsenic	mg/kg	4.1	2.7	5.3 U	6	3	3	5.4	5.1	2.7	2.9	2.4	2.7	4.2	4.8	4.7	7.1
Barium	mg/kg	100	100	160	190	110	82	150	160	130	120	100	--	75	58	77	88
Beryllium	mg/kg	1.1 U	1 U	5.3 U	2.2 U	1 U	1 U	2 U	2.1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	5.2 U
Cadmium	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	--	0.57	18.2	6.2	0.42 U	0.4 U	0.54	0.41 U	0.41 U	0.41 U	0.41 U	0.42 U	0.42 U	0.41 U	0.42 U
Chromium, total	mg/kg	41	19	2600	1200	21	23	35	26	19	22	26	34 J	39	28	37	68
Cobalt	mg/kg	9.4	--	7.2	7.4	8	7.2	7.5	7.9	8.3	7.9	7.6	9.5 J	13	10	12	16
Copper	mg/kg	23	10	11	16	11	15	13	10	10	9.8	8.2	15	15	14	15	23
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.5	2.4	13	5.7	2.7	2.7	6.9	4.1	2.7	2.6	2.9	--	3.2	3.5	3.3	4
Mercury	mg/kg	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Molybdenum	mg/kg	1.1 U	1 U	7.1	3.4	1 U	1 U	2 U	2.1 U	1 U	1 U	2.1	1.2	2 U	2.1 U	2 U	5.2 U
Nickel	mg/kg	27	12	15	17	12	15	16	17	13	12	12	20 J	26	20	28	51
Selenium	mg/kg	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	2.5	1.3	1 U	1 U	1 U
Silver	mg/kg	1.1 U	1 U	5.3 U	2.2 U	1 U	1 U	2 U	2.1 U	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U	5.2 U
Thallium	mg/kg	2.1 U	2 U	11 U	4.4 U	2.1 U	2.1 U	4.1 U	4.2 U	2 U	2 U	2 U	2 U	4.1 U	4.1 U	4.1 U	10 U
Vanadium	mg/kg	36	34	35	35	31	30	31	32	34	38	30	35	49	39	43	56
Zinc	mg/kg	39	--	88	56	34	31	47	32	38	38	33	34	43	45	43	56
Metals CLP																	
Aluminum	mg/kg	--	--	9700	--	--	--	8400	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	70000	--	--	--	24000	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	25000	--	--	--	17000	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	5	0	2	5	9	0	2	5	9	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	12000	--	--	--	6800	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	250	--	--	--	230	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	2600	--	--	--	2400	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	1000 U	--	--	--	320 U	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2.1 U	--	--	--	2.1 U	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5.4 U	--	--	--	5.1 U	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	54 U	--	--	--	51 U	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	35 U	37 UJ	--	--	34 U	34 UJ	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	200	18 UJ	--	--	41	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	18 U	18 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	200	9 U	--	--	41	8.5 U	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
2-Methyl naphthalene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Acenaphthene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Acenaphthylene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Anthracene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
B(a)P Equivalent	ug/kg	6.1 U	5.9 U	19	6.4 U	5.9 U	6 U	14	6.1 U	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	6 U	5.9 U	6.1 U
Benzo (a) anthracene	ug/kg	5.3 U	5.1 U	17	5.5 U	5.1 U	5.2 U	6.4	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Benzo (a) pyrene	ug/kg	5.3 U	5.1 U	12	5.5 U	5.1 U	5.2 U	8.9	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5.3 U	5.1 U	17	5.5 U	5.1 U	5.2 U	9.2	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Benzo (ghi) perylene	ug/kg	5.3 U	5.1 U	10	5.5 U	5.1 U	5.2 U	9	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.1 U	17	5.5 U	5.1 U	5.2 U	10	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Chrysene	ug/kg	5.3 U	5.1 U	22	5.5 U	5.1 U	5.2 U	10	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Fluoranthene	ug/kg	5.3 U	5.1 U	440	5.5 U	5.1 U	5.2 U	16	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Fluorene	ug/kg	5.3 U	5.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.1 U	9.2	5.5 U	5.1 U	5.2 U	7.7	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Naphthalene	ug/kg	5.3 U	4.1 U	5.4 U	5.5 U	5.1 U	5.2 U	5.1 U	3.8 U	4.2 U	5.1 U	5.1 U	--	4.6 U	5.2 U	5.1 U	5.3 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	5	0	2	5	9	0	2	5	9	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	0	904	0	0	0	93.2	0	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5.3 U	5.1 U	12	5.5 U	5.1 U	5.2 U	5.1 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Pyrene	ug/kg	5.3 U	5.1 U	360	5.5 U	5.1 U	5.2 U	16	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.3 U
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	750 U	--	--	--	720 U	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	750 U	--	--	--	720 U	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2-Chlorophenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2-Methylphenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
2-Nitrophenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	750 U	--	--	--	720 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2,4-Dimethylphenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
2,4-Dinitrotoluene	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
2,6-Dinitrotoluene	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
3,3-Dichlorobenzidene	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
4-Bromophenyl phenyl ether	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
4-Chloro-3-methylphenol	ug/kg	700 U	670 U	710 U	730 U	680 U	680 U	680 U	700 U	670 U	680 U	670 U	670 U	680 U	680 U	680 U	690 U
4-Chloroaniline	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
4-Chlorophenyl phenyl ether	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
4-Methylphenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1800 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	750 U	--	--	--	720 U	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	750 U	--	--	--	720 U	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	750 U	--	--	--	720 U	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1800 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	700 U	670 U	710 U	730 U	680 U	680 U	680 U	700 U	670 U	680 U	670 U	670 U	680 U	680 U	680 U	690 U
bis (2-chloroethoxy) methane	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Butylbenzylphthalate	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Caprolactam	ug/kg	--	--	350 U	--	--	--	340 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	350 U	--	--	--	340 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Di-n-octyl phthalate	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Dibenzofuran	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Diethyl phthalate	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Dimethyl phthalate	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Hexachlorobenzene	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Hexachloroethane	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
n-Nitroso-di-n-propylamine	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
N-nitrosodiphenylamine	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
Phenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	0.91 U	--	--	1.8 U	0.99 U	1.3 U	--	0.82 U	0.93 U	1.5 U	--	0.98 U	1.2 U	1.2 U	0.94 U	1.2 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17.4 J	10 U	10 U	10 U
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,1-Dichloroethene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,1-Dichloropropene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	5	0	2	5	9	0	2	5	9	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,1,1,2-Tetrachloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,1,2-Trichloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,1,2,2-Tetrachloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2-Dibromo-3-chloropropane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2-Dibromoethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2-Dichlorobenzene	ug/kg	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2-Dichloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2-Dichloropropane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2,3-Trichlorobenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2,3-Trichloropropane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2,4-Trichlorobenzene	ug/kg	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--	4.6 U	5.5 U	6.8 U	6.6 U
1,2,4-Trimethylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,3-Dichlorobenzene	ug/kg	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--	4.6 U	5.5 U	6.8 U	6.6 U
1,3-Dichloropropane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,3,5-Trimethylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
1,4-Dichlorobenzene	ug/kg	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--	4.6 U	5.5 U	6.8 U	6.6 U
1,4-Dioxane	ug/kg	--	--	350 U	--	--	--	340 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
2-Hexanone	ug/kg	--	--	--	79 U	--	--	--	38 U	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
2,4,5-Trichlorophenol	ug/kg	1700 U	1600 U	1700 U	1800 U	1600 U	1700 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1700 U
2,4,6-Trichlorophenol	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
4-Isopropyltoluene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Acetone	ug/kg	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	52 UJ	--	--	--	66 U
Acrolein	ug/kg	150 U	--	--	160 U	110 U	130 U	--	76 U	84 U	160 U	--	100 U	91 U	110 U	140 U	130 U
Acrylonitrile	ug/kg	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	--	46 U	55 U	68 U	66 U
Benzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
bis (2-chloroethyl) ether	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Bromobenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Bromochloromethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Bromodichloromethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Bromoform	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Bromomethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Carbon disulfide	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Carbon tetrachloride	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Chloro methane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Chlorobenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Chloroethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Chloroform	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
cis-1,2-Dichloroethene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
cis-1,3-Dichloropropene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Cyclohexane	ug/kg	--	--	--	7.9 U	--	--	--	3.8 U	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Dibromomethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Dichlorodifluoromethane	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Ethyl- benzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Hexachlorobutadiene	ug/kg	7.6 U	4.1 U	350 U	7.9 U	5.7 U	6.7 U	340 U	3.8 U	4.2 U	7.9 U	330 U	--	4.6 U	5.5 U	6.8 U	6.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	710 U	--	--	--	680 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
Isopropylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Methyl acetate	ug/kg	--	--	--	7.9 U	--	--	--	3.8 U	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	--	46 U	55 U	68 U	66 U
Methyl isobutyl ketone	ug/kg	76 U	41 U	--	79 U	57 U	67 U	--	38 U	42 U	79 U	--	--	46 U	55 U	68 U	66 U
Methyl tert-butyl ether (MTBE)	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-6h	SWMU1-WP-6h	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-7	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-8	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-9
	SAMPLE	SWMU1-WP-6h-2045	SWMU1-WP-6h-2042	SWMU1-WP7-2046	SWMU1-WP7-2047	SWMU1-WP7-2048	SWMU1-WP7-2050	SWMU1-WP8-2053	SWMU1-WP8-2054	SWMU1-WP8-2055	SWMU1-WP8-2057	SWMU1-WP9-2060	SWMU1-WP9-2061	SWMU1-WP9-2063	SWMU1-WP9-2064	SWMU1-WP9-2065	SWMU1-WP9-2066
	DATE	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	10/6/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008
SAMPLE TOP DEPTH (FT)		9	5	0	2	5	9	0	2	5	9	0	2	5	7	9	11
SAMPLE BOTTOM DEPTH (FT)		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	6	0.5	3	6	10	0.5	3	6	10	0.5	3	6	8	10	12
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	7.9 U	--	--	--	3.8 U	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
N-Butylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
N-Propylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Nitrobenzene	ug/kg	350 U	330 U	350 U	370 U	340 U	340 U	340 U	350 U	340 U	340 U	330 U	340 U	340 U	340 U	340 U	350 U
p-Chlorotoluene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
sec-Butylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Styrene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
tert-Butylbenzene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Tetrachloroethene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Toluene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
trans-1,2-Dichloroethene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
trans-1,3-Dichloropropene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Trichloroethene	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Vinyl chloride	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Xylene, m,p-	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Xylene, o-	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U
Xylenes, total	ug/kg	7.6 U	4.1 U	--	7.9 U	5.7 U	6.7 U	--	3.8 U	4.2 U	7.9 U	--	--	4.6 U	5.5 U	6.8 U	6.6 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B	TCS-4	TCS-4	TCS4-E	TCS4-E
	SAMPLE	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2079	SWMU1-WP-T3a-2084	T-3-B	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06
	DATE	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998	3/25/2014	3/25/2014	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		13	2	0	2	5	7	9	11	13	5	9	0	59	113	4	5
SAMPLE BOTTOM DEPTH (FT)		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
SAMPLE TYPE			Field Duplicate								Field Duplicate	Field Duplicate				Field Duplicate	
ANALYTE	**UNITS**																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	4200	1000	19000 J	150
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	740	200	2.5 U	0.24 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	8.1 J	4.5 U	--	0.3 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	21 U	5.7 U	250	1.2 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	53	20	430 J	1.1 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	79	26	680	3.2 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	19 U	5.3 U	--	3.3 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	2.3 J	1.2 U	--	0.13 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	0.87 U	--	0.22 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	16	10 J	--	1.1 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	25 U	6.7 U	--	0.41 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1400 U	490 U	8600 U	38 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.6 U	18	4.6 U	0.23 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.09 U	0.45 U	--	0.23 J
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.15 U	0.3 U	--	0.065 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	46000	11000	220000 J	1000
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	3800	920	--	35
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	96	50	--	3
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	150	51	870	4.6
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	150	51	870	4.6
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.67	--	9.16	9.19	10	9.75	9.79	9.67	9.82	--	--	8.67	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	2.1 U	--	2 UJ	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	--	--	--	2 UJ	2 U	--	2.1 U
Arsenic	mg/kg	5.3	--	2.6	2	--	6.1	5.1	7.1	11	4.2	--	--	2.1	20	--	1 U
Barium	mg/kg	91	1900 J	110	92	82	86	140	92	100	--	--	--	80	51	--	58
Beryllium	mg/kg	2.1 U	--	1 U	1 U	1.1 U	2.1 U	2 U	2.1 U	5.3 U	--	--	--	1 U	1 U	--	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	1 UJ	1 U	--	1 U
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	--	0.41 U	0.41 U	0.43 U	0.43 U	0.41 U	0.42 U	0.42 U	--	--	3.1	2.2	0.4 U	50 J	0.99
Chromium, total	mg/kg	60	--	25	18	26	38	71	50	62	--	--	619	61 J	1700	3400	13
Cobalt	mg/kg	15	--	10	9.2	11	12	13	15	14	--	--	--	6.3	31	--	8
Copper	mg/kg	22	--	11	12	16	19	20	17	30	--	--	19.6	18 J	580	--	8
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.9	2.7	2.8	2.9	--	4.4	3.4	4.5	3.8	3.7	--	--	32 J	17	--	1 U
Mercury	mg/kg	0.11 U	--	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	--	--	--	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	2.1 U	--	1 U	1 U	--	2.1 U	6.4	2.1 U	5.3 U	1.1	--	--	1 U	35	--	1 U
Nickel	mg/kg	46	--	12	11	19	28	29	38	45	--	--	7.9	16 J	300	7.1 J	7.6
Selenium	mg/kg	1 U	--	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	--	--	--	1.6	42	--	1 U
Silver	mg/kg	2.1 U	--	1 U	1 U	1.1 U	2.1 U	2 U	2.1 U	5.3 U	--	--	--	1 UJ	1 U	--	1 U
Thallium	mg/kg	4.2 U	--	2 U	2 U	2.1 U	4.3 U	4.1 U	4.2 U	11 U	--	--	--	2 UJ	2 U	--	2.1 U
Vanadium	mg/kg	56	--	38	32	38	43	44	54	53	--	--	--	29	5.7	--	32
Zinc	mg/kg	52	--	39	35	40	44	42	42	51	--	--	673	30	55	--	31
Metals CLP																	
Aluminum	mg/kg	--	--	8400	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	17000	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	24000 J	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B	TCS-4	TCS-4	TCS4-E	TCS4-E
	SAMPLE	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2079	SWMU1-WP-T3a-2084	T-3-B	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06
	DATE	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998	3/25/2014	3/25/2014	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		13	2	0	2	5	7	9	11	13	5	9	0	59	113	4	5
SAMPLE BOTTOM DEPTH (FT)		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
SAMPLE TYPE			Field Duplicate								Field Duplicate	Field Duplicate				Field Duplicate	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	8000 J	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	280	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	2900 J	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	51 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Aroclor 1221	ug/kg	--	--	34 U	--	--	--	--	--	--	--	--	--	33 U	33 U	--	34 U
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	8.5 U	--	--	--	--	--	--	--	--	--	17 U	17 U	--	17 U
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
Acenaphthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
Acenaphthylene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
Anthracene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
B(a)P Equivalent	ug/kg	6 U	--	5.9 U	5.9 U	6.2 U	6.1 U	--	6 U	6.1 U	--	0 U	--	5.8 U	17	--	17
Benzo (a) anthracene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	11	--	27 J
Benzo (a) pyrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	11	--	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	15	--	82 J
Benzo (ghi) perylene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	7.1	--	8.2 J
Benzo (k) fluoranthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1	--	39 J
Chrysene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	12	--	65 J
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
Fluoranthene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	19	--	80 J
Fluorene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	5.1 U	--	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	6.1	--	5.1 U
Naphthalene	ug/kg	5.2 U	5 U	5.1 U	5.1 U	--	5.3 U	--	5.2 U	5.3 U	4.9 U	5 U	--	5 UJ	5.1 UJ	--	5.1 U

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B	TCS-4	TCS-4	TCS4-E	TCS4-E
	SAMPLE	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2079	SWMU1-WP-T3a-2084	T-3-B	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06
	DATE	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998	3/25/2014	3/25/2014	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		13	2	0	2	5	7	9	11	13	5	9	0	59	113	4	5
SAMPLE BOTTOM DEPTH (FT)		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
SAMPLE TYPE			Field Duplicate								Field Duplicate	Field Duplicate				Field Duplicate	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	0	--	0	0	0	0	0	0	0	--	--	--	0	100	--	374
PAH Low molecular weight	ug/kg	0	--	0	0	0	0	0	0	0	--	--	--	0	8.4	--	35
Phenanthrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	8.4	--	35 J
Pyrene	ug/kg	5.2 U	--	5.1 U	5.1 U	5.4 U	5.3 U	5.1 U	5.2 U	5.3 U	--	--	--	5 U	14	--	73 J
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
2-Chlorophenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
2-Methylphenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
2-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	1700 UJ	1700 UJ	--	--
2-Nitrophenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	1700 UJ	1700 UJ	--	--
2,4-Dimethylphenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
2,4-Dinitrophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	1700 UJ	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
2,6-Dinitrotoluene	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
3-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	1700 UJ	1700 UJ	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	660 UJ	670 UJ	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
4-Chloro-3-methylphenol	ug/kg	690 U	--	670 U	680 U	710 U	700 U	670 U	690 U	710 U	--	--	--	660 UJ	670 UJ	--	--
4-Chloroaniline	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	660 UJ	670 UJ	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
4-Methylphenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
4-Nitroaniline	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	1700 UJ	1700 UJ	--	--
4-Nitrophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	1700 UJ	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1800 U	--	--	--	1700 UJ	--	--	--
Acetophenone	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1800 U	--	--	--	1700 UJ	--	--	--
Benzyl alcohol	ug/kg	690 U	--	670 U	680 U	710 U	700 U	670 U	690 U	710 U	--	--	--	660 UJ	670 UJ	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Butylbenzylphthalate	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Caprolactam	ug/kg	--	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Di-n-octyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Dibenzofuran	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Diethyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Dimethyl phthalate	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Hexachlorobenzene	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Hexachloroethane	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
N-nitrosodiphenylamine	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Pentachlorophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	1700 UJ	--	--	--
Phenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.4 U	--	--	1.3 U	1.2 U	1.3 U	--	0.95 U	0.98 U	--	1.1 U	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B	TCS-4	TCS-4	TCS4-E	TCS4-E
	SAMPLE	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2079	SWMU1-WP-T3a-2084	T-3-B	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06
	DATE	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998	3/25/2014	3/25/2014	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		13	2	0	2	5	7	9	11	13	5	9	0	59	113	4	5
SAMPLE BOTTOM DEPTH (FT)		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
SAMPLE TYPE			Field Duplicate								Field Duplicate	Field Duplicate				Field Duplicate	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	330 UJ	330 UJ	--	--
1,2-Dichloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	330 UJ	330 UJ	--	--
1,2,4-Trimethylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	330 UJ	330 UJ	--	--
1,3-Dichloropropane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	330 UJ	330 UJ	--	--
1,4-Dioxane	ug/kg	--	--	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	53 U	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	--	1600 U	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	--	--	--	330 UJ	330 UJ	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
4-Isopropyltoluene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Acetone	ug/kg	58 U	--	--	53 U	--	59 U	53 U	60 U	62 U	49 U	--	--	--	--	--	--
Acrolein	ug/kg	120 U	--	--	110 U	--	120 U	--	120 U	120 U	98 U	100 U	--	--	--	--	--
Acrylonitrile	ug/kg	58 U	50 U	--	53 U	--	59 U	--	60 U	62 U	49 U	50 U	--	--	--	--	--
Benzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Bromobenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Bromochloromethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Bromodichloromethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Bromoform	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Bromomethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Carbon disulfide	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Chloro methane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Chlorobenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Chloroethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Chloroform	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Dibromomethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Ethyl- benzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.8 U	5 U	340 U	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	660 UJ	670 UJ	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	670 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
Isopropylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	58 U	50 U	--	53 U	--	59 U	--	60 U	62 U	49 U	50 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	58 U	50 U	--	53 U	--	59 U	--	60 U	62 U	49 U	50 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	SWMU1-WP-9	SWMU1-WP-9	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	SWMU1-WP-T3a	T-3-B	TCS-4	TCS-4	TCS4-E	TCS4-E
	SAMPLE	SWMU1-WP9-2067	SWMU1-WP9-2062	SWMU1-WP-T3a-2076	SWMU1-WP-T3a-2077	SWMU1-WP-T3a-2078	SWMU1-WP-T3a-2080	SWMU1-WP-T3a-2081	SWMU1-WP-T3a-2082	SWMU1-WP-T3a-2083	SWMU1-WP-T3a-2079	SWMU1-WP-T3a-2084	T-3-B	TCS-4-01	TCS-4-02	TCS4-E-05D	TCS4-E-06
	DATE	9/21/2008	9/21/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	10/5/2008	11/13/1998	3/25/2014	3/25/2014	3/1/2016	3/1/2016
SAMPLE TOP DEPTH (FT)		13	2	0	2	5	7	9	11	13	5	9	0	59	113	4	5
SAMPLE BOTTOM DEPTH (FT)		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		14	3	0.5	3	6	8	10	12	14	6	10	0	60	113	5	6
SAMPLE TYPE			Field Duplicate								Field Duplicate	Field Duplicate				Field Duplicate	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	5.3 U	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
N-Butylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
N-Propylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	--	340 U	340 U	350 U	350 U	330 U	340 U	350 U	--	--	--	330 UJ	330 UJ	--	--
p-Chlorotoluene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Styrene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Tetrachloroethene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Toluene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Trichloroethene	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Vinyl chloride	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Xylene, m,p-	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Xylene, o-	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--
Xylenes, total	ug/kg	5.8 U	5 U	--	5.3 U	--	5.9 U	--	6 U	6.2 U	4.9 U	5 U	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	WP-1	WP-2	WP-3	WP-3	WP-4	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6
	SAMPLE	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A
	DATE	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		4	4	5	4	5	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE BOTTOM DEPTH (FT)		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Anion																	
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																	
1,2,3,4,6,7,8-HpCDD	ng/kg	--	2600	4200	3300	940	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	0.45 U	750 U	0.47 U	130	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	54 J	9.5 J	9.6 J	18	1.8 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	20	12 U	41	0.32 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	36	96	77	21	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	70	140	120	23	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	770 U	90 U	180 U	160 U	37 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	26	3.1 J	3.6 J	9 J	0.8 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	1.1 U	0.81 U	0.58 U	0.88 U	1.2 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	110	15	23	36	4.3 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	16 U	5.6 U	14 U	2.8 U	0.38 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	1100 U	2300 U	1800 U	530 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.86 U	2.9 U	1.5 U	1.3 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	3.2 J	0.32 U	0.34 J	0.37 U	0.23 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	1.9 J	0.46 J	0.49 U	0.48 J	0.066 U	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	26000	48000	39000	10000	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	19000	1800	4300	3300	1100	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	600	74	150	130	34	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	110	210	180	47	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	110	210	180	47	--	--	--	--	--	--	--	--	--	--	--
General																	
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	9.08	9.03	9.12	8.6	8.99	9.01	9.15	8.56	9.09	9.1	8.52
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Antimony	mg/kg	8.3 J	8.6	6.9	2.1 U	5	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	19 J	14	3.8	1.9	2.7	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	140	100	130	74	100	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	33	39	30	21	47.5	0.5 U	11.8	0.41	1.1	3.5	6.7	9	6.1	10.2	1.6
Chromium, total	mg/kg	--	3400	3300	840	2200	2090	25.9	1290	273	120	511	711	421	158	113	712
Cobalt	mg/kg	6.5	6.9	7.5	7.4	7.3	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	16 J	8.7	14	9	11	3.9	22.8	13.2	18.6	10.8	16.8	15.4	15.8	10.1	24.4	21.6
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	6.2	6.9	6.2	4.5	3.1	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	9.6 J	4.9	15	1.1 U	3.4	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	13	12	9.5	9	3.6	9.9	5.6	18.3	4	13.2	10.2	12.9	4.5	20.6	12.4
Selenium	mg/kg	1 UJ	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1 U	1.1 U	1.1 U	1.1 U	1.1 U	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2.1 UJ	2.1 U	2.2 U	2.1 U	2.2 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	67 J	70	33	33	30	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	190 J	82	130	120	150	44.5	80.1	50.3	50	65.6	50.4	61.5	51.9	22.9	41.9	57.9
Metals CLP																	
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	WP-1	WP-2	WP-3	WP-3	WP-4	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6
	SAMPLE	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A
	DATE	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		4	4	5	4	5	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE BOTTOM DEPTH (FT)		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE TYPE																	
ANALYTE	**UNITS**																
Iron (+2)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese Extractable	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																	
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																	
Aroclor 1016	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	35 U	35 U	35 U	35 U	36 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	18 U	17 U	18 U	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																	
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	6.1	9.4	6.2 U	6.1 U	6.2 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	5.3	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.2 U	9.2	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	73 J	7.7	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	WP-1	WP-2	WP-3	WP-3	WP-4	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6
	SAMPLE	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A
	DATE	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		4	4	5	4	5	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE BOTTOM DEPTH (FT)		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE TYPE																	
ANALYTE	**UNITS**																
PAH High molecular weight	ug/kg	73	22.2	0	0	0	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	0	0	0	0	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.2 U	5.3 U	5.4 U	5.3 U	5.4 U	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																	
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																	
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	WP-1	WP-2	WP-3	WP-3	WP-4	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6
	SAMPLE	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A
	DATE	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		4	4	5	4	5	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE BOTTOM DEPTH (FT)		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE TYPE																	
ANALYTE	UNITS																
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	TCS4-E	TCS4-N	TCS4-N	TCS4-S	TCS4-S	WP-1	WP-2	WP-3	WP-3	WP-4	WP-5	WP-5	WP-5	WP-5	WP-5	WP-6
	SAMPLE	TCS4-E-05	TCS4-N-05	TCS4-N-06	TCS4-S-05	TCS4-S-06	WP-1	WP-2A	WP-3-.5A	WP-3-2A	WP-4A	WP-5-0A	WP-5-1A	WP-5-2A	WP-5-3A	WP-5-4A	WP-6-0A
	DATE	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	6/30/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997	9/18/1997
SAMPLE TOP DEPTH (FT)		4	4	5	4	5	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE BOTTOM DEPTH (FT)		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		5	5	6	5	6	0	0	0.5	2	0	0	1	2	3	4	0
SAMPLE TYPE																	
ANALYTE	UNITS																
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	2	0	0	10	30	50	70	3
SAMPLE TYPE										
ANALYTE	UNITS									
Anion										
Nitrate	mg/kg	--	--	8	54	--	--	--	--	--
Dioxins										
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--
General										
Chloride	mg/kg	--	--	46	227	--	--	--	--	--
Orthophosphate	mg/kg	--	--	--	--	359	363	305	238	--
pH	PHUNITS	8.95	8.56	8.25	8.93	9.27	8.53	8.42	8.56	8.47
Phosphate	mg/kg	--	--	161	358	--	--	--	--	--
Solids	PERC	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	448	1010	21	33	21	17	--
Sulfide	mg/kg	--	--	--	--	0.4 U	0.4 U	0.4 U	0.4 U	--
Metals										
Antimony	mg/kg	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	257	88.1	57.4	1580	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/L	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	9.5	2.3	5.5	14	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Chromium, total	mg/kg	1030	401	261	909	45.7	35.6	36.3	6.7	18.4
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--
Copper	mg/kg	18.2	11.9	10.3	27.2	19.7	17.2	15.6	170	12
CR6 SPLP	mg/L	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	5.7	7.2	4.5	6.1	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	0.075 J	0.11 J	0.2 U	1.8	--
Nickel	mg/kg	5.8	10.5	3.8	7.9	35.2	32.1	28.5	7.4	9
Selenium	mg/kg	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	44.5	42.9	37.7	19.7	--
Zinc	mg/kg	46.5	210	23.4	61.8	44.2	50.3	54.2	54.6	25.8
Metals CLP										
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	280000	173000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	4760	11300	22600	22200	19700	22000	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	2	0	0	10	30	50	70	3
SAMPLE TYPE										
ANALYTE	**UNITS**									
Iron (+2)	mg/kg	--	--	--	--	100 U	100 U	100 U	100 U	--
Magnesium	mg/kg	--	--	12000	14300	--	--	--	--	--
Manganese	mg/kg	--	--	67.4	139	345	344	280	203	--
Manganese Extractable	mg/kg	--	--	--	--	51.3	45.7	29.5	76.4	--
Potassium	mg/kg	--	--	1040	1680	--	--	--	--	--
Sodium	mg/kg	--	--	1800	1650	--	--	--	--	--
Pesticides										
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls										
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	2	0	0	10	30	50	70	3
SAMPLE TYPE										
ANALYTE	UNITS									
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds										
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons										
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds										
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	2	0	0	10	30	50	70	3
SAMPLE TYPE										
ANALYTE	UNITS									
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--

Table BCW+AOC4-A1
Dataset for AOC 1 and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessr
PG&E Topock Compressor Station
Needles, California

	LOCATION	WP-6	WP-6	WP-Bank1	WP-Bank2	XMW-9	XMW-9	XMW-9	XMW-9	XMW-9
	SAMPLE	WP-6-1A	WP-6-2A	WP-Bank1	WP-Bank2	XMW-9-10	XMW-9-30	XMW-9-50	XMW-9-70	XMW-9-3
	DATE	9/18/1997	9/18/1997	11/23/1998	11/23/1998	6/25/1997	6/25/1997	6/25/1997	6/25/1997	6/25/1997
SAMPLE TOP DEPTH (FT)		1	2	0	0	10	30	50	70	3
SAMPLE BOTTOM DEPTH (FT)		1	2	0	0	10	30	50	70	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	2	0	0	10	30	50	70	3
SAMPLE TYPE										
ANALYTE	UNITS									
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--

Abbreviations:
-- = not applicable
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
J = estimated value
U = not detected at specified reporting limit
UJ = not detected at specified reporting limit; reporting limit
AOC = area of concern
BHC = benzene hexachloride
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
TPH = total petroleum hydrocarbon
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyls

ATTACHMENT B

Dose and Risk Calculations for Ecological Receptors at BCW and AOC4 Using Depth-Weighted EPCs

Attachment BCW+AOC4-B
Dose and Risk Calculations for Ecological Receptors at BCW+AOC4 Using Depth-Weighted EPCs

Table BCW+AOC4-B.1	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC4
Table BCW+AOC4-B.2	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for BCW and AOC4
Table BCW+AOC4-B.3	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for BCW and AOC4
Table BCW+AOC4-B.4	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for BCW and AOC4
Table BCW+AOC4-C Table Notes	Notes for Terrestrial Wildlife Risk Calculations

Table BCW+AOC4-B.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Antimony	Red-Tailed Hawk	1.5E+00	100% Mammals	1.4E-02	7.5E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Barium	Red-Tailed Hawk	2.3E+02	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	2.3E+00	100% Mammals	1.4E-02	4.3E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	1.7E+02	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Cobalt	Red-Tailed Hawk	8.8E+00	100% Mammals	1.4E-02	2.0E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	1.3E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	1.4E+01	100% Mammals	1.4E-02	3.4E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	6.9E-02	100% Mammals	1.4E-02	1.3E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Nickel	Red-Tailed Hawk	2.2E+01	100% Mammals	1.4E-02	3.3E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	2.4E+00 m	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Vanadium	Red-Tailed Hawk	3.9E+01	100% Mammals	1.4E-02	4.7E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	6.2E+01	100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds									
Methyl acetate	Red-Tailed Hawk	ND nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	2.0E+00 m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Red-Tailed Hawk	9.2E-02	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	1.2E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	7.4E-01	100% Mammals	1.4E-02	6.8E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Red-Tailed Hawk	5.1E+01	100% Mammals	1.4E-02	4.3E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	8.3E+01	100% Mammals	1.4E-02	7.3E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Antimony	Desert Kit Fox	1.5E+00	100% Mammals	2.8E-02	7.5E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Barium	Desert Kit Fox	2.3E+02	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	3.7E+00	100% Mammals	2.8E-02	4.3E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	2.6E+02	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Cobalt	Desert Kit Fox	8.8E+00	100% Mammals	2.8E-02	2.0E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	3.5E+01	100% Mammals	2.8E-02	1.3E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	1.4E+01	100% Mammals	2.8E-02	3.4E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	6.9E-02	100% Mammals	2.8E-02	1.3E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Nickel	Desert Kit Fox	2.2E+01	100% Mammals	2.8E-02	3.3E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	2.4E+00 m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Vanadium	Desert Kit Fox	3.9E+01	100% Mammals	2.8E-02	4.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	7.4E+01	100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds									
Methyl acetate	Desert Kit Fox	1.2E-02 m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	2.0E+00 m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table BCW+AOC4-B.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-03	1.7E-03	7.6E-03	--	--	--	--
Barium	Red-Tailed Hawk	--	--	2.2E-02	2.6E-01	2.8E-01	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	3.4E-02	2.6E-03	3.7E-02	2.5E+00	2.5E+01	1E-02	1E-03
Chromium, total	Red-Tailed Hawk	--	--	8.1E-01	1.9E-01	1.0E+00	2.7E+00	1.6E+01	4E-01	6E-02
Cobalt	Red-Tailed Hawk	--	--	1.6E-02	9.7E-03	2.5E-02	7.6E+00	1.8E+01	3E-03	1E-03
Copper	Red-Tailed Hawk	--	--	1.0E+00	3.9E-02	1.1E+00	4.1E+00	1.2E+01	3E-01	9E-02
Lead	Red-Tailed Hawk	--	--	2.7E-01	1.5E-02	2.9E-01	1.6E+00	3.3E+00	2E-01	9E-02
Mercury	Red-Tailed Hawk	--	--	1.1E-03	7.7E-05	1.1E-03	3.9E-02	1.8E-01	3E-02	6E-03
Nickel	Red-Tailed Hawk	--	--	2.6E-01	2.4E-02	2.8E-01	6.7E+00	1.9E+01	4E-02	2E-02
Thallium	Red-Tailed Hawk	--	--	2.1E-02	2.7E-03	2.4E-02	3.5E-01	3.5E+00	7E-02	7E-03
Vanadium	Red-Tailed Hawk	--	--	3.8E-02	4.3E-02	8.0E-02	3.4E-01	6.9E-01	2E-01	1E-01
Zinc	Red-Tailed Hawk	--	--	8.3E+00	6.8E-02	8.4E+00	6.6E+01	1.7E+02	1E-01	5E-02
Volatile Organic Compounds										
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	2.2E-03	2.2E-03	1.1E+00	1.1E+01	2E-03	2E-04
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.0E-04	1.0E-04	2.3E+01	2.3E+02	4E-06	4E-07
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.3E-03	1.3E-03	1.0E+01	1.0E+02	1E-04	1E-05
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	5.4E-03	8.2E-04	6.2E-03	9.0E-02	1.3E+00	7E-02	5E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	3.4E+00	5.6E-02	3.4E+00	1.4E+01	1.4E+02	2E-01	2E-02
TEQ Mammals	Red-Tailed Hawk	--	--	5.8E+00	9.2E-02	5.9E+00	--	--	--	--
Inorganics										
Antimony	Desert Kit Fox	--	--	2.6E-03	1.5E-03	4.1E-03	5.9E-02	5.9E-01	7E-02	7E-03
Barium	Desert Kit Fox	--	--	9.6E-03	2.3E-01	2.4E-01	5.2E+01	8.3E+01	5E-03	3E-03
Chromium, hexavalent	Desert Kit Fox	--	--	1.5E-02	3.7E-03	1.9E-02	9.2E+00	3.8E+01	2E-03	5E-04
Chromium, total	Desert Kit Fox	--	--	3.6E-01	2.6E-01	6.2E-01	2.4E+00	9.6E+00	3E-01	6E-02
Cobalt	Desert Kit Fox	--	--	6.9E-03	8.7E-03	1.6E-02	7.3E+00	1.9E+01	2E-03	8E-04
Copper	Desert Kit Fox	--	--	4.6E-01	3.5E-02	4.9E-01	5.6E+00	9.3E+00	9E-02	5E-02
Lead	Desert Kit Fox	--	--	1.2E-01	1.3E-02	1.3E-01	4.7E+00	8.9E+00	3E-02	2E-02
Mercury	Desert Kit Fox	--	--	4.7E-04	6.9E-05	5.4E-04	2.5E-01	4.0E+00	2E-03	1E-04
Nickel	Desert Kit Fox	--	--	1.2E-01	2.1E-02	1.4E-01	1.7E+00	3.4E+00	8E-02	4E-02
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.2E-02	4.8E-01	1.4E+00	2E-02	8E-03
Vanadium	Desert Kit Fox	--	--	1.7E-02	3.9E-02	5.5E-02	4.2E+00	8.3E+00	1E-02	7E-03
Zinc	Desert Kit Fox	--	--	3.7E+00	7.4E-02	3.8E+00	7.5E+01	3.0E+02	5E-02	1E-02
Volatile Organic Compounds										
Methyl acetate	Desert Kit Fox	--	--	--	1.2E-05	1.2E-05	9.0E+01	3.6E+02	1E-07	3E-08
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	2.0E-03	2.0E-03	1.8E+01	1.8E+02	1E-04	1E-05

Table BCW+AOC4-B.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	9.2E-02	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	1.2E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	7.4E-01	100% Mammals	2.8E-02	6.8E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Desert Kit Fox	5.8E+01	100% Mammals	2.8E-02	4.3E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	9.4E+01	100% Mammals	2.8E-02	7.3E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Antimony	Nelson's Desert Bighorn Sheep	1.5E+00	100% Plants	3.0E-01	5.7E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Barium	Nelson's Desert Bighorn Sheep	2.3E+02	100% Plants	3.0E-01	3.6E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	3.7E+00	100% Plants	3.0E-01	1.5E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	2.6E+02	100% Plants	3.0E-01	1.1E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Cobalt	Nelson's Desert Bighorn Sheep	8.8E+00	100% Plants	3.0E-01	6.6E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	3.5E+01	100% Plants	3.0E-01	7.9E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	1.4E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	6.9E-02	100% Plants	3.0E-01	8.6E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Nickel	Nelson's Desert Bighorn Sheep	2.2E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00 m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Vanadium	Nelson's Desert Bighorn Sheep	3.9E+01	100% Plants	3.0E-01	1.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	7.4E+01	100% Plants	3.0E-01	5.3E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds									
Methyl acetate	Nelson's Desert Bighorn Sheep	1.2E-02 m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	2.0E+00 m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	9.2E-02	100% Plants	3.0E-01	9.0E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.2E+00	100% Plants	3.0E-01	2.1E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	7.4E-01	100% Plants	3.0E-01	7.4E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Nelson's Desert Bighorn Sheep	5.8E+01	100% Plants	3.0E-01	3.3E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	9.4E+01	100% Plants	3.0E-01	5.3E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table BCW+AOC4-B.1

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	9.1E-05	9.1E-05	6.6E+01	3.3E+02	1E-06	3E-07
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	1.2E-03	1.2E-03	6.2E-01	3.1E+00	2E-03	4E-04
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	2.4E-03	7.3E-04	3.1E-03	3.6E-01	1.3E+00	9E-03	2E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	1.5E+00	5.8E-02	1.6E+00	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	2.6E+00	9.3E-02	2.7E+00	1.0E+00	1.0E+01	**3E+00**	3E-01
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	7.9E-04	--	--	6.1E-03	6.9E-03	4.3E-02	4.3E-01	2E-01	2E-02
Barium	Nelson's Desert Bighorn Sheep	5.0E-01	--	--	9.6E-01	1.5E+00	5.2E+01	8.3E+01	3E-02	2E-02
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	2.1E-03	--	--	1.5E-02	1.7E-02	9.2E+00	3.8E+01	2E-03	5E-04
Chromium, total	Nelson's Desert Bighorn Sheep	1.5E-01	--	--	1.1E+00	1.2E+00	2.4E+00	9.6E+00	5E-01	1E-01
Cobalt	Nelson's Desert Bighorn Sheep	9.1E-04	--	--	3.6E-02	3.7E-02	7.3E+00	1.9E+01	5E-03	2E-03
Copper	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	1.5E-01	2.5E-01	5.6E+00	9.3E+00	5E-02	3E-02
Lead	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	5.6E-02	7.1E-02	3.4E+00	6.4E+00	2E-02	1E-02
Mercury	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	2.8E-04	1.5E-03	1.8E-01	2.9E+00	8E-03	5E-04
Nickel	Nelson's Desert Bighorn Sheep	1.5E-02	--	--	8.9E-02	1.0E-01	1.1E+00	2.1E+00	1E-01	5E-02
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.0E-02	3.5E-01	1.0E+00	3E-02	1E-02
Vanadium	Nelson's Desert Bighorn Sheep	2.6E-03	--	--	1.6E-01	1.6E-01	2.7E+00	5.4E+00	6E-02	3E-02
Zinc	Nelson's Desert Bighorn Sheep	7.2E-01	--	--	3.1E-01	1.0E+00	7.5E+01	3.0E+02	1E-02	3E-03
Volatile Organic Compounds										
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.9E-05	4.9E-05	6.6E+01	2.6E+02	8E-07	2E-07
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	8.2E-03	8.2E-03	1.2E+01	1.2E+02	7E-04	7E-05
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	3.8E-04	1.6E-03	6.6E+01	3.3E+02	2E-05	5E-06
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.9E-03	--	--	4.9E-03	7.8E-03	6.2E-01	3.1E+00	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	1.0E-04	--	--	3.0E-03	3.1E-03	2.3E-01	8.1E-01	1E-02	4E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	4.5E-03	--	--	2.4E-01	2.4E-01	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	7.2E-03	--	--	3.9E-01	3.9E-01	7.3E-01	7.3E+00	5E-01	5E-02

See Notes and Abbreviations following Table BCW+AOC4-B.4.

Table BCW+AOC4-B.2

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Copper	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	1.3E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	1.4E+01	100% Mammals	1.4E-02	3.4E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	6.9E-02	100% Mammals	1.4E-02	1.3E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Nickel	Red-Tailed Hawk	2.2E+01	100% Mammals	1.4E-02	3.3E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	6.2E+01	100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	7.4E-01	100% Mammals	1.4E-02	6.8E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Cobalt	Desert Kit Fox	8.8E+00	100% Mammals	2.8E-02	2.0E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	3.5E+01	100% Mammals	2.8E-02	1.3E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	1.4E+01	100% Mammals	2.8E-02	3.4E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	6.9E-02	100% Mammals	2.8E-02	1.3E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Nickel	Desert Kit Fox	2.2E+01	100% Mammals	2.8E-02	3.3E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	2.4E+00 m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	7.4E+01	100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	9.2E-02	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	1.2E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	7.4E-01	100% Mammals	2.8E-02	6.8E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Cobalt	Nelson's Desert Bighorn Sheep	8.8E+00	100% Plants	3.0E-01	6.6E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	3.5E+01	100% Plants	3.0E-01	7.9E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	1.4E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	6.9E-02	100% Plants	3.0E-01	8.6E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Nickel	Nelson's Desert Bighorn Sheep	2.2E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00 m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	7.4E+01	100% Plants	3.0E-01	5.3E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	9.2E-02	100% Plants	3.0E-01	9.0E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.2E+00	100% Plants	3.0E-01	2.1E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	7.4E-01	100% Plants	3.0E-01	7.4E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table BCW+AOC4-B.2

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Copper	Red-Tailed Hawk	--	--	1.0E+00	3.9E-02	1.1E+00	2.3E+00	5.2E+01	5E-01	2E-02
Lead	Red-Tailed Hawk	--	--	2.7E-01	1.5E-02	2.9E-01	1.4E-02	8.8E+00	**2E+01**	3E-02
Mercury	Red-Tailed Hawk	--	--	1.1E-03	7.7E-05	1.1E-03	3.9E-02	1.8E-01	3E-02	6E-03
Nickel	Red-Tailed Hawk	--	--	2.6E-01	2.4E-02	2.8E-01	1.4E+00	5.6E+01	2E-01	5E-03
Zinc	Red-Tailed Hawk	--	--	8.3E+00	6.8E-02	8.4E+00	1.7E+01	1.7E+02	5E-01	5E-02
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	5.4E-03	8.2E-04	6.2E-03	9.0E-02	1.3E+00	7E-02	5E-03
Inorganics										
Cobalt	Desert Kit Fox	--	--	6.9E-03	8.7E-03	1.6E-02	1.2E+00	2.0E+01	1E-02	8E-04
Copper	Desert Kit Fox	--	--	4.6E-01	3.5E-02	4.9E-01	2.7E+00	6.3E+02	2E-01	8E-04
Lead	Desert Kit Fox	--	--	1.2E-01	1.3E-02	1.3E-01	1.0E+00	2.4E+02	1E-01	6E-04
Mercury	Desert Kit Fox	--	--	4.7E-04	6.9E-05	5.4E-04	2.5E-01	4.0E+00	2E-03	1E-04
Nickel	Desert Kit Fox	--	--	1.2E-01	2.1E-02	1.4E-01	1.3E-01	3.2E+01	1E+00	4E-03
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.2E-02	4.8E-01	1.4E+00	2E-02	8E-03
Zinc	Desert Kit Fox	--	--	3.7E+00	7.4E-02	3.8E+00	9.6E+00	4.1E+02	4E-01	9E-03
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	9.1E-05	9.1E-05	5.0E+01	1.5E+02	2E-06	6E-07
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	1.2E-03	1.2E-03	1.3E+00	3.3E+01	9E-04	4E-05
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	2.4E-03	7.3E-04	3.1E-03	3.6E-01	1.3E+00	9E-03	2E-03
Inorganics										
Cobalt	Nelson's Desert Bighorn Sheep	9.1E-04	--	--	3.6E-02	3.7E-02	8.8E-01	1.5E+01	4E-02	3E-03
Copper	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	1.5E-01	2.5E-01	1.7E+00	4.6E+02	2E-01	6E-04
Lead	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	5.6E-02	7.1E-02	7.3E-01	1.5E+02	1E-01	5E-04
Mercury	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	2.8E-04	1.5E-03	1.8E-01	2.9E+00	8E-03	5E-04
Nickel	Nelson's Desert Bighorn Sheep	1.5E-02	--	--	8.9E-02	1.0E-01	9.7E-02	2.3E+01	1E+00	5E-03
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.0E-02	3.5E-01	1.0E+00	3E-02	1E-02
Zinc	Nelson's Desert Bighorn Sheep	7.2E-01	--	--	3.1E-01	1.0E+00	6.0E+00	3.0E+02	2E-01	3E-03
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	3.8E-04	1.6E-03	3.6E+01	1.1E+02	4E-05	1E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.9E-03	--	--	4.9E-03	7.8E-03	8.2E-01	2.1E+01	1E-02	4E-04
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	1.0E-04	--	--	3.0E-03	3.1E-03	2.3E-01	8.1E-01	1E-02	4E-03

See Notes and Abbreviations following Table BCW+AOC4-B.4.

Table BCW+AOC4-B.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations
(Species-Specific SUF, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	(kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Antimony	Red-Tailed Hawk	1.5E+00	100% Mammals	1.4E-02	7.5E-02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Barium	Red-Tailed Hawk	2.3E+02	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Chromium, hexavalent	Red-Tailed Hawk	2.3E+00	100% Mammals	1.4E-02	4.3E-01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Chromium, total	Red-Tailed Hawk	1.7E+02	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Cobalt	Red-Tailed Hawk	8.8E+00	100% Mammals	1.4E-02	2.0E-01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Copper	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	1.3E+01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Lead	Red-Tailed Hawk	1.4E+01	100% Mammals	1.4E-02	3.4E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Mercury	Red-Tailed Hawk	6.9E-02	100% Mammals	1.4E-02	1.3E-02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Nickel	Red-Tailed Hawk	2.2E+01	100% Mammals	1.4E-02	3.3E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Thallium	Red-Tailed Hawk	2.4E+00 m	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Vanadium	Red-Tailed Hawk	3.9E+01	100% Mammals	1.4E-02	4.7E-01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Zinc	Red-Tailed Hawk	6.2E+01	100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Volatile Organic Compounds									
Methyl acetate	Red-Tailed Hawk	ND nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	2.0E+00 m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Red-Tailed Hawk	9.2E-02	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
PAH High molecular weight	Red-Tailed Hawk	1.2E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	7.4E-01	100% Mammals	1.4E-02	6.8E-02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Dioxins (presented in ng/kg)									
TEQ Avian	Red-Tailed Hawk	5.1E+01	100% Mammals	1.4E-02	4.3E+01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
TEQ Mammals	Red-Tailed Hawk	8.3E+01	100% Mammals	1.4E-02	7.3E+01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Inorganics									
Antimony	Desert Kit Fox	1.5E+00	100% Mammals	2.8E-02	7.5E-02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Barium	Desert Kit Fox	2.3E+02	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Chromium, hexavalent	Desert Kit Fox	3.7E+00	100% Mammals	2.8E-02	4.3E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Chromium, total	Desert Kit Fox	2.6E+02	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Cobalt	Desert Kit Fox	8.8E+00	100% Mammals	2.8E-02	2.0E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Copper	Desert Kit Fox	3.5E+01	100% Mammals	2.8E-02	1.3E+01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Lead	Desert Kit Fox	1.4E+01	100% Mammals	2.8E-02	3.4E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Mercury	Desert Kit Fox	6.9E-02	100% Mammals	2.8E-02	1.3E-02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Nickel	Desert Kit Fox	2.2E+01	100% Mammals	2.8E-02	3.3E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Thallium	Desert Kit Fox	2.4E+00 m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Vanadium	Desert Kit Fox	3.9E+01	100% Mammals	2.8E-02	4.7E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Zinc	Desert Kit Fox	7.4E+01	100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Volatile Organic Compounds									
Methyl acetate	Desert Kit Fox	1.2E-02 m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	2.0E+00 m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03

Table BCW+AOC4-B.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations
(Species-Specific SUF, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-03	1.7E-03	6.2E-05	--	--	--	--
Barium	Red-Tailed Hawk	--	--	2.2E-02	2.6E-01	2.3E-03	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	3.4E-02	2.6E-03	3.0E-04	2.5E+00	2.5E+01	1E-04	1E-05
Chromium, total	Red-Tailed Hawk	--	--	8.1E-01	1.9E-01	8.2E-03	2.7E+00	1.6E+01	3E-03	5E-04
Cobalt	Red-Tailed Hawk	--	--	1.6E-02	9.7E-03	2.1E-04	7.6E+00	1.8E+01	3E-05	1E-05
Copper	Red-Tailed Hawk	--	--	1.0E+00	3.9E-02	8.7E-03	4.1E+00	1.2E+01	2E-03	7E-04
Lead	Red-Tailed Hawk	--	--	2.7E-01	1.5E-02	2.3E-03	1.6E+00	3.3E+00	1E-03	7E-04
Mercury	Red-Tailed Hawk	--	--	1.1E-03	7.7E-05	9.2E-06	3.9E-02	1.8E-01	2E-04	5E-05
Nickel	Red-Tailed Hawk	--	--	2.6E-01	2.4E-02	2.3E-03	6.7E+00	1.9E+01	3E-04	1E-04
Thallium	Red-Tailed Hawk	--	--	2.1E-02	2.7E-03	2.0E-04	3.5E-01	3.5E+00	6E-04	6E-05
Vanadium	Red-Tailed Hawk	--	--	3.8E-02	4.3E-02	6.6E-04	3.4E-01	6.9E-01	2E-03	1E-03
Zinc	Red-Tailed Hawk	--	--	8.3E+00	6.8E-02	6.9E-02	6.6E+01	1.7E+02	1E-03	4E-04
Volatile Organic Compounds										
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	2.2E-03	1.8E-05	1.1E+00	1.1E+01	2E-05	2E-06
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.0E-04	8.3E-07	2.3E+01	2.3E+02	4E-08	4E-09
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.3E-03	1.1E-05	1.0E+01	1.0E+02	1E-06	1E-07
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	5.4E-03	8.2E-04	5.1E-05	9.0E-02	1.3E+00	6E-04	4E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	3.4E+00	5.6E-02	2.8E-02	1.4E+01	1.4E+02	2E-03	2E-04
TEQ Mammals	Red-Tailed Hawk	--	--	5.8E+00	9.2E-02	4.8E-02	--	--	--	--
Inorganics										
Antimony	Desert Kit Fox	--	--	2.6E-03	1.5E-03	2.7E-05	5.9E-02	5.9E-01	5E-04	5E-05
Barium	Desert Kit Fox	--	--	9.6E-03	2.3E-01	1.6E-03	5.2E+01	8.3E+01	3E-05	2E-05
Chromium, hexavalent	Desert Kit Fox	--	--	1.5E-02	3.7E-03	1.3E-04	9.2E+00	3.8E+01	1E-05	3E-06
Chromium, total	Desert Kit Fox	--	--	3.6E-01	2.6E-01	4.1E-03	2.4E+00	9.6E+00	2E-03	4E-04
Cobalt	Desert Kit Fox	--	--	6.9E-03	8.7E-03	1.0E-04	7.3E+00	1.9E+01	1E-05	6E-06
Copper	Desert Kit Fox	--	--	4.6E-01	3.5E-02	3.3E-03	5.6E+00	9.3E+00	6E-04	3E-04
Lead	Desert Kit Fox	--	--	1.2E-01	1.3E-02	8.9E-04	4.7E+00	8.9E+00	2E-04	1E-04
Mercury	Desert Kit Fox	--	--	4.7E-04	6.9E-05	3.6E-06	2.5E-01	4.0E+00	1E-05	9E-07
Nickel	Desert Kit Fox	--	--	1.2E-01	2.1E-02	9.1E-04	1.7E+00	3.4E+00	5E-04	3E-04
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	7.9E-05	4.8E-01	1.4E+00	2E-04	6E-05
Vanadium	Desert Kit Fox	--	--	1.7E-02	3.9E-02	3.7E-04	4.2E+00	8.3E+00	9E-05	4E-05
Zinc	Desert Kit Fox	--	--	3.7E+00	7.4E-02	2.5E-02	7.5E+01	3.0E+02	3E-04	8E-05
Volatile Organic Compounds										
Methyl acetate	Desert Kit Fox	--	--	--	1.2E-05	7.9E-08	9.0E+01	3.6E+02	9E-10	2E-10
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	2.0E-03	1.3E-05	1.8E+01	1.8E+02	7E-07	7E-08

Table BCW+AOC4-B.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations
(Species-Specific SUF, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	(kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	9.2E-02	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
PAH High molecular weight	Desert Kit Fox	1.2E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	7.4E-01	100% Mammals	2.8E-02	6.8E-02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Dioxins (presented in ng/kg)									
TEQ Avian	Desert Kit Fox	5.8E+01	100% Mammals	2.8E-02	4.3E+01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
TEQ Mammals	Desert Kit Fox	9.4E+01	100% Mammals	2.8E-02	7.3E+01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Inorganics									
Antimony	Nelson's Desert Bighorn Sheep	1.5E+00	100% Plants	3.0E-01	5.7E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Barium	Nelson's Desert Bighorn Sheep	2.3E+02	100% Plants	3.0E-01	3.6E+01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	3.7E+00	100% Plants	3.0E-01	1.5E-01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Chromium, total	Nelson's Desert Bighorn Sheep	2.6E+02	100% Plants	3.0E-01	1.1E+01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Cobalt	Nelson's Desert Bighorn Sheep	8.8E+00	100% Plants	3.0E-01	6.6E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Copper	Nelson's Desert Bighorn Sheep	3.5E+01	100% Plants	3.0E-01	7.9E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Lead	Nelson's Desert Bighorn Sheep	1.4E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Mercury	Nelson's Desert Bighorn Sheep	6.9E-02	100% Plants	3.0E-01	8.6E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Nickel	Nelson's Desert Bighorn Sheep	2.2E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00 m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Vanadium	Nelson's Desert Bighorn Sheep	3.9E+01	100% Plants	3.0E-01	1.9E-01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Zinc	Nelson's Desert Bighorn Sheep	7.4E+01	100% Plants	3.0E-01	5.3E+01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Volatile Organic Compounds									
Methyl acetate	Nelson's Desert Bighorn Sheep	1.2E-02 m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	2.0E+00 m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	9.2E-02	100% Plants	3.0E-01	9.0E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.2E+00	100% Plants	3.0E-01	2.1E-01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	7.4E-01	100% Plants	3.0E-01	7.4E-03	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Dioxins (presented in ng/kg)									
TEQ Avian	Nelson's Desert Bighorn Sheep	5.8E+01	100% Plants	3.0E-01	3.3E-01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
TEQ Mammals	Nelson's Desert Bighorn Sheep	9.4E+01	100% Plants	3.0E-01	5.3E-01	6.8E+01	1.4E-02	4.1E-03	1.6E-02

Table BCW+AOC4-B.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations
(Species-Specific SUF, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	9.1E-05	6.0E-07	6.6E+01	3.3E+02	9E-09	2E-09
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	1.2E-03	7.8E-06	6.2E-01	3.1E+00	1E-05	3E-06
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	2.4E-03	7.3E-04	2.1E-05	3.6E-01	1.3E+00	6E-05	2E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	1.5E+00	5.8E-02	1.0E-02	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	2.6E+00	9.3E-02	1.8E-02	1.0E+00	1.0E+01	2E-02	2E-03
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	7.9E-04	--	--	6.1E-03	1.1E-04	4.3E-02	4.3E-01	3E-03	3E-04
Barium	Nelson's Desert Bighorn Sheep	5.0E-01	--	--	9.6E-01	2.3E-02	5.2E+01	8.3E+01	4E-04	3E-04
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	2.1E-03	--	--	1.5E-02	2.8E-04	9.2E+00	3.8E+01	3E-05	7E-06
Chromium, total	Nelson's Desert Bighorn Sheep	1.5E-01	--	--	1.1E+00	1.9E-02	2.4E+00	9.6E+00	8E-03	2E-03
Cobalt	Nelson's Desert Bighorn Sheep	9.1E-04	--	--	3.6E-02	5.9E-04	7.3E+00	1.9E+01	8E-05	3E-05
Copper	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	1.5E-01	4.0E-03	5.6E+00	9.3E+00	7E-04	4E-04
Lead	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	5.6E-02	1.1E-03	3.4E+00	6.4E+00	3E-04	2E-04
Mercury	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	2.8E-04	2.3E-05	1.8E-01	2.9E+00	1E-04	8E-06
Nickel	Nelson's Desert Bighorn Sheep	1.5E-02	--	--	8.9E-02	1.6E-03	1.1E+00	2.1E+00	2E-03	8E-04
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.6E-04	3.5E-01	1.0E+00	5E-04	2E-04
Vanadium	Nelson's Desert Bighorn Sheep	2.6E-03	--	--	1.6E-01	2.6E-03	2.7E+00	5.4E+00	1E-03	5E-04
Zinc	Nelson's Desert Bighorn Sheep	7.2E-01	--	--	3.1E-01	1.6E-02	7.5E+01	3.0E+02	2E-04	5E-05
Volatile Organic Compounds										
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.9E-05	7.9E-07	6.6E+01	2.6E+02	1E-08	3E-09
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	8.2E-03	1.3E-04	1.2E+01	1.2E+02	1E-05	1E-06
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	3.8E-04	2.6E-05	6.6E+01	3.3E+02	4E-07	8E-08
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.9E-03	--	--	4.9E-03	1.2E-04	6.2E-01	3.1E+00	2E-04	4E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	1.0E-04	--	--	3.0E-03	5.0E-05	2.3E-01	8.1E-01	2E-04	6E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	4.5E-03	--	--	2.4E-01	3.9E-03	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	7.2E-03	--	--	3.9E-01	6.3E-03	7.3E-01	7.3E+00	9E-03	9E-04

See Notes and Abbreviations following Table BCW+AOC4-B.4.

Table BCW+AOC4-B.4
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations
(Species-Specific SUF, BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Copper	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	1.3E+01	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Lead	Red-Tailed Hawk	1.4E+01	100% Mammals	1.4E-02	3.4E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Mercury	Red-Tailed Hawk	6.9E-02	100% Mammals	1.4E-02	1.3E-02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Nickel	Red-Tailed Hawk	2.2E+01	100% Mammals	1.4E-02	3.3E+00	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Zinc	Red-Tailed Hawk	6.2E+01	100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	7.4E-01	100% Mammals	1.4E-02	6.8E-02	1.1E+00	7.9E-02	1.1E-03	8.2E-03
Inorganics									
Cobalt	Desert Kit Fox	8.8E+00	100% Mammals	2.8E-02	2.0E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Copper	Desert Kit Fox	3.5E+01	100% Mammals	2.8E-02	1.3E+01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Lead	Desert Kit Fox	1.4E+01	100% Mammals	2.8E-02	3.4E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Mercury	Desert Kit Fox	6.9E-02	100% Mammals	2.8E-02	1.3E-02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Nickel	Desert Kit Fox	2.2E+01	100% Mammals	2.8E-02	3.3E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Thallium	Desert Kit Fox	2.4E+00 m	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Zinc	Desert Kit Fox	7.4E+01	100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	9.2E-02	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
PAH High molecular weight	Desert Kit Fox	1.2E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	7.4E-01	100% Mammals	2.8E-02	6.8E-02	2.0E+00	3.5E-02	9.9E-04	6.6E-03
Inorganics									
Cobalt	Nelson's Desert Bighorn Sheep	8.8E+00	100% Plants	3.0E-01	6.6E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Copper	Nelson's Desert Bighorn Sheep	3.5E+01	100% Plants	3.0E-01	7.9E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Lead	Nelson's Desert Bighorn Sheep	1.4E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Mercury	Nelson's Desert Bighorn Sheep	6.9E-02	100% Plants	3.0E-01	8.6E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Nickel	Nelson's Desert Bighorn Sheep	2.2E+01	100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00 m	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Zinc	Nelson's Desert Bighorn Sheep	7.4E+01	100% Plants	3.0E-01	5.3E+01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	9.2E-02	100% Plants	3.0E-01	9.0E-02	6.8E+01	1.4E-02	4.1E-03	1.6E-02
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.2E+00	100% Plants	3.0E-01	2.1E-01	6.8E+01	1.4E-02	4.1E-03	1.6E-02
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	7.4E-01	100% Plants	3.0E-01	7.4E-03	6.8E+01	1.4E-02	4.1E-03	1.6E-02

Table BCW+AOC4-B.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations
(Species-Specific SUF, BTAG TRVs) for BCW and AOC 4

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COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Copper	Red-Tailed Hawk	--	--	1.0E+00	3.9E-02	8.7E-03	2.3E+00	5.2E+01	4E-03	2E-04
Lead	Red-Tailed Hawk	--	--	2.7E-01	1.5E-02	2.3E-03	1.4E-02	8.8E+00	2E-01	3E-04
Mercury	Red-Tailed Hawk	--	--	1.1E-03	7.7E-05	9.2E-06	3.9E-02	1.8E-01	2E-04	5E-05
Nickel	Red-Tailed Hawk	--	--	2.6E-01	2.4E-02	2.3E-03	1.4E+00	5.6E+01	2E-03	4E-05
Zinc	Red-Tailed Hawk	--	--	8.3E+00	6.8E-02	6.9E-02	1.7E+01	1.7E+02	4E-03	4E-04
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	5.4E-03	8.2E-04	5.1E-05	9.0E-02	1.3E+00	6E-04	4E-05
Inorganics										
Cobalt	Desert Kit Fox	--	--	6.9E-03	8.7E-03	1.0E-04	1.2E+00	2.0E+01	9E-05	5E-06
Copper	Desert Kit Fox	--	--	4.6E-01	3.5E-02	3.3E-03	2.7E+00	6.3E+02	1E-03	5E-06
Lead	Desert Kit Fox	--	--	1.2E-01	1.3E-02	8.9E-04	1.0E+00	2.4E+02	9E-04	4E-06
Mercury	Desert Kit Fox	--	--	4.7E-04	6.9E-05	3.6E-06	2.5E-01	4.0E+00	1E-05	9E-07
Nickel	Desert Kit Fox	--	--	1.2E-01	2.1E-02	9.1E-04	1.3E-01	3.2E+01	7E-03	3E-05
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	7.9E-05	4.8E-01	1.4E+00	2E-04	6E-05
Zinc	Desert Kit Fox	--	--	3.7E+00	7.4E-02	2.5E-02	9.6E+00	4.1E+02	3E-03	6E-05
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	9.1E-05	6.0E-07	5.0E+01	1.5E+02	1E-08	4E-09
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	1.2E-03	7.8E-06	1.3E+00	3.3E+01	6E-06	2E-07
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	2.4E-03	7.3E-04	2.1E-05	3.6E-01	1.3E+00	6E-05	2E-05
Inorganics										
Cobalt	Nelson's Desert Bighorn Sheep	9.1E-04	--	--	3.6E-02	5.9E-04	8.8E-01	1.5E+01	7E-04	4E-05
Copper	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	1.5E-01	4.0E-03	1.7E+00	4.6E+02	2E-03	9E-06
Lead	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	5.6E-02	1.1E-03	7.3E-01	1.5E+02	2E-03	7E-06
Mercury	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	2.8E-04	2.3E-05	1.8E-01	2.9E+00	1E-04	8E-06
Nickel	Nelson's Desert Bighorn Sheep	1.5E-02	--	--	8.9E-02	1.6E-03	9.7E-02	2.3E+01	2E-02	7E-05
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.6E-04	3.5E-01	1.0E+00	5E-04	2E-04
Zinc	Nelson's Desert Bighorn Sheep	7.2E-01	--	--	3.1E-01	1.6E-02	6.0E+00	3.0E+02	3E-03	5E-05
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.2E-03	--	--	3.8E-04	2.6E-05	3.6E+01	1.1E+02	7E-07	2E-07
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.9E-03	--	--	4.9E-03	1.2E-04	8.2E-01	2.1E+01	2E-04	6E-06
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	1.0E-04	--	--	3.0E-03	5.0E-05	2.3E-01	8.1E-01	2E-04	6E-05

See Notes and Abbreviations following Table BCW+AOC4-B.4.

Table BCW+AOC4-B Table Notes
Notes for Terrestrial Wildlife Risk Calculations

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Notes:

[a] Dioxin presented in ng/kg.

[b] Total dose equation is presented below:

$$\text{Total Dose (mg/kg-day)} = [(EPC^{soil} \times SIR) + (C^{plants} \times FIR \times F^{plants}) + (C^{insects} \times FIR \times F^{insects}) + (C^{mammals} \times FIR \times F^{mammals})] \times SUF$$

[c] HQ = Total Dose / TRV

Abbreviations:

AOC = area of concern
BCW = Bat Cave Wash
BTAG = Biological Technical Assistance Group
COPEC = constituent of potential ecological concern
dw = dry weight
EPC^{soil} = exposure point concentration in soil (mg/kg dw)
EPC^{plants} = exposure point concentration in plants (mg/kg dw)
$EPC^{insects}$ = exposure point concentration in insects (mg/kg dw)
$EPC^{mammals}$ = exposure point concentration in mammals (mg/kg dw)
F^{plants} = fraction of plants in diet
$F^{insects}$ = fraction of insects in diet
$F^{mammals}$ = fraction of mammals in diet
FIR = food ingestion rate (kg dw/kg bw-day)
HQ = hazard quotient (unitless)
kg = kilogram
kg dw/kg bw-day = kilograms per kilogram of body weight per day
LOAEL = lowest observed adverse effect level (mg/kg-day)
m = maximum detected concentration
mg/kg = milligrams per kilogram
mg/kg-day = milligrams per kilogram per day
ND = not detected
ng/kg = nanograms per kilogram
NOAEL = no observed adverse effect level (mg/kg-day)
SIR = soil ingestion rate (kg dw/kg bw-day)
SUF = site use factor (fraction)
TRV = toxicity reference value (mg/kg-day)

ATTACHMENT C

Dose and Risk Calculations for Ecological Receptors at BCW and AOC4 Using Maximum Depth-Weighted EPCs

Attachment BCW+AOC4-C
Dose and Risk Calculations for Ecological Receptors at BCW+AOC4 Using Maximum Depth-Weighted EPCs

Table BCW+AOC4-C.1	Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for BCW and AOC4 Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for BCW and AOC4
Table BCW+AOC4-C.2	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC4
Table BCW+AOC4-C.3	
Table BCW+AOC4-C.4	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for BCW and AOC4
Table BCW+AOC4-C Table Notes	Notes for Terrestrial Wildlife Risk Calculations

Table BCW+AOC4-C.1
Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for BCW and AOC 4

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COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Inorganics								
Antimony	mg/kg	**1.80E+01**	1.28E+01	8.32E+00	**5.93E-01**	4.31E-01	2.88E-01	9.00E-01
Barium	mg/kg	**1.30E+03**	**1.30E+03**	**1.30E+03**	**2.03E+02**	**2.03E+02**	**2.03E+02**	1.52E+00
Chromium, hexavalent	mg/kg	4.75E+01	4.75E+01	**7.30E+01**	1.95E+00	1.95E+00	**2.99E+00**	3.95E+00
Chromium, total	mg/kg	2.60E+03	2.13E+03	**4.40E+03**	1.07E+02	8.73E+01	**1.80E+02**	7.45E+01
Cobalt	mg/kg	**2.00E+01**	**2.00E+01**	**2.00E+01**	**1.50E-01**	**1.50E-01**	**1.50E-01**	5.76E-01
Copper	mg/kg	**7.90E+02**	**7.90E+02**	**7.90E+02**	**2.70E+01**	**2.70E+01**	**2.70E+01**	2.02E+01
Lead	mg/kg	**2.20E+02**	**2.20E+02**	**2.20E+02**	**5.46E+00**	**5.46E+00**	**5.46E+00**	1.17E+01
Mercury	mg/kg	**7.40E-01**	5.20E-01	5.20E-01	**3.14E-01**	2.59E-01	2.59E-01	1.42E-01
Nickel	mg/kg	**7.50E+01**	**7.50E+01**	**7.50E+01**	**2.74E+00**	**2.74E+00**	**2.74E+00**	5.84E+00
Thallium	mg/kg	**2.40E+00**	1.95E+00	1.71E+00	**9.60E-03**	7.80E-03	6.84E-03	2.69E-01
Vanadium	mg/kg	**1.00E+02**	**1.00E+02**	**1.00E+02**	**4.85E-01**	**4.85E-01**	**4.85E-01**	1.23E+00
Zinc	mg/kg	**6.73E+02**	**6.73E+02**	**6.73E+02**	**1.78E+02**	**1.78E+02**	**1.78E+02**	1.24E+02
Volatile Organic Compounds								
Methyl acetate	mg/kg	--	**1.20E-02**	**1.20E-02**	--	**0.00E+00**	**0.00E+00**	--
Semi-Volatile Organic Compounds								
Bis (2-ethylhexyl) phthalate	mg/kg	**2.00E+00**	**2.00E+00**	**2.00E+00**	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Polycyclic Aromatic Hydrocarbons								
PAH Low molecular weight	mg/kg	**1.34E+00**	**1.34E+00**	**1.34E+00**	**3.05E-01**	**3.05E-01**	**3.05E-01**	0.00E+00
PAH High molecular weight	mg/kg	**1.02E+01**	**1.02E+01**	**1.02E+01**	**1.64E+00**	**1.64E+00**	**1.64E+00**	0.00E+00
Polychlorinated Biphenyls								
Total PCBs	mg/kg	**6.28E+00**	**6.28E+00**	**6.28E+00**	**6.28E-02**	**6.28E-02**	**6.28E-02**	1.25E+00
Dioxins								
TEQ Avian	ng/kg	**1.10E+04**	7.34E+03	3.67E+03	**6.16E+01**	4.11E+01	2.06E+01	1.58E+04
TEQ Mammals	ng/kg	**1.20E+04**	8.00E+03	4.01E+03	**6.72E+01**	4.48E+01	2.25E+01	1.74E+04
2,3,7,8-TCDD	ng/kg	**6.70E+01**	4.47E+01	2.24E+01	**--**	**--**	**--**	--

Table BCW+AOC4-C.1
Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for BCW and AOC 4

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Notes:
[a] Calculated using selected soil EPC and uptake model. See Section 6 of the main report.
[b] Biota EPCs presented as 0.0 indicate no bioaccumulation from soil.

Bold indicates EPC selected to estimate plant uptake from soil (maximum of surface, shallow, and subsurface l soil.

Abbreviations:

-- = soil EPC or uptake model not available, biota EPCs could not be estimated.
AOC = area of concern
EPC = exposure point concentration
ft bgs = feet below ground surface
m = maximum depth-weighted concentration
mg/kg = milligrams per kilogram
nd = not detected in this depth interval
ng/kg = nanograms per kilogram

Table BCW+AOC4-C.2
Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for BCW and AOC 4

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	8E-01	8E-02	**2E+00**	2E-01	--	--	--	--	--	--
Barium	--	--	3E-02	2E-02	2E-01	1E-01	--	--	--	--	--	--
Chromium, hexavalent	1E-01	1E-02	2E-02	6E-03	4E-02	9E-03	--	--	--	--	--	--
Chromium, total	**3E+00**	6E-01	**3E+00**	7E-01	**9E+00**	**2E+00**	--	--	--	--	--	--
Cobalt	9E-03	4E-03	5E-03	2E-03	1E-02	4E-03	--	--	3E-02	2E-03	1E-01	6E-03
Copper	6E-01	2E-01	3E-01	2E-01	6E-01	4E-01	1E+00	5E-02	6E-01	2E-03	**2E+00**	8E-03
Lead	7E-01	4E-01	1E-01	7E-02	3E-01	2E-01	**8E+01**	1E-01	6E-01	3E-03	1E+00	6E-03
Mercury	3E-01	7E-02	2E-02	1E-03	4E-02	3E-03	3E-01	7E-02	2E-02	1E-03	4E-02	3E-03
Nickel	8E-02	3E-02	2E-01	8E-02	3E-01	2E-01	4E-01	1E-02	**2E+00**	9E-03	**4E+00**	2E-02
Thallium	7E-02	7E-03	2E-02	8E-03	3E-02	1E-02	--	--	2E-02	8E-03	3E-02	1E-02
Vanadium	6E-01	3E-01	3E-02	2E-02	2E-01	8E-02	--	--	--	--	--	--
Zinc	2E-01	6E-02	7E-02	2E-02	7E-02	2E-02	6E-01	6E-02	5E-01	1E-02	9E-01	2E-02
Volatile Organic Compounds												
Methyl acetate	--	--	1E-07	3E-08	8E-07	2E-07	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
Bis (2-ethylhexyl) phth	2E-03	2E-04	1E-04	1E-05	7E-04	7E-05	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	7E-05	7E-06	2E-05	4E-06	1E-04	3E-05	--	--	3E-05	9E-06	3E-04	9E-05
PAH High molecular weight	1E-03	1E-04	2E-02	3E-03	1E-01	2E-02	--	--	8E-03	3E-04	8E-02	3E-03
Polychlorinated Biphenyls												
Total PCBs	1E+00	8E-02	1E-01	4E-02	1E-01	3E-02	1E+00	8E-02	1E-01	4E-02	1E-01	3E-02

Table BCW+AOC4-C.2
Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for BCW and AOC 4

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
Dioxins												
2,3,7,8-TCDD	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	**9E+01**	**9E+00**	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	**6E+02**	**6E+01**	**7E+01**	**7E+00**	--	--	--	--	--	--

Notes:

	NOAEL HQ greater than 1
	LOAEL HQ greater than 1
	LOAEL HQ greater than 10
	LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table BCW+AOC4-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

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COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Antimony	Red-Tailed Hawk	1.8E+01	100% Mammals	1.4E-02	9.0E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Barium	Red-Tailed Hawk	1.3E+03	100% Mammals	1.4E-02	1.5E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	4.8E+01	100% Mammals	1.4E-02	3.9E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	2.6E+03	100% Mammals	1.4E-02	7.4E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Cobalt	Red-Tailed Hawk	2.0E+01	100% Mammals	1.4E-02	5.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	7.9E+02	100% Mammals	1.4E-02	2.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	2.2E+02	100% Mammals	1.4E-02	1.2E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	7.4E-01	100% Mammals	1.4E-02	1.4E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Nickel	Red-Tailed Hawk	7.5E+01	100% Mammals	1.4E-02	5.8E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	2.4E+00	100% Mammals	1.4E-02	2.7E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Vanadium	Red-Tailed Hawk	1.0E+02	100% Mammals	1.4E-02	1.2E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	6.7E+02	100% Mammals	1.4E-02	1.2E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds									
Methyl acetate	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	2.0E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Red-Tailed Hawk	1.3E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	1.0E+01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	6.3E+00	100% Mammals	1.4E-02	1.2E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Red-Tailed Hawk	1.1E+04	100% Mammals	1.4E-02	1.6E+04	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	1.2E+04	100% Mammals	1.4E-02	1.7E+04	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Antimony	Desert Kit Fox	1.8E+01	100% Mammals	2.8E-02	9.0E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Barium	Desert Kit Fox	1.3E+03	100% Mammals	2.8E-02	1.5E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	7.3E+01	100% Mammals	2.8E-02	3.9E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	4.4E+03	100% Mammals	2.8E-02	7.4E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Cobalt	Desert Kit Fox	2.0E+01	100% Mammals	2.8E-02	5.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	7.9E+02	100% Mammals	2.8E-02	2.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	2.2E+02	100% Mammals	2.8E-02	1.2E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	7.4E-01	100% Mammals	2.8E-02	1.4E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Nickel	Desert Kit Fox	7.5E+01	100% Mammals	2.8E-02	5.8E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	2.4E+00	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Vanadium	Desert Kit Fox	1.0E+02	100% Mammals	2.8E-02	1.2E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	6.7E+02	100% Mammals	2.8E-02	1.2E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds									
Methyl acetate	Desert Kit Fox	1.2E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	2.0E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table BCW+AOC4-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	7.1E-02	2.0E-02	9.1E-02	--	--	--	--
Barium	Red-Tailed Hawk	--	--	1.2E-01	1.4E+00	1.6E+00	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	3.1E-01	5.3E-02	3.7E-01	2.5E+00	2.5E+01	1E-01	1E-02
Chromium, total	Red-Tailed Hawk	--	--	5.9E+00	2.9E+00	8.8E+00	2.7E+00	1.6E+01	**3E+00**	6E-01
Cobalt	Red-Tailed Hawk	--	--	4.6E-02	2.2E-02	6.8E-02	7.6E+00	1.8E+01	9E-03	4E-03
Copper	Red-Tailed Hawk	--	--	1.6E+00	8.8E-01	2.5E+00	4.1E+00	1.2E+01	6E-01	2E-01
Lead	Red-Tailed Hawk	--	--	9.3E-01	2.4E-01	1.2E+00	1.6E+00	3.3E+00	7E-01	4E-01
Mercury	Red-Tailed Hawk	--	--	1.1E-02	8.2E-04	1.2E-02	3.9E-02	1.8E-01	3E-01	7E-02
Nickel	Red-Tailed Hawk	--	--	4.6E-01	8.3E-02	5.5E-01	6.7E+00	1.9E+01	8E-02	3E-02
Thallium	Red-Tailed Hawk	--	--	2.1E-02	2.7E-03	2.4E-02	3.5E-01	3.5E+00	7E-02	7E-03
Vanadium	Red-Tailed Hawk	--	--	9.8E-02	1.1E-01	2.1E-01	3.4E-01	6.9E-01	6E-01	3E-01
Zinc	Red-Tailed Hawk	--	--	9.9E+00	7.5E-01	1.1E+01	6.6E+01	1.7E+02	2E-01	6E-02
Volatile Organic Compounds										
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	2.2E-03	2.2E-03	1.1E+00	1.1E+01	2E-03	2E-04
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.5E-03	1.5E-03	2.3E+01	2.3E+02	7E-05	7E-06
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	1.1E-02	1.1E-02	1.0E+01	1.0E+02	1E-03	1E-04
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	9.9E-02	7.0E-03	1.1E-01	9.0E-02	1.3E+00	1E+00	8E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.3E+03	1.2E+01	1.3E+03	1.4E+01	1.4E+02	**9E+01**	**9E+00**
TEQ Mammals	Red-Tailed Hawk	--	--	1.4E+03	1.3E+01	1.4E+03	--	--	--	--
Inorganics										
Antimony	Desert Kit Fox	--	--	3.2E-02	1.8E-02	5.0E-02	5.9E-02	5.9E-01	8E-01	8E-02
Barium	Desert Kit Fox	--	--	5.4E-02	1.3E+00	1.3E+00	5.2E+01	8.3E+01	3E-02	2E-02
Chromium, hexavalent	Desert Kit Fox	--	--	1.4E-01	7.2E-02	2.1E-01	9.2E+00	3.8E+01	2E-02	6E-03
Chromium, total	Desert Kit Fox	--	--	2.6E+00	4.4E+00	7.0E+00	2.4E+00	9.6E+00	**3E+00**	7E-01
Cobalt	Desert Kit Fox	--	--	2.0E-02	2.0E-02	4.0E-02	7.3E+00	1.9E+01	5E-03	2E-03
Copper	Desert Kit Fox	--	--	7.1E-01	7.8E-01	1.5E+00	5.6E+00	9.3E+00	3E-01	2E-01
Lead	Desert Kit Fox	--	--	4.1E-01	2.2E-01	6.3E-01	4.7E+00	8.9E+00	1E-01	7E-02
Mercury	Desert Kit Fox	--	--	5.0E-03	7.3E-04	5.8E-03	2.5E-01	4.0E+00	2E-02	1E-03
Nickel	Desert Kit Fox	--	--	2.1E-01	7.4E-02	2.8E-01	1.7E+00	3.4E+00	2E-01	8E-02
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.2E-02	4.8E-01	1.4E+00	2E-02	8E-03
Vanadium	Desert Kit Fox	--	--	4.3E-02	9.9E-02	1.4E-01	4.2E+00	8.3E+00	3E-02	2E-02
Zinc	Desert Kit Fox	--	--	4.4E+00	6.7E-01	5.1E+00	7.5E+01	3.0E+02	7E-02	2E-02
Volatile Organic Compounds										
Methyl acetate	Desert Kit Fox	--	--	--	1.2E-05	1.2E-05	9.0E+01	3.6E+02	1E-07	3E-08
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	2.0E-03	2.0E-03	1.8E+01	1.8E+02	1E-04	1E-05

Table BCW+AOC4-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	1.3E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	1.0E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	6.3E+00	100% Mammals	2.8E-02	1.2E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Desert Kit Fox	1.1E+04	100% Mammals	2.8E-02	1.6E+04	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	1.2E+04	100% Mammals	2.8E-02	1.7E+04	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Antimony	Nelson's Desert Bighorn Sheep	1.8E+01	100% Plants	3.0E-01	5.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Barium	Nelson's Desert Bighorn Sheep	1.3E+03	100% Plants	3.0E-01	2.0E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	7.3E+01	100% Plants	3.0E-01	3.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	4.4E+03	100% Plants	3.0E-01	1.8E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Cobalt	Nelson's Desert Bighorn Sheep	2.0E+01	100% Plants	3.0E-01	1.5E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	7.9E+02	100% Plants	3.0E-01	2.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	2.2E+02	100% Plants	3.0E-01	5.5E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	7.4E-01	100% Plants	3.0E-01	3.1E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Nickel	Nelson's Desert Bighorn Sheep	7.5E+01	100% Plants	3.0E-01	2.7E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Vanadium	Nelson's Desert Bighorn Sheep	1.0E+02	100% Plants	3.0E-01	4.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	6.7E+02	100% Plants	3.0E-01	1.8E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds									
Methyl acetate	Nelson's Desert Bighorn Sheep	1.2E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	2.0E+00	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.3E+00	100% Plants	3.0E-01	3.0E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.0E+01	100% Plants	3.0E-01	1.6E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	6.3E+00	100% Plants	3.0E-01	6.3E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Nelson's Desert Bighorn Sheep	1.1E+04	100% Plants	3.0E-01	6.2E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.2E+04	100% Plants	3.0E-01	6.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table BCW+AOC4-C.3

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	1.3E-03	1.3E-03	6.6E+01	3.3E+02	2E-05	4E-06
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	1.0E-02	1.0E-02	6.2E-01	3.1E+00	2E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	4.4E-02	6.2E-03	5.0E-02	3.6E-01	1.3E+00	1E-01	4E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	5.6E+02	1.1E+01	5.7E+02	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	6.2E+02	1.2E+01	6.3E+02	1.0E+00	1.0E+01	**6E+02**	**6E+01**
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	8.1E-03	--	--	7.4E-02	8.2E-02	4.3E-02	4.3E-01	**2E+00**	2E-01
Barium	Nelson's Desert Bighorn Sheep	2.8E+00	--	--	5.4E+00	8.1E+00	5.2E+01	8.3E+01	2E-01	1E-01
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	4.1E-02	--	--	3.0E-01	3.4E-01	9.2E+00	3.8E+01	4E-02	9E-03
Chromium, total	Nelson's Desert Bighorn Sheep	2.5E+00	--	--	1.8E+01	2.1E+01	2.4E+00	9.6E+00	**9E+00**	**2E+00**
Cobalt	Nelson's Desert Bighorn Sheep	2.1E-03	--	--	8.2E-02	8.4E-02	7.3E+00	1.9E+01	1E-02	4E-03
Copper	Nelson's Desert Bighorn Sheep	3.7E-01	--	--	3.3E+00	3.6E+00	5.6E+00	9.3E+00	6E-01	4E-01
Lead	Nelson's Desert Bighorn Sheep	7.5E-02	--	--	9.1E-01	9.8E-01	3.4E+00	6.4E+00	3E-01	2E-01
Mercury	Nelson's Desert Bighorn Sheep	4.3E-03	--	--	3.0E-03	7.4E-03	1.8E-01	2.9E+00	4E-02	3E-03
Nickel	Nelson's Desert Bighorn Sheep	3.8E-02	--	--	3.1E-01	3.5E-01	1.1E+00	2.1E+00	3E-01	2E-01
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.0E-02	3.5E-01	1.0E+00	3E-02	1E-02
Vanadium	Nelson's Desert Bighorn Sheep	6.7E-03	--	--	4.1E-01	4.2E-01	2.7E+00	5.4E+00	2E-01	8E-02
Zinc	Nelson's Desert Bighorn Sheep	2.4E+00	--	--	2.8E+00	5.2E+00	7.5E+01	3.0E+02	7E-02	2E-02
Volatile Organic Compounds										
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.9E-05	4.9E-05	6.6E+01	2.6E+02	8E-07	2E-07
Semi-Volatile Organic Compounds										
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	8.2E-03	8.2E-03	1.2E+01	1.2E+02	7E-04	7E-05
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	4.2E-03	--	--	5.5E-03	9.7E-03	6.6E+01	3.3E+02	1E-04	3E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.3E-02	--	--	4.2E-02	6.5E-02	6.2E-01	3.1E+00	1E-01	2E-02
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	8.6E-04	--	--	2.6E-02	2.7E-02	2.3E-01	8.1E-01	1E-01	3E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	8.5E-01	--	--	4.5E+01	4.6E+01	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	9.2E-01	--	--	4.9E+01	5.0E+01	7.3E-01	7.3E+00	**7E+01**	**7E+00**

See Notes and Abbreviations following Table BCW/AOC4-C.4.

Table BCW+AOC4-C.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Copper	Red-Tailed Hawk	7.9E+02	100% Mammals	1.4E-02	2.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	2.2E+02	100% Mammals	1.4E-02	1.2E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	7.4E-01	100% Mammals	1.4E-02	1.4E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Nickel	Red-Tailed Hawk	7.5E+01	100% Mammals	1.4E-02	5.8E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	6.7E+02	100% Mammals	1.4E-02	1.2E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	6.3E+00	100% Mammals	1.4E-02	1.2E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Cobalt	Desert Kit Fox	2.0E+01	100% Mammals	2.8E-02	5.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	7.9E+02	100% Mammals	2.8E-02	2.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	2.2E+02	100% Mammals	2.8E-02	1.2E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	7.4E-01	100% Mammals	2.8E-02	1.4E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Nickel	Desert Kit Fox	7.5E+01	100% Mammals	2.8E-02	5.8E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	2.4E+00	100% Mammals	2.8E-02	2.7E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	6.7E+02	100% Mammals	2.8E-02	1.2E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	1.3E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	1.0E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	6.3E+00	100% Mammals	2.8E-02	1.2E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Cobalt	Nelson's Desert Bighorn Sheep	2.0E+01	100% Plants	3.0E-01	1.5E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	7.9E+02	100% Plants	3.0E-01	2.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	2.2E+02	100% Plants	3.0E-01	5.5E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	7.4E-01	100% Plants	3.0E-01	3.1E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Nickel	Nelson's Desert Bighorn Sheep	7.5E+01	100% Plants	3.0E-01	2.7E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	2.4E+00	100% Plants	3.0E-01	9.6E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	6.7E+02	100% Plants	3.0E-01	1.8E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	1.3E+00	100% Plants	3.0E-01	3.0E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	1.0E+01	100% Plants	3.0E-01	1.6E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	6.3E+00	100% Plants	3.0E-01	6.3E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table BCW+AOC4-C.4

Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Copper	Red-Tailed Hawk	--	--	1.6E+00	8.8E-01	2.5E+00	2.3E+00	5.2E+01	1E+00	5E-02
Lead	Red-Tailed Hawk	--	--	9.3E-01	2.4E-01	1.2E+00	1.4E-02	8.8E+00	**8E+01**	1E-01
Mercury	Red-Tailed Hawk	--	--	1.1E-02	8.2E-04	1.2E-02	3.9E-02	1.8E-01	3E-01	7E-02
Nickel	Red-Tailed Hawk	--	--	4.6E-01	8.3E-02	5.5E-01	1.4E+00	5.6E+01	4E-01	1E-02
Zinc	Red-Tailed Hawk	--	--	9.9E+00	7.5E-01	1.1E+01	1.7E+01	1.7E+02	6E-01	6E-02
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	9.9E-02	7.0E-03	1.1E-01	9.0E-02	1.3E+00	1E+00	8E-02
Inorganics										
Cobalt	Desert Kit Fox	--	--	2.0E-02	2.0E-02	4.0E-02	1.2E+00	2.0E+01	3E-02	2E-03
Copper	Desert Kit Fox	--	--	7.1E-01	7.8E-01	1.5E+00	2.7E+00	6.3E+02	6E-01	2E-03
Lead	Desert Kit Fox	--	--	4.1E-01	2.2E-01	6.3E-01	1.0E+00	2.4E+02	6E-01	3E-03
Mercury	Desert Kit Fox	--	--	5.0E-03	7.3E-04	5.8E-03	2.5E-01	4.0E+00	2E-02	1E-03
Nickel	Desert Kit Fox	--	--	2.1E-01	7.4E-02	2.8E-01	1.3E-01	3.2E+01	**2E+00**	9E-03
Thallium	Desert Kit Fox	--	--	9.5E-03	2.4E-03	1.2E-02	4.8E-01	1.4E+00	2E-02	8E-03
Zinc	Desert Kit Fox	--	--	4.4E+00	6.7E-01	5.1E+00	9.6E+00	4.1E+02	5E-01	1E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	1.3E-03	1.3E-03	5.0E+01	1.5E+02	3E-05	9E-06
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	1.0E-02	1.0E-02	1.3E+00	3.3E+01	8E-03	3E-04
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	4.4E-02	6.2E-03	5.0E-02	3.6E-01	1.3E+00	1E-01	4E-02
Inorganics										
Cobalt	Nelson's Desert Bighorn Sheep	2.1E-03	--	--	8.2E-02	8.4E-02	8.8E-01	1.5E+01	1E-01	6E-03
Copper	Nelson's Desert Bighorn Sheep	3.7E-01	--	--	3.3E+00	3.6E+00	1.7E+00	4.6E+02	**2E+00**	8E-03
Lead	Nelson's Desert Bighorn Sheep	7.5E-02	--	--	9.1E-01	9.8E-01	7.3E-01	1.5E+02	1E+00	6E-03
Mercury	Nelson's Desert Bighorn Sheep	4.3E-03	--	--	3.0E-03	7.4E-03	1.8E-01	2.9E+00	4E-02	3E-03
Nickel	Nelson's Desert Bighorn Sheep	3.8E-02	--	--	3.1E-01	3.5E-01	9.7E-02	2.3E+01	**4E+00**	2E-02
Thallium	Nelson's Desert Bighorn Sheep	1.3E-04	--	--	9.9E-03	1.0E-02	3.5E-01	1.0E+00	3E-02	1E-02
Zinc	Nelson's Desert Bighorn Sheep	2.4E+00	--	--	2.8E+00	5.2E+00	6.0E+00	3.0E+02	9E-01	2E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	4.2E-03	--	--	5.5E-03	9.7E-03	3.6E+01	1.1E+02	3E-04	9E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	2.3E-02	--	--	4.2E-02	6.5E-02	8.2E-01	2.1E+01	8E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	8.6E-04	--	--	2.6E-02	2.7E-02	2.3E-01	8.1E-01	1E-01	3E-02

See Notes and Abbreviations following Table BCW/AOC4-C.4.

Table BCW+AOC4-C Table Notes
Notes for Terrestrial Wildlife Risk Calculations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

a Dioxin presented in ng/kg.

b Total dose equation is presented below:

$$\text{Total Dose (mg/kg-day)} = [(EPC^{soil} \times SIR) + (C^{plants} \times FIR \times F^{plants}) + (C^{insects} \times FIR \times F^{insects}) + (C^{mammals} \times FIR \times F^{mammals})] \times SUF$$

c HQ = Total Dose / TRV

Abbreviations:

AOC = area of concern
BCW = Bat Cave Wash
BTAG = Biological Technical Assistance Group
COPEC = constituent of potential ecological concern
dw = dry weight
EPC^{soil} = exposure point concentration in soil (mg/kg dw)
EPC^{plants} = exposure point concentration in plants (mg/kg dw)
$EPC^{insects}$ = exposure point concentration in insects (mg/kg dw)
$EPC^{mammals}$ = exposure point concentration in mammals (mg/kg dw)
F^{plants} = fraction of plants in diet
$F^{insects}$ = fraction of insects in diet
$F^{mammals}$ = fraction of mammals in diet
FIR = food ingestion rate (kg dw/kg bw-day)
HQ = hazard quotient (unitless)
kg = kilogram
kg dw/kg bw-day = kilograms per kilogram of body weight per day
LOAEL = lowest observed adverse effect level (mg/kg-day)
m = maximum detected concentration
mg/kg = milligrams per kilogram
mg/kg-day = milligrams per kilogram per day
ND = not detected
ng/kg = nanograms per kilogram
NOAEL = no observed adverse effect level (mg/kg-day)
SIR = soil ingestion rate (kg dw/kg bw-day)
SUF = site use factor (fraction)
TRV = toxicity reference value (mg/kg-day)

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Appendix OCSxBCW+AOC4
Soil HHERA for Outside the Compressor Station Excluding BCW and AOC 4 Exposure Area

ARCADIS Design & Consultancy for natural and built assets

Pacific Gas and Electric Company

APPENDIX OCSxBCW+AOC4 SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW AND AOC 4 EXPOSURE AREA

Topock Compressor Station
Needles, California

October 2019

APPENDIX OCSxBCW+AOC4
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW and AOC 4 EXPOSURE AREA

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SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW and AOC 4 EXPOSURE AREA

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APPENDIX OCSxBCW+AOC4
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW and AOC 4 EXPOSURE AREA

FIGURE

OCSxBCW+AOC4-1.1 Soil Sampling Locations for Exposure Areas Outside the Compressor Station Excluding BCW and AOC 4

ATTACHMENTS

A Dataset and Exposure Point Concentration Calculations for the OCS Excluding BCW and AOC 4 HHERA

B Dose and Risk Calculations for Ecological Receptors at OCS Excluding BCW and AOC 4 Using Depth-Weighted EPCs

C Dose and Risk Calculations for Ecological Receptors at OCS Excluding BCW and AOC 4 Using Maximum Depth-Weighted EPCs

ACRONYMS AND ABBREVIATIONS

AOC	area of concern
Arcadis	Arcadis U.S., Inc.
B(a)PEQ	benzo(a)pyrene equivalent
BCW	Bat Cave Wash
bgs	below ground surface
BTAG	Biological Technical Assistance Group
BTEX	benzene, toluene, ethylbenzene, and xylene
BTV	background threshold value
CH2M HILL	CH2M
COPEC	constituent of potential ecological concern
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DTSC	Department of Toxic Substances Control
EcoSSL	Ecological Soil Screening Level
EPC	exposure point concentration
ERA	ecological risk assessment
FOD	frequency of detection
ft	foot/feet
HHRA	human health risk assessment
HMW	high molecular weight
HQ	hazard quotient
I-40	Interstate 40
LOAEL	lowest-observed adverse effects level
LOE	line of evidence
LMW	low molecular weight
mg/kg	milligram per kilogram
mg/kg-bw/day	mg/kg body weight per day
ng/kg	nanogram per kilogram
NOAEL	no-observed adverse effects level

APPENDIX OCSxBCW+AOC4
SOIL HHERA FOR OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW and AOC 4 EXPOSURE AREA

OCS	outside the compressor station
ORNL	Oak Ridge National Laboratory
PA	perimeter area
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
RAWP	Human Health and Ecological Risk Assessment Work Plan
RCRA	Resource Conservation and Recovery Act
RFI/RI	RCRA Facility Investigation/Remedial Investigation
SD	storm drain
SUF	site use factor
SVOC	semi-volatile organic compound
SWMU	solid waste management unit
TCS	Topock Compressor Station
T&E	threatened and endangered
TEQ	toxicity equivalent
TPH	total petroleum hydrocarbon
TRV	toxicity reference value
UA	undesignated area
UCL	upper confidence limit
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
WOE	weight of evidence

1 INTRODUCTION

This appendix presents the ecological risk assessment (ERA) for the combined areas of concern (AOCs) potential exposure area located outside the Topock Compressor Station (TCS) in Needles, California, excluding Bat Cave Wash (BCW) and AOC 4. The AOCs/potential exposure areas evaluated in this appendix consist of combined AOCs 9, 10, 11, 12, 14, 27, 28 (a, b, c), and 31, and Undesignated Area (UA-) 2/300B. The combined AOCs outside the compressor station (OCS) excluding BCW and the AOC 4 potential exposure area (referred to hereafter as the OCSxBCW+AOC4 potential exposure area), shown on Figure OCSxBCW+AOC4-1.1, is approximately 18 acres in total and includes sample locations shown in Table OCSxBCW+AOC4-1.1 of this appendix.

For this potential exposure area, available soil data from the OCSxBCW+AOC4 potential exposure area were used to conduct a quantitative ERA for the large home-range receptors: red-tailed hawk, desert kit fox, and Nelson's desert bighorn sheep. This appendix summarizes site use, data evaluation, potential receptors, potential exposure pathways, and the results of the ERA risk characterization for soil in the OCSxBCW+AOC4 potential exposure area. Tables and figures specific to this potential exposure area are also presented in this appendix. To enable comparison of the OCSxBCW+AOC4 potential exposure area to the OCS potential exposure area, the constituents of potential ecological concern (COPECs) selected for the OCS potential exposure area were used as the basis for COPECs in the OCSxBCW+AOC4 potential exposure area. A human health risk assessment (HHRA) was not conducted for the OCSxBCW+AOC4 soil potential exposure area; human exposures to soil in these areas are evaluated in the OCS excluding the BCW potential exposure area (see Appendix OCSxBCW).

The ERA methodologies are provided in the Soil Human Health and Ecological Risk Assessment Report for the TCS (the "main report") in accordance with the final Human Health and Ecological Risk Assessment Work Plan (RAWP) documents (Arcadis U.S., Inc. [Arcadis] 2008, 2009, 2015) and are not repeated in this appendix. Discussions of the historical uses of the TCS site and sampling and analysis activities are presented in the main report, as well.

1.1 Summary of Site Use

The OCSxBCW+AOC4 potential exposure area consists of AOCs 9, 10, 11, 12, 14, 27, 28 (a, b, c), and 31, and UA-2/300B. The background and summary of site use for each AOC/potential exposure area included as part of the OCSxBCW+AOC4 are presented in the respective AOC/potential exposure area appendices and are not repeated herein.

2 DATA EVALUATION AND COPEC SELECTION

This section summarizes the data considered for the OCSxBCW+AOC4 ERA and presents the COPECs selected for the OCSxBCW+AOC4 potential exposure area.

All soil sampling locations at OCSxBCW+AOC4 are presented on Figure OCSxBCW+AOC4-1.1 and in Table OCSxBCW+AOC4-1.1. Although location RR-1 falls outside the potential exposure area boundary for AOC 14, data from this sampling location were included in the AOC 14 potential exposure area and, thus, in the OCSxBCW+AOC4 dataset because they were collected to support site characterization for this AOC (and will be discussed in the forthcoming Draft Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation [RFI/RI] Report Volume 3, currently being prepared by Jacobs). The data were evaluated based on methodology described in the RAWP documents (Arcadis 2008, 2009, 2015). Details of the soil sampling and analysis will be presented in the forthcoming Draft RFI/RI Report Volume 3 (currently being prepared by Jacobs). For the OCSxBCW+AOC4 potential exposure area, soil data from 0 to 6 feet (ft) below ground surface (bgs) were included in the baseline scenario evaluated in the ERA. Because potential soil contact does not extend below 6 ft bgs, deeper soil data (i.e., greater than 6 ft bgs) were excluded from the risk evaluation, as noted in Table OCSxBCW+AOC4-1.1.

Following the steps outlined in Section 3 of the main report, soil data considered usable for the risk assessment were identified and used in the quantitative ERA. For the OCSxBCW+AOC4 potential exposure area, all available soil data are presented in Attachment OCSxBCW+AOC4-A1. Soil data for the OCSxBCW+AOC4 potential exposure area includes samples collected from AOCs 9, 10, 11, 12, 14, 27, 28 (a, b, c), and 31, solid waste management unit (SWMU) 1, and UA-2/300B. Additionally, samples from 14 perimeter area (PA) locations (PA-05 through PA-13, PA-18 through PA-21, and PA-23), and 19 storm drain (SD) locations (SD-01 through SD-06, SD-08 through SD-13, SD-11A, SD-20 through SD-23, SD-27, and SD-OS37) were evaluated as part of this potential exposure area.

For the OCSxBCW+AOC4 potential exposure area, soil data are available from 790 samples, of which soil data from 616 samples collected from 0 to 6 ft bgs were considered for use in the ERA (i.e., data from 174 samples collected at depths greater than 6 ft bgs were excluded from the baseline evaluations) as noted in Table OCSxBCW+AOC4-1.1.

Within this dataset, some samples did not meet data quality criteria; therefore, nondetected results were rejected with an “R” data qualifier (and will be discussed in the forthcoming Draft RFI/RI Report Volume 3, currently being prepared by Jacobs). This occurred for the following samples: all polycyclic aromatic hydrocarbons (PAHs) in one sample (AOC11e-6-6172); 1,2,3,7,8-pentachlorodibenzofuran results in one sample (SD-11-02) in the AOC 11 potential exposure area dataset; four organic compounds (2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, benzoic acid, and hexachlorocyclopentadiene) in a single sample (AOC14-20-8138) in the AOC 14 potential exposure area dataset; and all Aroclors except Aroclor 1254 in one sample (AOC9-18-4111) in which most Aroclor data were rejected (except for Aroclor 1254) in the AOC 9 potential exposure area dataset.

Data processed for the ERA (e.g., calculation of total concentrations for low molecular weight [LMW] and high molecular weight [HMW] PAHs, benzo(a)pyrene equivalent [B(a)PEQ], polychlorinated biphenyls [PCBs], and dioxin/furan toxicity equivalents [TEQ]) are described in detail in Section 3 of the main report.

The process for identifying COPECs included in the ERA is detailed in Section 3.4 of the main report. To enable comparison of the OCSxBCW+AOC4 potential exposure area to the OCS potential exposure area, the COPECs selected for the OCS potential exposure area were used as the basis for COPECs in the OCSxBCW+AOC4 potential exposure area. COPECs were selected for these two potential exposure areas using soil data encompassing all relevant exposure depths for the OCS HHERA (i.e., 0 to 10 ft bgs for OCS) as presented in Appendix OCS (Attachment OCS-A1). Inorganics, LMW PAHs, HMW PAHs, and dioxin TEQ were above background levels in the OCS dataset and, therefore, are included as COPECs in the OCSxBCW+AOC4 ERA. All other detected organic constituents in the OCSxBCW+AOC4 evaluation are included as COPECs in the ERA. COPECs selected for exposure depths and scenarios evaluated in the ERA for the OCSxBCW+AOC4 potential exposure area are summarized in Tables OCSxBCW+AOC4-2.1a through OCSxBCW+AOC4-2.1c for the three soil depth intervals included in the baseline evaluations (i.e., surface, shallow, and subsurface I soil). The selected COPECs are discussed further in Section 5 of this appendix.

3 EXPOSURE POINT CONCENTRATIONS

Depth-weighted and area-weighted exposure point concentrations (EPCs) for COPECs in soil at the OCSxBCW+AOC4 potential exposure area were calculated as described in Section 4.2 of the main report. For the OCSxBCW+AOC4 potential exposure area, one scenario was evaluated: baseline (no scouring).

The following exposure depths were evaluated:

1. Surface soil (0 to 0.5 ft bgs)
2. Shallow soil (0 to 3 ft bgs)
3. Subsurface I soil (0 to 6 ft bgs).

For the ERA, consistent with evaluation of potential exposure areas for large home receptors described in the RAWP documents (Arcadis 2008, 2009, 2015), scouring was not evaluated for the OCSxBCW+AOC4 potential exposure area.

The depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment OCSxBCW+AOC4-A2. The summary statistics for the OCSxBCW+AOC4 potential exposure area soil depth-weighted datasets and depth-weighted EPCs were calculated consistent with the RAWP documents (Arcadis 2008, 2009, 2015). Per the RAWP, area-weighted EPCs are evaluated only if depth-weighted EPCs suggest potential risk to ecological receptors (i.e., hazard quotient [HQ] > 1 for any COPEC). For the OCSxBCW+AOC4 potential exposure area, area-weighted EPCs were not deemed necessary for the ERA based on the risk estimates using depth-weighted EPCs and, therefore, were not calculated.

Soil summary statistics for constituents measured at the OCSxBCW+AOC4[1] potential exposure area and depth-weighted EPCs for COPECs calculated using depth-weighted data from the exposure depths listed above are presented in Table OCSxBCW+AOC4-3.1.

[1] The list of constituents shown in the Section 3 tables is based on analytes that were detected at least once at the site (including all exposure areas inside or outside the TCS) and measured at OCSxBCW+AOC4.

4 HUMAN HEALTH RISK ASSESSMENT

A human health risk assessment was not conducted for the OCSxBCW+AOC4 soil potential exposure area. As noted above, the OCSxBCW+AOC4 is evaluated for human exposures as part of the OCS excluding BCW potential exposure area. Risk estimates for potential human receptors exposed to soils in the OCSxBCW+AOC4 can be found in Appendix OCSxBCW.

5 ECOLOGICAL RISK ASSESSMENT

This section summarizes the ERA approach; presents the COPECs, EPCs, dose and risk tables for the OCSxBCW+AOC4 potential exposure area ERA; and characterizes potential risk to potential ecological receptors exposed to COPECs in soil at the OCSxBCW+AOC4 potential exposure area. Details of the overall ERA approach are presented in Section 6 of the main report. Supporting tables are presented in Attachment OCSxBCW+AOC4-B and described below.

Per the RAWP documents (Arcadis 2008, 2009, 2015) and California Department of Toxic Substances Control (DTSC) guidance (1996), ecological risks were also calculated using maximum depth-weighted concentrations and are presented in Attachment OCSxBCW+AOC4-C. Risks estimated using maximum depth-weighted concentrations are considered overly conservative and generally used for screening level purposes. Maximum concentrations are not recommended for making risk management decisions at OCSxBCW+AOC4, where the area has been adequately characterized and data are available to estimate upper confidence limits (UCLs). Therefore, the risk results based on maximum depth-weighted concentrations are not discussed in this section but are presented in Attachment OCSxBCW+AOC4-C.

5.1 Ecological Conceptual Site Model

Following the steps outlined in Section 6.6 and Figures 2-7 and 6-1 of the main report, risks were estimated for potentially complete and significant exposure pathways identified for the following potential large home-range receptors exposed to COPECs in soil at the OCSxBCW+AOC4 potential exposure area:

- **Mammals** – may be exposed to COPECs via incidental ingestion of surface, shallow, or subsurface I soil (for burrowing animals) and/or ingestion of biota tissue (i.e., food items). The large home range mammalian indicator receptors evaluated in this ERA for the OCSxBCW+AOC4 potential exposure area included:
    - **Desert Kit Fox** – representative of carnivorous large home range mammal populations, exposed to surface, shallow and/or subsurface I soil (incidental) and exposed to only surface soil (through biota uptake). Threatened and endangered (T&E) carnivorous/omnivorous large home-range mammals have not been observed in the OCSxBCW+AOC4 potential exposure area.
    - **Nelson's Desert Bighorn Sheep** – representative of herbivorous large home range mammal populations exposed to surface, shallow and/or subsurface I soil (incidental ingestion and through biota uptake).
- **Birds** – may be exposed to COPECs via incidental ingestion of surface, shallow, or subsurface I soil and/or ingestion of biota tissue (i.e., food items). The large home-range bird indicator receptor evaluated in this ERA for the OCSxBCW+AOC4 potential exposure area included:
    - **Red-Tailed Hawk** – representative of carnivorous bird populations, exposed only to surface soil (incidental ingestion and through biota uptake).

Exposure pathways considered incomplete or insignificant were not quantitatively evaluated; these exposure pathways are identified and described in Section 6.3 of the main report.

Potential plants, soil invertebrates, and small home-range receptors (Merriam's kangaroo rat, desert shrew, cactus wren, and Gambel's quail) were evaluated for smaller potential exposure areas (individual AOCs/potential exposure areas) and are discussed in those specific appendices.

5.1.1 Evaluation of Special-Status Species

The biological setting for the site and the adjacent areas are described in detail in various reports (see Section 2.4 of the main report). Although potential habitat exists for special-status[2] species at or near the site, none have been recorded as observed at the OCSxBCW+AOC4 potential exposure area.

Based on the discussions presented in the 2017 Floristic Survey Report (CH2M HILL [CH2M] 2017), the primary vegetation present at the OCSxBCW+AOC4 potential exposure area is sparse creosote bush (*Larrea tridentate).* Other species of terrestrial plants are present but limited to smaller areas and are discussed in the individual potential exposure area appendices and are not repeated here. No federal- or state-listed T&E plants or candidates for listing were found at the Topock site, including the OCSxBCW+AOC4 potential exposure area. Many other plant species have the potential to be present at the site and several species of plants have been observed during surveys (CH2M 2013, 2017). Plant species observed in the Action Area and/or within the Topock site during the March 2017 pre-construction survey and reported in the 2017 Floristic Report (CH2M 2017) are presented in Tables 2-1 and 2-3 of the main report.

Several species of mammals and birds have been observed at or near the site (Tables 2-2 and 2-4 of the main report). However, no federal- or state-listed T&E wildlife species or candidates for listing were observed at the OCSxBCW+AOC4 potential exposure area.

Nelson's desert bighorn sheep are not a protected species but were quantitatively evaluated in this ERA at the request of the U.S. Department of the Interior. As discussed in the special-status species memo (CH2M 2015; DTSC 2018), surveys indicate potential suitable habitat for these species are available onsite in areas within California to the south of Interstate 40 (I-40) including BCW, the East Ravine, surrounding uplands, and the floodplain. Although site use by bighorn sheep cannot be excluded, it is likely limited by existing human activity at the TCS and near I-40 to the north. The site has relatively poor historical floodplain habitat that is dominated by large thickets of tamarisk that are generally dense, mono-specific stands, with little herbaceous vegetation. Because the project area foothills, uplands, and floodplain habitats are only expected to be used for foraging or transit. However, the area east/southeast of the site and along the Colorado River offers higher quality habitat and is where desert bighorn sheep have been observed during the summer or drought months.

5.2 Constituents of Potential Ecological Concern

To enable comparison of the OCSxBCW+AOC4 potential exposure area, the COPECs selected for the OCS potential exposure area were used as the basis for selection of COPECs for the OCSxBCW+AOC4 potential exposure area. COPECs for the OCS and OCSxBCW+AOC4 were selected in accordance with the RAWP (Arcadis 2008) and as described in Section 3.4 of the main report. Soil data encompassing all relevant

[2] Special-status species include state- and federal-listed fully protected T&E species, state and federal species of concern, and traditionally culturally significant plants; however, protection at the no-observed adverse effects level (NOAEL) is warranted only for fully protected species.

exposure depths for the OCS ERA (i.e., 0 to 10 ft bgs for OCS) and used in the COPEC selection process are presented in Appendix OCS (Attachment OCS-A1). Inorganics, PAHs, and dioxin/furans were selected as COPECs based on the background screening conducted for the OCS potential exposure area, as described in Section 2. All other detected organic constituents in OCSxBCW+AOC4 soil are included as COPECs in the ERA. Because a potential ecological receptor could be exposed to COPECs at various exposure depths either directly and/or through their diet for a given scenario, a single comprehensive COPEC list was selected based on the range of soil depths encountered by potential ecological receptors in the baseline exposure scenario. Additionally, essential nutrients (such as calcium and potassium) and analytes typically measured to evaluate geochemical conditions (such as chloride, nitrate, and sulfate), are not typically evaluated in ERAs and were not selected as COPECs. COPECs for the three exposure depths evaluated for the baseline scenario for this ERA are summarized in Table OCSxBCW+AOC4-5.1.

For the OCSxBCW+AOC4 potential exposure area, COPECs included nine inorganics (antimony, hexavalent chromium, total chromium, copper, cyanide, lead, mercury, thallium, and zinc), volatile organic compounds (VOCs; bromomethane, chloromethane, chloroform, and methyl acetate), semivolatile organic compounds (SVOCs; 4-methylphenol, bis (2-ethylhexyl) phthalate, and isophorone), LMW PAHs, HMW PAHs, pesticides (4,4-dichlorodiphenyltrichloroethane [4,4-DDT], 4,4-dichlorodiphenyldichloroethylene [4,4-DDE], alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, and dioxin TEQ. Total petroleum hydrocarbons (TPHs) were also identified as COPECs; however, due to lack of appropriate toxicity values to evaluate TPH for ecological receptors, indicator chemicals (e.g., benzene, toluene, ethylbenzene, and xylene [BTEX] and PAHs), when detected, are used to characterize TPH risks. COPECs lacking toxicity values and their impact to the ERA are discussed in Section 6.7.5 of the main report.

5.3 Exposure Point Concentration Summary

For the potentially complete and significant exposure pathways identified in the ecological conceptual site model, soil EPCs were calculated as described in Section 4.2 of the main report and presented in Section 3 of this appendix.

For the OCSxBCW+AOC4 potential exposure area, risks to potential ecological receptors were estimated using depth-weighted EPCs. Depth-weighted data used in the calculation of depth-weighted EPCs are presented in Attachment OCSxBCW+AOC4-A2. As noted above in Section 3, area-weighted EPCs were not deemed necessary for the ERA and, therefore, were not calculated.

Biota tissue EPCs were calculated from the soil EPCs using soil-to-biota uptake relationships for plants, invertebrates, and small mammals, as described in Section 6.4.3 of the main report. As described in Section 6.4 and shown in Figure 6-1 of the main report, the depth intervals selected to represent exposure to soil and biota tissue for the risk calculations for each potential receptor are presented in Table OCSxBCW+AOC4-5.2.

To summarize:

- Carnivorous birds (red-tailed hawk) could potentially be exposed to COPECs in soil and/or biota at the surface (0 to 0.5 ft bgs). Therefore, exposures to carnivorous birds included the depth-weighted soil EPC from 0 to 0.5 ft bgs for incidental soil ingestion and the depth-weighted biota EPC from 0 to 0.5 ft bgs for dietary exposure (estimated using the surface soil depth-weighted EPC and soil-to-mammal bioaccumulation factor/model).

- Carnivorous mammals (desert kit fox) could potentially be exposed to COPECs in soil down to 6 ft bgs and COPECs in biota at the surface (0 to 0.5 ft bgs). Therefore, exposures to carnivorous mammals included the maximum of the depth-weighted soil EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for incidental soil ingestion and the depth-weighted biota EPC from 0 to 0.5 ft bgs for dietary exposure (estimated using the surface soil depth-weighted EPC and soil-to-mammal bioaccumulation factor/model).
- Herbivorous mammals (Nelson's desert bighorn sheep) could potentially be exposed to COPECs in soil and biota down to 6 ft bgs. Therefore, exposures to herbivorous mammals included the maximum of the depth-weighted soil and biota EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for incidental soil ingestion and the maximum of the depth-weighted soil and biota EPC from 0 to 0.5, 0 to 3, and 0 to 6 ft bgs for dietary exposure (estimated using the selected soil depth-weighted EPC and soil-to-plant uptake factor/model).

Depth-weighted soil EPCs and biota tissue EPCs calculated from depth-weighted soil EPCs are presented in Table OCSxBCW+AOC4-5.3 and the representative soil and/or biota EPCs identified for the baseline risk calculations are bolded in this table. Of the COPECs identified at the OCSxBCW+AOC4 potential exposure area for the baseline scenario, thallium and VOCs (bromomethane, chloromethane, chloroform, and methyl acetate) were not detected in surface soil; therefore, exposure to these COPECs by potential receptors only exposed to surface soil (carnivorous birds) were not estimated. Although VOCs were detected in shallow and subsurface I soil, uptake into biota is considered negligible (assumed to be zero for the risk calculations[3]); therefore, exposure to VOCs through diet is considered incomplete. As such, for carnivorous mammals (desert kit fox), risks from VOCs were estimated quantitatively only from incidental soil ingestion and not from ingestion of biota.

Per the RAWP (Arcadis 2008) and DTSC guidance (1996), risk calculations based on both the maximum depth-weighted concentration and the UCL for each COPEC are required. As mentioned earlier in this section, using the maximum depth-weighted concentrations results in overly conservative risks and is not recommended for supporting risk management decisions. The estimated risks based on maximum depth-weighted concentrations are presented in Attachment OCSxBCW+AOC4-C but results are not discussed in this report.

5.4 Estimation of Exposure Concentration or Dose

Exposures for wildlife (mammals and birds) are quantified as doses (e.g., in units of milligrams per kilogram body weight per day [mg/kg-bw/day]). Exposure concentrations and doses for COPECs in soil and potentially complete pathways were calculated as described, including equations, in Section 6.4 of the main report. The exposure parameters selected to evaluate wildlife in this ERA include upper bound values from literature (e.g., ingestion rates) or assumed (e.g., 100% of one type of diet), which may result in conservative estimates of exposure dose and potential overestimation of actual exposure at the site.

For wildlife, doses were calculated using the exposure parameters and equations presented in Section 6.4 of the main report. Depth-weighted soil and biota tissue EPCs for COPECs at the OCSxBCW+AOC4 are presented in Table OCSxBCW+AOC4-5.3 for the depth-weighted risk evaluations. Dose calculations using depth-weighted EPCs for wildlife potentially exposed to COPECs via ingestion of soil and biota tissue for the

[3] VOCs have low bioaccumulation potential (octanol-water partition coefficient is low [log Kow < 2]) and uptake into biota is considered negligible for these constituents.

baseline scenario are presented in Attachment OCSxBCW+AOC4-B. Based on the risk estimates using depth-weighted EPCs, area-weighted EPCs were not necessary for the OCS potential exposure area ERA. Dose calculations using maximum depth-weighted concentrations for wildlife potentially exposed to COPECs via ingestion of soil and biota tissue for the baseline scenario are presented in Attachment OCSxBCW+AOC4-C.

5.5 Effects Assessment

Dose-based toxicity reference values (TRVs) for wildlife for COPECs were used to estimate risks to potential ecological receptors potentially exposed to COPECs in soil and biota tissue at the OCSxBCW+AOC4 potential exposure area. TRVs are discussed in Section 6.5 and presented in Tables 6-7 through 6-10 of the main report.

A range of risks to wildlife were estimated using the NOAEL-based TRVs and lowest-observed adverse effects level (LOAEL)-based TRVs presented in the RAWP documents (Arcadis 2008, 2009, 2015). These selected TRVs were primarily based on the TRVs used to develop the U.S. Environmental Protection Agency (USEPA) Ecological Soil Screening Levels (EcoSSLs; USEPA 2008); other sources included the Toxicological Benchmarks for Wildlife from Oak Ridge National Laboratory (ORNL; Sample et al. 1996) and USEPA Region 6 ERA Guidance (1999). In addition, for estimating potential risk to wildlife, a second set of NOAEL- and LOAEL-TRVs[4] based on the Navy/Biological Technical Assistance Group (BTAG) TRVs (DTSC 2002, 2009) were also used for COPECs, where available. Wildlife TRVs based on selected TRVs and BTAG TRVs are presented in the main report Tables 6-7 and 6-8, respectively. TRVs based on allometric conversions, when warranted, are presented in main report Tables 6-9 and 6-10, respectively.

TRVs are not available for antimony, bromomethane, chloromethane, chloroform, methyl acetate, 4-methylphenol, and isophorone for birds; TRVs are not available for bromomethane, chloromethane, 4-methylphenol, and isophorone for mammals. However, VOCs were not detected in surface soil, and exposure to these COPECs by potential receptors only exposed to surface soil (carnivorous birds) were not estimated. In addition, appropriate TRVs are not available for TPH; therefore, PAHs were used as indicator chemicals to characterize TPH risks (BTEX were not detected). The lack of TRVs and the impact to the ERA are discussed in Section 6.7.5 of the main report.

5.6 Ecological Risk Characterization

The risk characterization integrates the results of the exposure assessment and effects assessment and is subject to uncertainties in both of those efforts. Risk characterization includes two major components: risk estimation and risk description. As presented in tables and discussed below, risk estimates (i.e., HQs) involved integrating exposure profiles with the exposure-effects information. For each potential receptor and COPEC, risk descriptions including various lines of evidence (LOEs) and uncertainties, including HQs, supporting statistical and site use information, and the direction of uncertainty in the risk estimates, are discussed below for interpreting the risk results and identifying potential unacceptable risk to potential ecological receptors. Uncertainties specific to the OCSxBCW+AOC4 potential exposure area are discussed in

[4] Although these are referred to as LOAEL-based BTAG TRVs, they are based on a midpoint of a variety of adverse effects and are not necessarily lowest observed adverse effect levels. However, for simplicity, these BTAG TRVs are referred to as LOAEL-based TRVs.

context with the risk characterization results presented below. Generic uncertainties in the ERA are discussed in detail in Section 6.7 of the main report.

For wildlife, a range of HQs were calculated using NOAEL- and LOAEL-based TRVs previously identified in the RAWP documents (Arcadis 2008, 2009, 2015). HQs based on LOAEL-based TRVs selected in the RAWP are referred to as "LOAEL-based HQs." HQs based on NOAEL-based TRVs selected in the RAWP are referred as "NOAEL-based HQs." Additionally, NOAEL- and LOAEL-based HQs were calculated using a second set of TRVs (i.e., NOAEL- and LOAEL-based BTAG TRVs), as described in Section 6.5 of the main report. The BTAG NOAEL-based TRVs are considered very conservative, resulting in a wide range of risks to wildlife. For this ERA, the selected TRVs are considered more robust than the BTAG TRVs, as discussed in Section 6.5 of the main report. Results associated with the selected TRVs are recommended for risk management decisions at the OCSxBCW+AOC4 potential exposure area.

Following USEPA guidance (1998), the estimated HQs were evaluated using a semi-quantitative weight-of-evidence (WOE) approach and multiple LOEs to reduce uncertainty in drawing risk conclusions. Risk conclusions for wildlife used the following criteria:

- COPECs with NOAEL-based HQs less than or equal to 1 pose *de minimis* risk (i.e., negligible risk) to individuals and populations of potential wildlife receptors.
- COPECs with a NOAEL-based HQ greater than 1 but LOAEL-based HQ less than or equal to 1 pose no unacceptable risks to wildlife populations. However, as described in the RAWP (Arcadis 2008), unacceptable risk to individuals are uncertain because the NOAEL-based TRVs are thresholds with an interval that is an artifact of the dosing study, and the nature and magnitude of the effects, if any, that may occur at exposures between these values is unknown. In such cases, a WOE approach, including multiple LOEs, were used in reducing uncertainty for characterizing potential risk to individual potential wildlife receptors.
- COPECs with LOAEL-based HQs greater than 1 indicate unacceptable risk is possible for populations of potential wildlife receptors. However, these LOAEL-based HQs greater than 1 are based on individual-level effects thresholds and only account for a single LOE. In such cases, a WOE approach was used in reducing uncertainty for characterizing potential risk to wildlife populations at the OCSxBCW+AOC4 potential exposure area, as described in the above bullet.
- NOAEL-based HQs greater than 1 is considered one LOE in assessing potential risk to sensitive species if present in this potential exposure area. Evaluation of T&E species for the OCSxBCW+AOC4 potential exposure area is presented in Section 5.1.1.

Ultimately, three risk outcomes are possible for wildlife based on the HQs greater than 1 and WOE: (1) unacceptable risk to individual wildlife is possible (i.e., indicated by sufficient and strong supporting LOEs); (2) unacceptable risk to individual wildlife is unlikely (i.e., indicated by sufficient and strong LOE supporting a conclusion of no unacceptable risk); or (3) unacceptable risk to individual wildlife is uncertain (i.e., indicated by insufficient LOE).

For this ERA, the results of individual LOE evaluations were evaluated collectively to derive an overall WOE conclusion for each potential receptor. Key uncertainties were considered along with the strength, relevance, and other qualities of the LOE in reaching the WOE conclusions.

Evaluations for the OCSxBCW+AOC4 potential exposure area were completed using depth-weighted EPCs, as discussed in this section.

In these evaluations, risk calculations were completed for all COPECs, as presented in Tables OCSxBCW+AOC4-5.4a and OCSxBCW+AOC4-5.4b. Based on the risks estimated using depth-weighted EPCs, evaluation of the baseline scenario using area-weighted EPCs is not necessary and, therefore, is not presented. At the conclusion of the baseline scenario evaluation, risk drivers were identified based on those COPECs for which unacceptable population-level risk was predicted using the most refined exposure and effects assumptions (i.e., site-specific site use factor [SUF], area-weighted EPCs, and selected TRVs).

5.6.1 Risk Characterization (Baseline Scenario and Depth-Weighted EPCs)

Risk estimates for large home range wildlife (mammals and birds) for the baseline scenario using depth-weighted EPCs are summarized in this section. As mentioned earlier in Section 5.4, exposure concentrations and doses for COPECs in soil and potentially complete pathways were calculated as described, including equations, in Section 6.4 of the main report. Detailed risk calculations for wildlife (Tables OCSxBCW+AOC4-B.1 through OCSxBCW+AOC4-B.4) are presented in Attachment OCSxBCW+AOC4-B. COPECs identified at OCS for the baseline scenario include nine inorganics (antimony, hexavalent chromium, total chromium, copper, cyanide, lead, mercury, thallium, and zinc), PAHs, TPHs, VOCs (bromomethane, chloromethane, chloroform, and methyl acetate), SVOCs (4-methylphenol, bis [2-ethylhexyl] phthalate, and isophorone), pesticides (4,4-DDT, 4,4-DDE, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, and dioxin TEQ (Table OCSxBCW+AOC4-5.1). Potential risk to potential receptors exposed to these COPECs is described below.

5.6.1.1 Large Home Range Mammals

For the OCSxBCW+AOC4 potential exposure area, risks were estimated for large home range mammals using depth-weighted EPCs for the following evaluations and discussed in this section:

- Using the selected TRVs and a SUF equal to 1
- Using the BTAG TRVs and a SUF equal to 1
- Using the selected TRVs and a species- and site-specific SUF
- Using the BTAG TRVs and a species- and site-specific SUF.

5.6.1.1.1 Risks Evaluated Using a SUF Equal to 1

Risks Evaluated Using Selected TRVs

Table OCSxBCW+AOC4-5.4a summarizes HQs estimated for large home range mammals at the OCS using the selected TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below. TRVs are not available for TPHs; however, risks to these potential receptors are characterized below based on indicator chemicals as described previously.

- **Desert Kit Fox (carnivorous mammal):** This potential receptor could potentially be exposed to COPECs in subsurface I soil (0 to 6 ft bgs) directly and surface soil (0 to 0.5 ft bgs) through its diet (i.e., uptake into

biota and ingestion of those biota). The NOAEL- and LOAEL-based HQs in soil are less than 1 for all individual COPECs, except 4,4-DDE and dioxin TEQ. The potential risks from COPECs with HQs greater than 1 are characterized below.

- For 4,4-DDE, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous mammals; however, unacceptable risk to individual potential receptors is uncertain for 4,4-DDE based on the HQ. 4,4-DDE was detected in only three of 68 locations in surface soil (frequency of detection [FOD] = 4% in 0 to 0.5 ft bgs) and the EPC was based on the maximum depth-weighted concentration (6.1 milligrams per kilogram [mg/kg]). The magnitude of the HQ is low. For areas where a constituent is largely not detected, use of a maximum concentration as the EPC may not appropriately characterize risk; therefore, potential risk to the fox from exposure to 4,4-DDE is likely overestimated. Unacceptable risk to individual carnivorous mammals from exposure to 4,4-DDE at the OCSxBCW+AOC4 potential exposure area is unlikely in this scenario.
- For dioxin TEQ, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous mammals; however, unacceptable risk to individual potential receptors is uncertain for dioxin TEQ based on the HQ. Dioxin TEQ was frequently detected in surface soil (FOD = 100% in the 0 to 0.5 ft bgs and 0 to 6 ft bgs intervals) with 45 of 73 surface soil locations (0 to 0.5 ft bgs) and 49 of 80 subsurface I soil (0 to 6 ft bgs) locations having depth-weighted concentrations exceeding the background threshold value (BTV; 5.58 nanograms per kilogram [ng/kg]). Concentrations greater than 10 times the BTV are found at 17 locations in surface soil and 23 locations in subsurface I soil. As described in Section 6.7.6 of the main report, the mammalian TRVs (lowest available NOAEL and LOAEL) and uptake factors (bioaccumulation based on a single congener is considered overly conservative) selected for dioxins at this site likely overestimate exposure and risk for this COPEC. As discussed in Section 5.1.1, T&E carnivorous large home range mammals have not been observed in this area. Unacceptable risk to individual carnivorous mammals from exposure to dioxin TEQ at the OCSxBCW+AOC4 potential exposure area is unlikely.
- For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that *de minimis* risk to carnivorous mammals from exposure to TPHs is expected.
- The NOAEL- and LOAEL-based HQs for all other COPECs in soil are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous mammals for these COPECs**.**

- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** This potential receptor could potentially be exposed to COPECs in subsurface I soil (0 to 6 ft bgs) directly and through its diet. The NOAEL- and LOAEL-based HQs in soil are less than 1 for all individual COPECs, except antimony and dioxin TEQ.
  - For antimony, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of herbivorous large home range mammals; however, unacceptable risk to individual receptors are uncertain for antimony based on the HQ. Antimony was detected in only 1 of 178 locations in surface soil (FOD = 1% in 0 to 0.5 ft bgs) and the EPC was based on the maximum depth-weighted concentration (15 mg/kg). The magnitude of the HQ is low. For areas where a constituent is largely not detected, use of a maximum concentration as the EPC may not appropriately characterize risk. Antimony was not detected in the background dataset; therefore, a

BTV could not be developed for comparison. Additionally, there is uncertainty in the TRVs for antimony. The selected LOAEL TRV[5] (0.59 mg/kg-bw/day) is based on the paired value from the selected NOAEL (0.059 mg/kg-bw/day) in a study by Rossi et al. (1987) reported in the EcoSSL guidance (USEPA 2005). Other studies cited in the EcoSSL and ORNL guidance indicate the selected TRVs are the most conservative. ORNL (Sample et al. 1996) reports a LOAEL TRV of 1.25 mg/kg-bw/day. The EcoSSL guidance reports paired LOAEL values ranging from 42 to 835 mg/kg-bw/day, which are orders of magnitudes greater than the selected LOAEL. Potential risk to the bighorn sheep from exposure to antimony is likely overestimated. Unacceptable risk to individual herbivorous large mammals from exposure to antimony at the OCSxBCW+AOC4 potential exposure area is unlikely in this scenario.

- For dioxin TEQ, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of herbivorous large mammals; however, unacceptable risk to individual receptors is uncertain for dioxin TEQ based on the HQ. As noted above for the desert kit fox, dioxin TEQ was frequently detected in surface soil but locations having concentrations greater than 10 times the BTV (5.58 ng/kg) are found only at 17 locations in surface soil (0 to 0.5 ft bgs) and 23 locations in subsurface I soil (0 to 6 ft bgs). As described in Section 6.7.6 of the main report, the mammalian TRVs and uptake factors selected for dioxins at this site likely overestimate exposure and risk for this COPEC. The Nelson's bighorn desert sheep have been observed at the site. Unacceptable risk to individual herbivorous large mammals from exposure to dioxin TEQ at the OCSxBCW+AOC4 potential exposure area is uncertain in this scenario.
- For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and the NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating that no unacceptable risk to herbivorous large mammals from exposure to TPHs are expected.
- The NOAEL- and LOAEL-based HQs for other COPECs in soil are less than 1 for the remaining COPECs, indicating *de minimis* risk to individuals and populations of herbivorous mammals for the remaining COPECs.

Based on the risk estimates and potential uncertainties associated with the baseline risk from 4,4-DDE and dioxin TEQ for carnivorous mammals, and antimony and dioxin TEQ for herbivorous large mammals, these COPECs were further evaluated using site-specific SUFs as discussed below.

Risks Evaluated Using the BTAG TRVs

Table OCSxBCW+AOC4-5.4a also summarizes HQs estimated for large home-range mammals at the OCSxBCW+AOC4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below.

[5] Values before allometric adjustments for Nelson's desert bighorn sheep.

- **Desert Kit Fox (carnivorous mammal):** The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individual receptors and populations of carnivorous large home-range mammals.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, indicating *de minimis* risk to individual receptors and populations of herbivorous large home-range mammals.

Summarized below are all HQ estimates for mammals for COPECs where at least one NOAEL-based HQ value (using the selected TRV or BTAG TRV) is greater than 1:

Hazard Quotient Summary for Large Home Range Mammals (SUF = 1)								
	Desert Kit Fox				Nelson's Desert Bighorn Sheep			
COPEC	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Antimony	7E-01	7E-02	--	--	**2E+00**	2E-01	--	--
4,4-DDE	**3E+00**	5E-01	5E-01	2E-02	5E-04	1E-04	8E-05	4E-06
TEQ Mammals	**1E+01**	1E+00	--	--	**2E+00**	2E-01	--	--

Notes:
Bold indicates HQs > 1.
-- = HQ not estimated because TRVs are unavailable.

5.6.1.1.2 Risks Evaluated Using a Site-Specific SUF

Risks Evaluated Using Selected TRVs

Table OCSxBCW+AOC4-5.4b presents HQs calculated using the selected TRVs and BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below.

- **Desert Kit Fox (carnivorous mammal):** The site-specific SUF for this receptor is 0.006 which reduced the NOAEL- and LOAEL-based HQs for 4,4-DDE and dioxin TEQ to less than 1. *De minimis* risk to individuals and populations of carnivorous mammals is expected when accounting for site use at the OCSxBCW+AOC4 potential exposure area.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The site-specific SUF for this receptor is 0.01 which further reduced the NOAEL- and LOAEL-based HQs below 1. *De minimis* risk to individuals and populations of herbivorous mammals is expected when accounting for site use at the OCSxBCW+AOC4 potential exposure area.

Risks Evaluated Using the BTAG TRVs

Table OCSxBCW+AOC4-5.4b also summarizes HQs estimated for mammals at the OCSxBCW+AOC4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF.

Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below.

- **Desert Kit Fox (carnivorous mammal):** The site-specific SUF for this potential receptor further reduced the NOAEL- and LOAEL-based HQs in soil to less than 1, indicating *de minimis* risk to individual receptors and populations of carnivorous mammals.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The site-specific SUF for this potential receptor further reduced the NOAEL- and LOAEL-based HQs in soil to less than 1, indicating *de minimis* risk to individual receptors and populations of herbivorous mammals.

For the COPECs with NOAEL-based HQs greater than 1 using a SUF of 1 (using the selected TRV or BTAG TRV), HQ estimates using the species- and site-specific SUF for large home range mammals are summarized below:

Hazard Quotient Summary for Large Home Range Mammals (site-specific SUF)								
	Desert Kit Fox (SUF = 0.006)				Nelson's Desert Bighorn Sheep (SUF = 0.01)			
COPEC	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Antimony	4E-03	4E-04	--	--	2E-02	2E-03	--	--
4,4-DDE	1E-02	3E-03	3E-03	1E-04	7E-06	1E-06	1E-06	6E-08
TEQ Mammals	7E-02	7E-03	--	--	3E-02	3E-03	--	--

Note:
-- = HQ not estimated because TRVs are unavailable.

5.6.1.1.3 Baseline Risk Summary for Large Home Range Mammals Using Depth-Weighted EPCs

To summarize, based on the risks characterized for large home range mammals exposed to COPECs in soil at the OCSxBCW+AOC4 potential exposure area using selected TRVs[6], depth-weighted EPCs, and a site and species-specific SUF, the risk conclusions are discussed below.

- **Desert Kit Fox (carnivorous mammal):** The NOAEL-based and LOAEL-based HQs are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous large home range mammals for all COPECs.
- **Nelson's Desert Bighorn Sheep (herbivorous mammal):** The NOAEL-based and LOAEL-based HQs are less than 1, indicating *de minimis* risk to individuals and populations of herbivorous large home range mammals for all COPECs.

[6] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions and only those results are summarized.

To summarize, based on the risks characterized for populations of large home range mammals exposed to COPECs in soil at the OCSxBCW+AOC4 using selected TRVs, depth-weighted EPCs, and a site and species-specific SUF, the NOAEL-based HQs and LOAEL-based HQs are less than 1 for all COPECs, indicating no unacceptable risk to individual or populations of large home range mammals, including Nelson's desert bighorn sheep, due to exposure to soil at the OCSxBCW+AOC4 potential exposure area. No further evaluation of these potential receptors is required.

Potential Risk Drivers for Large Home Range Mammals at the OCSxBCW+AOC4 Exposure Area

No risk-driving COPECs for large home range mammals were identified at the OCSxBCW+AOC4 potential exposure area as no potential for unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1) was predicted based on HQs calculated using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs[7], and selected TRVs) and additional supporting LOE. Additionally, no COPECs with NOAEL-based HQs greater than 1 using the most refined exposure and effects assumptions and additional LOE supporting the conclusions of unacceptable risk were identified at the OCSxBCW+AOC4 potential exposure area.

5.6.1.2 Large Home Range Birds

For the OCSxBCW+AOC4 potential exposure area, baseline risks were estimated for birds using depth-weighted EPCs for the following evaluations and are discussed in this section:

- Using the selected TRVs and SUF equal to 1
- Using the BTAG TRVs and a SUF equal to 1
- Using the selected TRVs and a species- and site-specific SUF
- Using the BTAG TRVs and a species- and site-specific SUF.

5.6.1.2.1 Risks Evaluated Using a SUF Equal to 1

Risks Evaluated Using Selected TRVs

Table OCSxBCW+AOC4-5.4a summarizes HQs estimated for large home range birds (i.e., red-tailed hawk) at the OCSxBCW+AOC4 potential exposure area using the selected TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for this potential receptor are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** This potential receptor could potentially be exposed to COPECs in surface soil (0 to 0.5 ft bgs) directly and through its diet. NOAEL- and LOAEL-based HQs in soil are less than 1 for all COPECs, except 4,4-DDE. TRVs are not available for TPH; however, risks to this receptor is characterized below based on indicator chemicals as described previously.
    - For 4,4-DDE, the NOAEL-HQ is greater than 1 and the LOAEL-based HQ is less than 1, indicating no unacceptable risk to populations of carnivorous birds; however, unacceptable risk to individual

[7] Evaluation of area-weighted EPCs is not warranted for these receptors.

receptors is uncertain for 4,4-DDE based on the HQ. 4,4-DDE was detected in only 3 of 68 locations in surface soil (FOD = 4% in 0 to 0.5 ft bgs). The magnitude of the HQ is low. Potential risk to the hawk from exposure to 4,4-DDE is likely overestimated. T&E carnivorous large home range birds have not been observed in this area (see Section 5.1.1). Unacceptable risk to carnivorous birds from exposure to 4,4-DDE at the OCSxBCW+AOC4 potential exposure area is unlikely.

- For TPH mixtures, concentrations of the individual constituents do not pose an unacceptable risk. BTEX were not detected in any samples and the NOAEL- and LOAEL-based HQs for PAHs are less than 1, indicating *de minimis* risk to carnivorous birds from exposure to TPH is expected.
- The NOAEL- and LOAEL-based HQs for all other COPECs in soil are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for these COPECs**.**

Based on the risk estimates and potential uncertainties associated with the baseline risk for 4,4-DDE for carnivorous birds, this COPEC was further evaluated site-specific SUFs as discussed below.

Risks Evaluated Using the BTAG TRVs

Table OCSxBCW+AOC4-5.4a summarizes HQs estimated for large home range birds at the OCS excluding BCW and AOC4 potential exposure area using the BTAG TRVs, depth-weighted EPCs, and a SUF equal to 1. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** The NOAEL-based HQs for lead, 4,4-DDT, and 4,4-DDE are greater than 1 and the LOAEL-based HQs are less than or equal to 1, indicating no unacceptable risk to populations of carnivorous birds; however, unacceptable risk to individual receptors is uncertain for these COPECs based on the HQs. The risks from lead are likely overestimated due to the conservative avian TRV. The risks from 4,4-DDT and 4,4-DDE are likely overestimated due to the depth-weighted EPCs based on the maximum depth-weighted concentration in surface soil. Uncertainties associated with the BTAG TRVs are discussed in Section 6.7.5 of the main report. The NOAEL- and LOAEL-based HQs for other COPECs in soil are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for the remaining COPECs.

Summarized below are all HQ estimates for birds for COPECs where at least one NOAEL-based HQ value (using the selected TRV or BTAG TRV) is greater than 1:

COPEC	Red-Tailed Hawk (SUF =1)			
	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Lead	3E-01	2E-01	**4E+01**	6E-02
4,4-DDE	**4E+00**	4E-01	**9E+01**	1E+00
4,4-DDT	1E-01	1E-02	**3E+00**	2E-02

Note:
Bold indicates HQs > 1.

5.6.1.2.2 Risks Evaluated Using a Site-Specific SUF

Risks Evaluated Using Selected TRVs

Table OCSxBCW+AOC4-5.4b presents HQs calculated using the selected TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for red-tailed hawk are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** The site-specific SUF for this potential receptor is 0.007 which reduced the NOAEL- and LOAEL-based HQs to less than 1 for all COPECs. D*e minimis* risk to individual receptors and populations of carnivorous birds is expected when accounting for site use at the OCSxBCW+AOC4 potential exposure area.

Risks Evaluated Using the BTAG TRVs

Table OCSxBCW+AOC4-5.4b also summarizes HQs estimated for large home range birds at the OCSxBCW+AOC4 using the BTAG TRVs, depth-weighted EPCs, and a species- and site-specific SUF. Using these assumptions, the NOAEL- and LOAEL-based HQs for each potential receptor are summarized below.

- **Red-Tailed Hawk (carnivorous bird):** The site-specific SUF for this potential receptor is 0.007 which reduced the NOAEL HQs for lead, 4,4-DDE, and 4,4-DDT to less than 1. *De minimis* risk to individual receptors and populations of carnivorous birds is expected when accounting for site use at the OCSxBCW+AOC4 potential exposure area.

For the COPECs with NOAEL-based HQs greater than 1 using a SUF of 1 (using the selected TRV or BTAG TRV), HQ estimates using the species- and site-specific SUF for red-tailed hawk are summarized below:

COPEC	Red-Tailed Hawk (SUF = 0.007)			
	Selected NOAEL TRVs	Selected LOAEL TRVs	BTAG NOAEL TRVs	BTAG LOAEL TRVs
Lead	2E-03	1E-03	3E-01	5E-04
4,4-DDE	3E-02	3E-03	7E-01	1E-02
4,4-DDT	1E-03	1E-04	3E-02	2E-04

Note:
Bold indicates HQs > 1.

5.6.1.2.3 Baseline Risk Summary for Large Home Range Birds Using Depth-Weighted EPCs

To summarize, based on the risks characterized for populations of large home range birds exposed to COPECs in soil at the OCSxBCW+AOC4 using selected TRVs[8], depth-weighted EPCs, and a site-specific SUF, the risk conclusions are as follows:

[8] Results associated with BTAG TRVs are presented and discussed in the ERA; however, the selected TRVs are recommended for risk management decisions and only those results are summarized.

- **Red-Tailed Hawk (carnivorous bird):** The NOAEL- and LOAEL-based HQs for all COPECs are less than 1, indicating *de minimis* risk to individuals and populations of carnivorous birds for all COPECs.

Based on the risks characterized for populations of large home range birds exposed to COPECs in soil at the OCSxBCW+AOC4 potential exposure area using selected TRVs, depth-weighted EPCs, and a site and species-specific SUF, the NOAEL-based HQs and LOAEL-based HQs are less than 1 for all COPECs, indicating *de minimis* risk to individual or populations of birds due to exposure to soil at the OCSxBCW+AOC4 potential exposure area. No further evaluation of this potential receptor is required.

Potential Risk Drivers for Large Home Range Birds at the OCSxBCW+AOC4 Exposure Area

No risk-driving COPECs for large home range birds were identified at the OCSxBCW+AOC4 potential exposure area as no potential for unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1) was predicted based on HQs calculated using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs[9], and selected TRVs) and additional supporting LOE. Additionally, no COPECs with NOAEL-based HQs greater than 1 using the most refined exposure and effects assumptions and additional LOE supporting the conclusions of unacceptable risk were identified at the OCSxBCW+AOC4 potential exposure area.

[9] Evaluation of area-weighted EPCs is not warranted for these receptors.

6 SUMMARY AND CONCLUSIONS FOR THE ERA

Potential cumulative cancer risks and noncancer hazards for potential human receptors were not estimated for the OCSxBCW+AOC4 potential exposure area, as this area is evaluated as part of the OCS excluding BCW potential exposure area (Appendix OCSxBCW). For potential ecological receptors, potential risks were estimated as presented in Section 5 of this appendix. Uncertainties related to the ERAs at the site are discussed in detail in Section 6.7 of the main report, and uncertainties specific to OCSxBCW+AOC4 are discussed in this appendix. For the OCSxBCW+AOC4 potential exposure area, an ERA was conducted per the RAWP documents (Arcadis 2008, 2009, 2015). One scenario (baseline [no scouring]) was evaluated, and risks were estimated for various receptors using depth-weighted EPCs. Risks based on depth- weighted EPCs did not suggest potential risk to ecological receptors (i.e., HQs were less than or equal to 1 for all COPECs); therefore, risks based on area-weighted EPCs were not necessary. Three large home range wildlife receptors (red-tailed hawk, desert kit fox, and Nelson's desert bighorn sheep) were evaluated for exposure to COPECs in the OCSxBCW+AOC4 potential exposure area.

At the OCSxBCW+AOC4 potential exposure area, inorganics (antimony, hexavalent chromium, total chromium, copper, cyanide, lead, mercury, thallium, and zinc), VOCs (bromomethane, chloromethane, chloroform, and methyl acetate), SVOCs (4-methylphenol, bis [2-ethylhexyl] phthalate, and isophorone), LMW PAHs, HMW PAHs, pesticides (4,4-DDT, 4,4-DDE, alpha-chlordane, dieldrin, and gamma-chlordane), PCBs, dioxin TEQ, and TPHs were identified as COPECs. Risks could not be estimated for potential receptors lacking available TRVs for COPECs; such cases are discussed in the uncertainty analysis of the main report. These COPECs are unlikely to be risk drivers and are assumed to have minimal impact to the conclusions of the ERA.

Risks were estimated using depth-weighted EPCs. Evaluation of area-weighted EPCs was not necessary based on the results of the depth-weighted EPC evaluation. Risk conclusions were based on the following criteria:

- COPECs with NOAEL-based HQs less than or equal to 1 pose *de minimis* risk to potential wildlife receptors.
- COPECs with NOAEL-based HQs greater than 1 but LOAEL-based HQs less than or equal to 1 pose no unacceptable risks to wildlife populations; however, potential for unacceptable risk to individuals is uncertain based on the HQ. A WOE approach was used to characterize potential risk to individual potential receptors.
- COPECs with LOAEL-based HQs greater than 1 pose possible unacceptable risk to populations of potential wildlife receptors.

The risk estimates (i.e., HQs) represent a single LOE in the risk characterization. A qualitative WOE approach incorporating other LOEs and uncertainties was used to characterize risk to wildlife populations at the OCSxBCW+AOC4 potential exposure area. HQs for all the COPECs for the baseline scenario calculated using depth-weighted EPCs, selected TRVs, and site- and species-specific SUFs are summarized in Table OCSxBCW+AOC4-6.1. The LOAEL HQs based on depth-weighted EPCs were less than one for desert kit fox, Nelson's desert bighorn sheep, and red-tailed hawk. The various LOE considered in the WOE assessment and risk conclusions are presented in Table OCSxBCW+AOC4-6.2.

Based on the ecological risk characterization for the OCSxBCW+AOC4 potential exposure area, using depth-weighted EPCs, selected TRVs, and site- and species-specific SUFs, the following conclusions were made.

6.1.1 Mammals

Overall, no unacceptable risks to populations of large home range mammals exposed to COPECs in soil are expected. *De minimis* risk to carnivorous mammals (represented by the desert kit fox) and herbivorous mammals (represented by Nelson's desert bighorn sheep) is expected from exposure to COPECs in soil based on NOAEL-based and LOAEL-based HQs less than 1 for all COPECs.

No large home range T&E species have been observed in this area. Concentrations of COPECs at the OCSxBCW+AOC4 potential exposure area do not pose unacceptable risk to individual potential receptors.

6.1.2 Birds

Overall, no unacceptable risks to populations of large home range birds exposed to COPECs in soil are expected. *De minimis* risk to carnivorous birds (represented by the red-tailed hawk) is expected from exposure to COPECs in soil based on NOAEL- and LOAEL-based HQs less than 1 for all COPECs.

T&E birds with large home ranges have not been observed in OCSxBCW+AOC4. No unacceptable risk to individual potential receptors exposed to COPECs in soil at the OCSxBCW+AOC4 potential exposure area are expected.

6.1.3 Potential Risk Drivers for OCSxBCW+AOC4 Exposure Area

As presented in Table OCSxBCW+AOC4-6.2 and summarized in the table below, no risk drivers were identified for the OCSxBCW+AOC4 potential exposure area based on unacceptable population-level risk (i.e., LOAEL-based HQs greater than 1 for mammals and birds) predicted from HQs calculated using the most refined exposure and effects assumptions (i.e., site-specific SUF, depth-weighted EPCs, and selected TRVs) and additional LOE supporting the conclusion of unacceptable risk.

Scenario	Potential Receptors and Risk Drivers at the OCSxBCW+AOC4 Exposure Area		
	Carnivorous Mammals (Desert Kit Fox)	Herbivorous Mammals (Nelson's Desert Bighorn Sheep)	Carnivorous Birds (Red-Tailed Hawk)
Baseline	None	None	None

7 REFERENCES

Arcadis. 2008. Human Health and Ecological Risk Assessment Work Plan, Topock Compressor Station, Needles, California. August.

Arcadis. 2009. Revised Addendum to the Revised Human Health and Ecological Risk Assessment Work Plan (August 2008), Topock Compressor Station, Needles, California. February.

Arcadis. 2015. Final Human Health and Ecological Risk Assessment Work Plan Addendum 2. Topock Compressor Station, Needles, California. June.

CH2M. 2013. Final Soil RCRA Facility Investigation/Remedial Investigation Work Plan. PG&E Topock Compressor Station, Needles, California. January.

CH2M. 2015. Assessment of Potential Impacts to Four Special-Status Species for Soil Environmental Impact Report Investigation and Final Groundwater Remedy Areas, Topock Compressor Station, California. February.

CH2M. 2017. Topock Groundwater Remediation Project Pre-Construction Floristic Survey Report – Spring 2017. Prepared for PG&E. October. DTSC. 1996. Guidance for Ecological Risk Assessment at Hazardous Waste Sites and Permitted Facilities. Part A and B. July.

DTSC. 2002. USEPA Region 9 BTAG Recommended Toxicity Reference Values for Mammals (Revision Date 11/21/2002). Human and Ecological Risk Division.

DTSC. 2009. USEPA Region 9 BTAG Recommended Toxicity Reference Values for Birds (Revision Date 02/24/09). Human and Ecological Risk Division.

DTSC. 2018. Statement of Decision and Resolution of Approval for the Pacific Gas and Electric Company, Topock Compressor Station Final Groundwater Remediation Project Subsequent Environmental Impact Report. April 24.

Rossi, F., R. Acampora, C. Vacca, S. Maione, M. G. Matera, R. Servodio, and E. Marmo. 1987. Prenatal and postnatal antimony exposure in rats: effect on vasomotor reactivity development of pups. Teratog. Carcinog. Mutagen. 7(5): 491-496.

Sample, B. E., D. M. Opresko, and G. W. Suter II. 1996. Toxicological Benchmarks for Wildlife. Prepared for the U.S. Department of Energy Office of Environmental Management by ORNL. June.

USEPA. 1998. Guidelines for Ecological Risk Assessment. EPA/630/R-95/002F. May.

USEPA. 1999. Region 6 Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities: Appendix E Toxicity Reference Values. August.

USEPA. 2005. Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens. EPA/630/R-03/003F. March.

USEPA. 2008. Guidance for Developing Ecological Soil Screening Levels, Interim Final Eco-SSL Documents. Available at: https://rais.ornl.gov/guidance/epa_eco.html.

TABLES

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
#10	04/06/00	#10	0	3	0.5	0-0.5	--
#11	04/06/00	#11	0	3	0.5	0-0.5	--
#12	04/06/00	#12	0	3	0.5	0-0.5	--
#4	04/06/00	#4	0	3	0.5	0-0.5	--
#5	04/06/00	#5	0	3	0.5	0-0.5	--
#6	04/06/00	#6	0	3	0.5	0-0.5	--
#7	04/06/00	#7	0	3	0.5	0-0.5	--
#8	04/06/00	#8	0	3	0.5	0-0.5	--
#9	04/06/00	#9	0	3	0.5	0-0.5	--
24soil-01	01/31/08	24soil-01	2.5	3	3	0-03	--
24soil-02	01/31/08	24soil-02	2.5	3	3	0-03	--
300a-09-1000	04/06/11	AOC28-OS1	0	0.5	0.5	0-0.5	--
300a-09-1001	04/06/11	AOC28-OS1	2.5	3	3	0-03	--
300a-09-1002	04/06/11	AOC28-OS1	5.5	6	6	0-06	--
300a-09-1003	04/06/11	AOC28-OS1	9	9.5	9.5	0-10	Excluded from ERA (> 6 ft bgs)
300a-31-1020	04/06/11	AOC10-OS4	6.5	7	7	0-10	Excluded from ERA (> 6 ft bgs)
300a-31-1021	04/06/11	AOC10-OS4	6.5	7	7	0-10	Excluded from ERA (> 6 ft bgs)
300a-33-1030	04/06/11	AOC10-OS3	5	5.5	5.5	0-06	--
300a-34-1040	04/06/11	AOC10-OS2	0	0.5	0.5	0-0.5	--
300a-34-1041	04/06/11	AOC10-OS2	2.5	3	3	0-03	--
300a-34-1043	04/06/11	AOC10-OS2	5.5	6	6	0-06	--
300a-36-1-1050	04/06/11	AOC10-OS1	0	0.5	0.5	0-0.5	--
300a-36-1-1051	04/06/11	AOC10-OS1	2.5	3	3	0-03	--
300a-36-1-1052	04/06/11	AOC10-OS1	5.5	6	6	0-06	--
300a-36-1-1053	04/06/11	AOC10-OS1	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
300a-36-1-1054	04/06/11	AOC10-OS1	11	11.5	11.5	NE	Excluded from ERA (> 6 ft bgs)
300b-103-1080	04/06/11	AOC11g-OS1	0	0.5	0.5	0-0.5	--
300b-103-1081	04/06/11	AOC11g-OS1	2.5	3	3	0-03	--
300b-103-1082	04/06/11	AOC11g-OS1	5.5	6	6	0-06	--
300b-103-1083	04/06/11	AOC11g-OS1	8.5	9	9	0-10	Excluded from ERA (> 6 ft bgs)
300B-1-10001	09/23/08	UA2-300B-1	0	0.5	0.5	0-0.5	--
300B-1-10002	09/23/08	UA2-300B-1	0.5	1	1	0-03	--
300B-1-10003	10/23/08	UA2-300B-1	2.5	3	3	0-03	--
300B-1-10004	10/23/08	UA2-300B-1	5.5	6	6	0-06	--
300b-17-1070	04/06/11	AOC28-OS2	0	0.5	0.5	0-0.5	--
300b-17-1071	04/06/11	AOC28-OS2	2.5	3	3	0-03	--
300b-17-1072	04/06/11	AOC28-OS2	5.5	6	6	0-06	--
300b-17-1073	04/06/11	AOC28-OS2	8.5	9	9	0-10	Excluded from ERA (> 6 ft bgs)
300B-2-10005	10/03/08	UA2-300B-2	0	0.5	0.5	0-0.5	--
300B-2-10006	10/03/08	UA2-300B-2	0.5	1	1	0-03	--
300B-2-10007	10/03/08	UA2-300B-2	2	3	3	0-03	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
300B-3-10009	10/03/08	UA2-300B-3	0	0.5	0.5	0-0.5	--
300B-3-10010	10/03/08	UA2-300B-3	0.5	1	1	0-03	--
300B-3-10011	10/03/08	UA2-300B-3	0.5	1	1	0-03	--
300B-3-10012	10/03/08	UA2-300B-3	2	3	3	0-03	--
300B-3-10013	10/03/08	UA2-300B-3	5	6	6	0-06	--
300b-40-1090	04/06/11	PA-OS1	0	0.5	0.5	0-0.5	--
300b-40-1091	04/06/11	PA-OS1	2.5	3	3	0-03	--
300b-40-1092	04/06/11	PA-OS1	5.5	6	6	0-06	--
300b-40-1093	04/06/11	PA-OS1	9	9.5	9.5	0-10	Excluded from ERA (> 6 ft bgs)
300B-4-10014	10/03/08	UA2-300B-4	0	0.5	0.5	0-0.5	--
300B-4-10015	10/03/08	UA2-300B-4	0.5	1	1	0-03	--
300B-4-10016	10/03/08	UA2-300B-4	2	3	3	0-03	--
300B-5-10018	10/03/08	UA2-300B-5	0	0.5	0.5	0-0.5	--
300B-5-10019	10/03/08	UA2-300B-5	0.5	1	1	0-03	--
300B-5-10020	10/03/08	UA2-300B-5	2	3	3	0-03	--
AOC10-10-5200	01/22/16	AOC10-10	0	1	0.5	0-0.5	--
AOC10-10-5201	01/22/16	AOC10-10	2	3	3	0-03	--
AOC10-10-5202	01/22/16	AOC10-10	5	6	6	0-06	--
AOC10-10-5203	01/22/16	AOC10-10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-10-5204	01/22/16	AOC10-10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-11-5205	01/22/16	AOC10-11	0	1	0.5	0-0.5	--
AOC10-11-5206	01/22/16	AOC10-11	0	1	0.5	0-0.5	--
AOC10-11-5207	01/22/16	AOC10-11	2	3	3	0-03	--
AOC10-11-5208	01/22/16	AOC10-11	5	6	6	0-06	--
AOC10-11-5209	01/22/16	AOC10-11	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-12-5210	01/22/16	AOC10-12	0	0.5	0.5	0-0.5	--
AOC10-12-5211	01/22/16	AOC10-12	2	3	3	0-03	--
AOC10-12-5212	01/22/16	AOC10-12	5	6	6	0-06	--
AOC10-12-5213	01/22/16	AOC10-12	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-13-5214	12/03/15	AOC10-13	0	1	0.5	0-0.5	--
AOC10-13-5215	12/03/15	AOC10-13	0	1	0.5	0-0.5	--
AOC10-14-5216	12/03/15	AOC10-14	0	1	0.5	0-0.5	--
AOC10-1-5001	10/02/08	AOC10-1	0	0.5	0.5	0-0.5	--
AOC10-1-5002	10/02/08	AOC10-1	2	3	3	0-03	--
AOC10-1-5003	10/02/08	AOC10-1	5	6	6	0-06	--
AOC10-1-5004	10/02/08	AOC10-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-15-5217	12/15/15	AOC10-15	0	1	0.5	0-0.5	--
AOC10-15-5218	12/15/15	AOC10-15	0	1	0.5	0-0.5	--
AOC10-15-5219	12/15/15	AOC10-15	2	3	3	0-03	--
AOC10-15-5220	12/15/15	AOC10-15	5	6	6	0-06	--
AOC10-15-5221	12/15/15	AOC10-15	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-16-5222	12/15/15	AOC10-16	0	1	0.5	0-0.5	--
AOC10-16-5223	12/15/15	AOC10-16	2	3	3	0-03	--
AOC10-16-5224	12/15/15	AOC10-16	5	6	6	0-06	--
AOC10-16-5225	12/15/15	AOC10-16	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-17-5226	12/03/15	AOC10-17	0	1	0.5	0-0.5	--
AOC10-18-5227	12/06/15	AOC10-18	0	1	0.5	0-0.5	--
AOC10-18-5228	12/06/15	AOC10-18	2	3	3	0-03	--
AOC10-19-5262	02/24/16	AOC10-19	0	1	0.5	0-0.5	--
AOC10-19-5263	02/24/16	AOC10-19	2	3	3	0-03	--
AOC10-19-5264	02/24/16	AOC10-19	2	3	3	0-03	--
AOC10-19-5265	02/24/16	AOC10-19	5	6	6	0-06	--
AOC10-20-5247	02/17/16	AOC10-20	0	0.5	0.5	0-0.5	--
AOC10-20-5248	02/25/16	AOC10-20	2	3	3	0-03	--
AOC10-21-5251	02/25/16	AOC10-21	0	0.5	0.5	0-0.5	--
AOC10-21-5252	02/25/16	AOC10-21	2	3	3	0-03	--
AOC10-22-5254	02/17/16	AOC10-22	0	0.5	0.5	0-0.5	--
AOC10-22-5255	02/17/16	AOC10-22	1	2	2	0-03	--
AOC10-22-5256	02/17/16	AOC10-22	2	3	3	0-03	--
AOC10-22-5257	02/17/16	AOC10-22	5	6	6	0-06	--
AOC10-23-5258	02/25/16	AOC10-23	0	1	0.5	0-0.5	--
AOC10-23-5259	02/25/16	AOC10-23	2	3	3	0-03	--
AOC10-23-5260	02/25/16	AOC10-23	1	2	2	0-03	--
AOC10-24-5261	03/07/16	AOC10-24	0	1	0.5	0-0.5	--
AOC10-24-5262	03/07/16	AOC10-24	2	3	3	0-03	--
AOC10-2-5005	10/02/08	AOC10-2	0	0.5	0.5	0-0.5	--
AOC10-2-5006	10/02/08	AOC10-2	2	3	3	0-03	--
AOC10-2-5007	10/02/08	AOC10-2	5	6	6	0-06	--
AOC10-2-5008	10/02/08	AOC10-2	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-25-5266	01/08/17	AOC10-25	0	0.5	0.5	0-0.5	--
AOC10-25-5267	01/08/17	AOC10-25	0	0.5	0.5	0-0.5	--
AOC10-25-5268	01/08/17	AOC10-25	2	3	3	0-03	--
AOC10-25-5269	01/08/17	AOC10-25	5	6	6	0-06	--
AOC10-25-5270	01/08/17	AOC10-25	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-26-5271	02/21/17	AOC10-26	0	0.5	0.5	0-0.5	--
AOC10-26-5272	02/21/17	AOC10-26	2	3	3	0-03	--
AOC10-26-5273	02/21/17	AOC10-26	2	3	3	0-03	--
AOC10-26-5274	02/21/17	AOC10-26	4.5	5	5	0-06	--
AOC10-26-Debris	02/21/17	AOC10-26	2.5	2.7	2.7	0-03	--
AOC10-27-5275	01/04/17	AOC10-27	0	0.5	0.5	0-0.5	--
AOC10-27-5276	01/04/17	AOC10-27	2	3	3	0-03	--
AOC10-27-5277	01/04/17	AOC10-27	4	5	5	0-06	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10-3-5009	09/19/08	AOC10-3	0	0.5	0.5	0-0.5	--
AOC10-3-5010	09/19/08	AOC10-3	0	0.5	0.5	0-0.5	--
AOC10-3-5011	09/19/08	AOC10-3	2	3	3	0-03	--
AOC10-3-5012	09/19/08	AOC10-3	5	6	6	0-06	--
AOC10-3-5013	09/19/08	AOC10-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-4-5014	09/19/08	AOC10-4	0	0.5	0.5	0-0.5	--
AOC10-4-5015	09/19/08	AOC10-4	2	3	3	0-03	--
AOC10-4-5016	09/19/08	AOC10-4	5	6	6	0-06	--
AOC10-4-5017	09/19/08	AOC10-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-5-5018	09/19/08	AOC10-5	0	0.5	0.5	0-0.5	--
AOC10-5-5019	09/19/08	AOC10-5	2	3	3	0-03	--
AOC10-5-5020	09/19/08	AOC10-5	5	6	6	0-06	--
AOC10-5-5021	09/19/08	AOC10-5	5	6	6	0-06	--
AOC10-6-5023	09/20/08	AOC10-6	0	0.5	0.5	0-0.5	--
AOC10-6-5024	09/20/08	AOC10-6	2	3	3	0-03	--
AOC10-7-5027	09/20/08	AOC10-7	0	0.5	0.5	0-0.5	--
AOC10-7-5028	09/20/08	AOC10-7	2	3	3	0-03	--
AOC10-7-5029	09/20/08	AOC10-7	5	6	6	0-06	--
AOC10-8-5031	08/22/08	AOC10-8	0	0.5	0.5	0-0.5	--
AOC10-8-5033	08/22/08	AOC10-8	0	0.5	0.5	0-0.5	--
AOC10-9-5229	12/07/15	AOC10-9	0	1	0.5	0-0.5	--
AOC10-9-5230	12/07/15	AOC10-9	2	3	3	0-03	--
AOC10a-1-5036	10/17/08	AOC10a-1	0	0.5	0.5	0-0.5	--
AOC10a-2-5233	01/13/16	AOC10a-2	0	1	0.5	0-0.5	--
AOC10a-2-5234	01/13/16	AOC10a-2	2	3	3	0-03	--
AOC10a-2-5235	01/13/16	AOC10a-2	5	6	6	0-06	--
AOC10a-2-5236	01/13/16	AOC10a-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10a-3-5237	01/13/16	AOC10a-3	0	1	0.5	0-0.5	--
AOC10a-3-5238	01/13/16	AOC10a-3	2	3	3	0-03	--
AOC10a-3-5239	01/13/16	AOC10a-3	5	6	6	0-06	--
AOC10a-3-5240	01/13/16	AOC10a-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10a-4-5278	01/08/17	AOC10a-4	0	0.5	0.5	0-0.5	--
AOC10a-4-5279	01/08/17	AOC10a-4	2	3	3	0-03	--
AOC10a-4-5280	01/08/17	AOC10a-4	5	6	6	0-06	--
AOC10a-4-5281	01/08/17	AOC10a-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10b-1-5040	09/30/08	AOC10b-1	0	0.5	0.5	0-0.5	--
AOC10b-1-5041	09/30/08	AOC10b-1	2	3	3	0-03	--
AOC10b-1-5042	09/30/08	AOC10b-1	2	3	3	0-03	--
AOC10b-1-5043	09/30/08	AOC10b-1	5	6	6	0-06	--
AOC10b-1-5044	09/30/08	AOC10b-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10b-2-5045	09/30/08	AOC10b-2	0	0.5	0.5	0-0.5	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10b-2-5046	09/30/08	AOC10b-2	2	3	3	0-03	--
AOC10b-2-5047	09/30/08	AOC10b-2	5	6	6	0-06	--
AOC10b-2-5048	09/30/08	AOC10b-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10b-3-5049	09/30/08	AOC10b-3	0	0.5	0.5	0-0.5	--
AOC10b-3-5050	10/01/08	AOC10b-3	2	3	3	0-03	--
AOC10b-3-5051	10/01/08	AOC10b-3	5	6	6	0-06	--
AOC10b-3-5052	10/01/08	AOC10b-3	5	6	6	0-06	--
AOC10b-3-5053	10/01/08	AOC10b-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10b-4-5054	09/30/08	AOC10b-4	0	0.5	0.5	0-0.5	--
AOC10b-4-5055	09/30/08	AOC10b-4	2	3	3	0-03	--
AOC10b-4-5056	09/30/08	AOC10b-4	5	6	6	0-06	--
AOC10b-4-5057	09/30/08	AOC10b-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10c-1-5058	10/01/08	AOC10c-1	0	0.5	0.5	0-0.5	--
AOC10c-1-5059	10/01/08	AOC10c-1	2	3	3	0-03	--
AOC10c-1-5060	10/01/08	AOC10c-1	5	6	6	0-06	--
AOC10c-1-5061	10/01/08	AOC10c-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10c-2-5062	10/01/08	AOC10c-2	0	0.5	0.5	0-0.5	--
AOC10c-2-5063	10/01/08	AOC10c-2	2	3	3	0-03	--
AOC10c-2-5064	10/01/08	AOC10c-2	2	3	3	0-03	--
AOC10c-2-5065	10/01/08	AOC10c-2	5	6	6	0-06	--
AOC10c-2-5066	10/01/08	AOC10c-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10c-3-5067	10/02/08	AOC10c-3	0	0.5	0.5	0-0.5	--
AOC10c-3-5068	10/02/08	AOC10c-3	2	3	3	0-03	--
AOC10c-3-5069	10/02/08	AOC10c-3	2	3	3	0-03	--
AOC10c-3-5070	10/02/08	AOC10c-3	5	6	6	0-06	--
AOC10c-3-5071	10/02/08	AOC10c-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10c-4-5072	10/01/08	AOC10c-4	0	0.5	0.5	0-0.5	--
AOC10c-4-5073	10/01/08	AOC10c-4	2	3	3	0-03	--
AOC10c-4-5074	10/01/08	AOC10c-4	5	6	6	0-06	--
AOC10c-4-5075	10/01/08	AOC10c-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10c-5-5076	10/01/08	AOC10c-5	0	0.5	0.5	0-0.5	--
AOC10c-5-5077	10/01/08	AOC10c-5	2	3	3	0-03	--
AOC10c-5-5078	10/01/08	AOC10c-5	5	6	6	0-06	--
AOC10c-5-5079	10/01/08	AOC10c-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10c-6-5241	01/21/16	AOC10c-6	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC10c-6-5242	01/22/16	AOC10c-6	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC10c-6-5247	01/22/16	AOC10c-6	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC10c-6-5248	01/22/16	AOC10c-6	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
AOC10c-6-5249	01/22/16	AOC10c-6	40	50	50	NE	Excluded from ERA (> 6 ft bgs)
AOC10c-6-5250	01/22/16	AOC10c-6	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
AOC10d-1-5080	09/18/08	AOC10d-1	0	0.5	0.5	0-0.5	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC10d-1-5081	09/18/08	AOC10d-1	2	3	3	0-03	--
AOC10d-1-5082	09/18/08	AOC10d-1	5	6	6	0-06	--
AOC10d-1-5083	09/18/08	AOC10d-1	5	6	6	0-06	--
AOC10d-1-5084	09/18/08	AOC10d-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10d-2-5085	09/17/08	AOC10d-2	0	0.5	0.5	0-0.5	--
AOC10d-2-5086	09/17/08	AOC10d-2	2	3	3	0-03	--
AOC10d-2-5087	09/17/08	AOC10d-2	5	6	6	0-06	--
AOC10d-2-5088	09/17/08	AOC10d-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10d-3-5089	09/17/08	AOC10d-3	0	0.5	0.5	0-0.5	--
AOC10d-3-5090	09/18/08	AOC10d-3	2	3	3	0-03	--
AOC10d-3-5091	09/18/08	AOC10d-3	5	6	6	0-06	--
AOC10d-3-5092	09/18/08	AOC10d-3	5	6	6	0-06	--
AOC10d-3-5093	09/18/08	AOC10d-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10d-4-5094	09/18/08	AOC10d-4	0	0.5	0.5	0-0.5	--
AOC10d-4-5095	09/18/08	AOC10d-4	2	3	3	0-03	--
AOC10d-4-5096	09/18/08	AOC10d-4	5	6	6	0-06	--
AOC10d-4-5097	09/18/08	AOC10d-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10d-9-5243	12/15/15	AOC10d-9	0	1	0.5	0-0.5	--
AOC10d-9-5244	12/15/15	AOC10d-9	2	3	3	0-03	--
AOC10d-9-5245	12/15/15	AOC10d-9	5	6	6	0-06	--
AOC10d-9-5246	12/15/15	AOC10d-9	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC10-XRF-01-5098	08/25/08	AOC10-XRF-01	0	0.5	0.5	0-0.5	--
AOC10-XRF-02-5099	08/25/08	AOC10-XRF-02	0	0.5	0.5	0-0.5	--
AOC10-XRF-03-5100	08/25/08	AOC10-XRF-03	0	0.5	0.5	0-0.5	--
AOC10-XRF-10-5107	09/21/08	AOC10-XRF-10	3	4	4	0-06	--
AOC11-1-6100	01/05/16	AOC11-1	0	1	0.5	0-0.5	--
AOC11-1-6101	01/05/16	AOC11-1	0	1	0.5	0-0.5	--
AOC11-1-6102	01/05/16	AOC11-1	2	3	3	0-03	--
AOC11-1-6103	01/05/16	AOC11-1	5	6	6	0-06	--
AOC11-1-6104	01/05/16	AOC11-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-2-6105	01/05/16	AOC11-2	0	1	0.5	0-0.5	--
AOC11-2-6106	01/05/16	AOC11-2	2	3	3	0-03	--
AOC11-2-6107	01/05/16	AOC11-2	5	6	6	0-06	--
AOC11-2-6108	01/05/16	AOC11-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-2-6109	01/05/16	AOC11-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-3-6110	01/05/16	AOC11-3	0	1	0.5	0-0.5	--
AOC11-3-6111	01/05/16	AOC11-3	2	3	3	0-03	--
AOC11-3-6112	01/05/16	AOC11-3	5	6	6	0-06	--
AOC11-3-6113	01/05/16	AOC11-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-3-6114	01/05/16	AOC11-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-4-6115	01/05/16	AOC11-4	0	1	0.5	0-0.5	--

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Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11-4-6116	01/05/16	AOC11-4	2	3	3	0-03	--
AOC11-4-OS1-D1	06/11/14	AOC11-4-OS1	0	0	0	0-0.5	--
AOC11-4-OS1-D2	06/11/14	AOC11-4-OS1	2	3	3	0-03	--
AOC11-4-OS3-D1	06/11/14	AOC11-4-OS3	0	0	0	0-0.5	--
AOC11-4-OS3-D2	06/11/14	AOC11-4-OS3	2	3	3	0-03	--
AOC11-4-OS3-D99	06/11/14	AOC11-4-OS3	2	3	3	0-03	--
AOC11-4-OS4-D1	06/11/14	AOC11-4-OS4	0	0	0	0-0.5	--
AOC11-4-OS4-D2	06/11/14	AOC11-4-OS4	2	3	3	0-03	--
AOC11-4-OS4-D3	06/11/14	AOC11-4-OS4	5	6	6	0-06	--
AOC11-4-OS5-D1	06/11/14	AOC11-4-OS5	0	0	0	0-0.5	--
AOC11-4-OS5-D2	06/11/14	AOC11-4-OS5	2	3	3	0-03	--
AOC11-4-OS5-D99	06/11/14	AOC11-4-OS5	5	6	6	0-06	--
AOC11-4-OS6-D1	06/11/14	AOC11-4-OS6	0	0	0	0-0.5	--
AOC11-4-OS6-D2	06/11/14	AOC11-4-OS6	2	3	3	0-03	--
AOC11-5-6119	02/03/16	AOC11-5	0	0.5	0.5	0-0.5	--
AOC11-5-6120	02/03/16	AOC11-5	2	3	3	0-03	--
AOC11-5-6121	02/03/16	AOC11-5	5	6	6	0-06	--
AOC11-5-6122	02/03/16	AOC11-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-6-6123	01/06/16	AOC11-6	0	1	0.5	0-0.5	--
AOC11-6-6124	01/06/16	AOC11-6	2	3	3	0-03	--
AOC11-6-6125	01/06/16	AOC11-6	5	6	6	0-06	--
AOC11-6-6126	01/06/16	AOC11-6	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11-7-6127	01/06/16	AOC11-7	0	1	0.5	0-0.5	--
AOC11-7-6128	01/06/16	AOC11-7	2	3	3	0-03	--
AOC11-7-6129	01/06/16	AOC11-7	5	6	6	0-06	--
AOC11-8-6131	12/06/15	AOC11-8	0	1	0.5	0-0.5	--
AOC11-8-6132	12/06/15	AOC11-8	2	3	3	0-03	--
AOC11-9-6135	12/06/15	AOC11-9	0	1	0.5	0-0.5	--
AOC11-9-6136	12/06/15	AOC11-9	2	3	3	0-03	--
AOC11a-1-6001	09/21/08	AOC11a-1	0	0.5	0.5	0-0.5	--
AOC11a-1-6002	09/21/08	AOC11a-1	2	3	3	0-03	--
AOC11a-1-6003	09/21/08	AOC11a-1	5	6	6	0-06	--
AOC11a-1-6004	09/21/08	AOC11a-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11a-2-6005	09/21/08	AOC11a-2	0	0.5	0.5	0-0.5	--
AOC11a-2-6006	09/21/08	AOC11a-2	2	3	3	0-03	--
AOC11a-2-6007	09/21/08	AOC11a-2	5	6	6	0-06	--
AOC11a-2-6008	09/21/08	AOC11a-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11a-3-6009	09/20/08	AOC11a-3	0	0.5	0.5	0-0.5	--
AOC11a-3-6010	09/20/08	AOC11a-3	2	3	3	0-03	--
AOC11a-3-6011	09/20/08	AOC11a-3	2	3	3	0-03	--
AOC11a-3-6012	09/20/08	AOC11a-3	5	6	6	0-06	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11a-3-6013	09/20/08	AOC11a-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11a-4-6014	09/20/08	AOC11a-4	0	0.5	0.5	0-0.5	--
AOC11a-4-6015	09/20/08	AOC11a-4	2	3	3	0-03	--
AOC11a-4-6016	09/20/08	AOC11a-4	5	6	6	0-06	--
AOC11a-4-6017	09/20/08	AOC11a-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11a-5-6018	09/21/08	AOC11a-5	0	0.5	0.5	0-0.5	--
AOC11a-5-6019	09/21/08	AOC11a-5	2	3	3	0-03	--
AOC11a-5-6020	09/21/08	AOC11a-5	5	6	6	0-06	--
AOC11a-5-6021	09/21/08	AOC11a-5	5	6	6	0-06	--
AOC11a-5-6022	09/21/08	AOC11a-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11a-SS-1-6055	09/21/08	AOC11a-SS1	0	0.5	0.5	0-0.5	--
AOC11a-SS-1-6056	09/21/08	AOC11a-SS1	2	3	3	0-03	--
AOC11a-SS-1-6057	09/21/08	AOC11a-SS1	5	6	6	0-06	--
AOC11a-SS-1-6058	09/21/08	AOC11a-SS1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11a-SS-2-6059	09/21/08	AOC11a-SS2	0	0.5	0.5	0-0.5	--
AOC11a-SS-2-6060	09/21/08	AOC11a-SS2	2	3	3	0-03	--
AOC11a-SS-3-6063	09/20/08	AOC11a-SS3	0	0.5	0.5	0-0.5	--
AOC11a-SS-3-6064	09/20/08	AOC11a-SS3	2	3	3	0-03	--
AOC11a-SS-3-6065	09/20/08	AOC11a-SS3	5	6	6	0-06	--
AOC11a-SS-3-6066	09/20/08	AOC11a-SS3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11b-1-6023	09/17/08	AOC11b-1	0	0.5	0.5	0-0.5	--
AOC11b-1-6024	09/17/08	AOC11b-1	0	0.5	0.5	0-0.5	--
AOC11b-1-6025	09/17/08	AOC11b-1	2	3	3	0-03	--
AOC11b-1-6026	09/17/08	AOC11b-1	5	6	6	0-06	--
AOC11b-1-6027	09/17/08	AOC11b-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11b-2-6028	09/17/08	AOC11b-2	0	0.5	0.5	0-0.5	--
AOC11b-2-6029	09/17/08	AOC11b-2	2	3	3	0-03	--
AOC11b-2-6030	09/17/08	AOC11b-2	5	6	6	0-06	--
AOC11b-2-6031	09/17/08	AOC11b-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11c-1-6032	09/21/08	AOC11c-1	0	0.5	0.5	0-0.5	--
AOC11c-1-6033	09/22/08	AOC11c-1	2	3	3	0-03	--
AOC11c-1-6034	09/22/08	AOC11c-1	2	3	3	0-03	--
AOC11c-1-6035	09/22/08	AOC11c-1	5	6	6	0-06	--
AOC11c-1-6036	09/22/08	AOC11c-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11c-2-6037	09/21/08	AOC11c-2	0	0.5	0.5	0-0.5	--
AOC11c-2-6038	09/22/08	AOC11c-2	2	3	3	0-03	--
AOC11c-2-6039	09/22/08	AOC11c-2	5	6	6	0-06	--
AOC11c-2-6040	09/22/08	AOC11c-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11c-3-6139	02/03/16	AOC11C-3	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC11c-3-6140	02/03/16	AOC11C-3	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC11c-3-6141	02/03/16	AOC11C-3	29	30	30	NE	Excluded from ERA (> 6 ft bgs)

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11c-4-6146	01/28/16	AOC11c-4	0	1	0.5	0-0.5	--
AOC11c-4-6147	01/28/16	AOC11c-4	2	3	3	0-03	--
AOC11c-4-6148	01/28/16	AOC11c-4	5	6	6	0-06	--
AOC11c-4-6149	01/28/16	AOC11c-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11c-4-6150	01/28/16	AOC11c-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11c-4-6151	02/02/16	AOC11c-4	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC11c-4-6152	02/02/16	AOC11c-4	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
AOC11c-SS-1-6067	09/21/08	AOC11c-SS1	0	0.5	0.5	0-0.5	--
AOC11c-SS-1-6068	09/22/08	AOC11c-SS1	2	3	3	0-03	--
AOC11c-SS-1-6069	09/22/08	AOC11c-SS1	5	6	6	0-06	--
AOC11c-SS-1-6070	09/22/08	AOC11c-SS1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11c-SS-2-6071	09/22/08	AOC11c-SS2	0	0.5	0.5	0-0.5	--
AOC11c-SS-2-6072	09/22/08	AOC11c-SS2	2	3	3	0-03	--
AOC11c-SS-2-6073	09/22/08	AOC11c-SS2	5	6	6	0-06	--
AOC11c-SS-2-6074	09/22/08	AOC11c-SS2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11d-1-6041	09/23/08	AOC11d-1	0	0.5	0.5	0-0.5	--
AOC11d-1-6042	09/23/08	AOC11d-1	0	0.5	0.5	0-0.5	--
AOC11d-1-6043	09/23/08	AOC11d-1	2.5	3	3	0-03	--
AOC11d-1-6044	09/23/08	AOC11d-1	5	6	6	0-06	--
AOC11d-1-6045	09/23/08	AOC11d-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11e-1-6046	09/23/08	AOC11e-1	0	0.5	0.5	0-0.5	--
AOC11e-1-6047	09/23/08	AOC11e-1	2.5	3	3	0-03	--
AOC11e-1-6048	09/23/08	AOC11e-1	5.5	6	6	0-06	--
AOC11e-1-6049	09/23/08	AOC11e-1	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11e-2-6050	09/24/08	AOC11e-2	0	0.5	0.5	0-0.5	--
AOC11e-2-6051	09/24/08	AOC11e-2	2	3	3	0-03	--
AOC11e-2-6052	09/24/08	AOC11e-2	2	3	3	0-03	--
AOC11e-2-6053	09/24/08	AOC11e-2	5	6	6	0-06	--
AOC11e-2-6054	09/24/08	AOC11e-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11e-3-6153	01/08/16	AOC11e-3	0	1	0.5	0-0.5	--
AOC11e-3-6154	01/08/16	AOC11e-3	0	1	0.5	0-0.5	--
AOC11e-3-6155	01/10/16	AOC11e-3	2	3	3	0-03	--
AOC11e-3-6156	01/10/16	AOC11e-3	5	6	6	0-06	--
AOC11e-3-6157	01/10/16	AOC11e-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11e-3-6158	01/10/16	AOC11e-3	13	14	14	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-4-6159	01/28/16	AOC11e-4	0	1	0.5	0-0.5	--
AOC11e-4-6160	01/28/16	AOC11e-4	2	3	3	0-03	--
AOC11e-4-6161	01/28/16	AOC11e-4	5	6	6	0-06	--
AOC11e-4-6164	01/28/16	AOC11e-4	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-5-6165	01/19/16	AOC11e-5	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-5-6166	01/19/16	AOC11e-5	19	20	20	NE	Excluded from ERA (> 6 ft bgs)

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC11e-5-6167	01/19/16	AOC11e-5	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-5-6168	01/19/16	AOC11e-5	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-5-6169	01/20/16	AOC11e-5	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-5-6170	01/21/16	AOC11e-5	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
AOC11e-5-6171	01/21/16	AOC11e-5	69	70	70	NE	Excluded from ERA (> 6 ft bgs)
AOC11E-6-6172	12/03/15	AOC11e-6	0	1	0.5	0-0.5	--
AOC11e-SS-1-6075	09/23/08	AOC11e-SS1	0	0.5	0.5	0-0.5	--
AOC11e-SS-1-6076	09/23/08	AOC11e-SS1	2.5	3	3	0-03	--
AOC11e-SS-1-6077	09/23/08	AOC11e-SS1	5.5	6	6	0-06	--
AOC11e-SS-1-6078	09/23/08	AOC11e-SS1	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC11e-SS-2-6079	09/23/08	AOC11e-SS2	0	0.5	0.5	0-0.5	--
AOC11e-SS-2-6080	09/23/08	AOC11e-SS2	2.5	3	3	0-03	--
AOC11e-SS-2-6081	09/23/08	AOC11e-SS2	5.5	6	6	0-06	--
AOC11e-SS-2-6082	09/23/08	AOC11e-SS2	5.5	6	6	0-06	--
AOC11e-SS-2-6083	09/23/08	AOC11e-SS2	9.5	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC12a-T1a-7001	09/22/08	AOC12a-T1a	0	0.5	0.5	0-0.5	--
AOC12a-T1a-7002	09/22/08	AOC12a-T1a	2	3	3	0-03	--
AOC12a-T1b-7003	09/22/08	AOC12a-T1a	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC12a-T1c-7004	09/22/08	AOC12a-T1c	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC12a-T2a-7005	09/22/08	AOC12a-T2a	6	7	7	0-10	Excluded from ERA (> 6 ft bgs)
AOC12a-T2b-7006	09/22/08	AOC12a-T2b	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC12b-T1a-7009	09/20/08	AOC12b-T1a	2	3	3	0-03	--
AOC12b-T1b-7010	09/20/08	AOC12b-T1b	2	3	3	0-03	--
AOC12c-T1a-7014	09/20/08	AOC12c-T1a	10	11	11	NE	Excluded from ERA (> 6 ft bgs)
AOC12c-T1b-7015	09/20/08	AOC12c-T1a	0	0.5	0.5	0-0.5	--
AOC12c-T1b-7016	09/20/08	AOC12c-T1a	2	3	3	0-03	--
AOC12c-T1c-7017	09/20/08	AOC12c-T1b	10	11	11	NE	Excluded from ERA (> 6 ft bgs)
AOC12c-T1c-7023	09/22/08	AOC12c-T1b	3	4	4	0-06	--
AOC12c-T2a-7018	09/20/08	AOC12c-T2a	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC12c-T2b-7019	09/20/08	AOC12c-T2b	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC12c-T2c-7020	09/20/08	AOC12c-T1b	2	3	3	0-03	--
AOC12c-T2d-7021	09/20/08	AOC12c-T1c	10	11	11	NE	Excluded from ERA (> 6 ft bgs)
AOC12c-T2d-7022	09/20/08	AOC12c-T1c	10	11	11	NE	Excluded from ERA (> 6 ft bgs)
AOC14-10-8050	10/01/08	AOC14-10	0	0.5	0.5	0-0.5	--
AOC14-10-8051	10/01/08	AOC14-10	2	3	3	0-03	--
AOC14-10-8052	10/01/08	AOC14-10	5	6	6	0-06	--
AOC14-10-8053	10/01/08	AOC14-10	5	6	6	0-06	--
AOC14-10-8054	10/01/08	AOC14-10	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-10-8055	10/01/08	AOC14-10	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-11-8056	10/01/08	AOC14-11	5	6	6	0-06	--
AOC14-11-8057	10/01/08	AOC14-11	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)

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Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-11-8058	10/01/08	AOC14-11	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-12-8059	09/30/08	AOC14-12	5	6	6	0-06	--
AOC14-12-8060	09/30/08	AOC14-12	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-12-8061	09/30/08	AOC14-12	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-13-8062	09/30/08	AOC14-13	5	6	6	0-06	--
AOC14-13-8063	09/30/08	AOC14-13	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-13-8064	09/30/08	AOC14-13	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-13-8065	09/30/08	AOC14-13	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-14E-8127	02/18/16	AOC14-14E	0	1	0.5	0-0.5	--
AOC14-14E-8128	02/18/16	AOC14-14E	2	3	3	0-03	--
AOC14-14E-8129	02/18/16	AOC14-14E	2	3	3	0-03	--
AOC14-14E-8130	02/18/16	AOC14-14E	5	5.5	5.5	0-06	--
AOC14-14E-8131	02/18/16	AOC14-14E	6	7	7	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-14E-8132	02/18/16	AOC14-14E	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-14W-8100	02/16/16	AOC14-14W	0	1	0.5	0-0.5	--
AOC14-14W-8101	02/16/16	AOC14-14W	2	3	3	0-03	--
AOC14-14W-8102	02/16/16	AOC14-14W	5	5.5	5.5	0-06	--
AOC14-14W-8103	02/16/16	AOC14-14W	6	7	7	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-14W-8104	02/16/16	AOC14-14W	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-15-8105	02/18/16	AOC14-15	0	1	0.5	0-0.5	--
AOC14-15-8106	02/18/16	AOC14-15	2	3	3	0-03	--
AOC14-15-8108	02/18/16	AOC14-15	5	6	6	0-06	--
AOC14-15-8109	02/18/16	AOC14-15	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-16E-8133	02/23/16	AOC14-16E	0	1	0.5	0-0.5	--
AOC14-16E-8134	02/23/16	AOC14-16E	2	3	3	0-03	--
AOC14-16E-8135	02/23/16	AOC14-16E	5	6	6	0-06	--
AOC14-16E-8136	02/23/16	AOC14-16E	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-16W-8111	02/22/16	AOC14-16W	0	1	0.5	0-0.5	--
AOC14-16W-8112	02/22/16	AOC14-16W	2	3	3	0-03	--
AOC14-16W-8113	02/22/16	AOC14-16W	5	6	6	0-06	--
AOC14-16W-8114	02/22/16	AOC14-16W	7	8	8	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-16W-8115	02/22/16	AOC14-16W	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-16W-8116	02/22/16	AOC14-16W	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-17E-8137	02/24/16	AOC14-17E	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-17W-8117	02/24/16	AOC14-17W	0	1	0.5	0-0.5	--
AOC14-17W-8118	02/24/16	AOC14-17W	2	3	3	0-03	--
AOC14-17W-8119	02/24/16	AOC14-17W	5	6	6	0-06	--
AOC14-17W-8120	02/24/16	AOC14-17W	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-17W-8121	02/24/16	AOC14-17W	1	2	2	0-03	--
AOC14-1-8001	09/30/08	AOC14-1	0	0.5	0.5	0-0.5	--
AOC14-1-8002	09/30/08	AOC14-1	2	3	3	0-03	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-1-8003	09/30/08	AOC14-1	5	6	6	0-06	--
AOC14-1-8004	09/30/08	AOC14-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-1-8005	09/30/08	AOC14-1	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-18-8122	02/17/16	AOC14-18	0	1	0.5	0-0.5	--
AOC14-18-8123	02/17/16	AOC14-18	2	3	3	0-03	--
AOC14-18-8124	02/17/16	AOC14-18	5	6	6	0-06	--
AOC14-19-8125	02/17/16	AOC14-19	2	3	3	0-03	--
AOC14-19-8126	02/17/16	AOC14-19	3	4	4	0-06	--
AOC14-20-8138	04/26/17	AOC14-20	0	0.5	0.5	0-0.5	--
AOC14-20-8139	04/26/17	AOC14-20	2	3	3	0-03	--
AOC14-20-8140	04/26/17	AOC14-20	5	6	6	0-06	--
AOC14-20-8141	04/26/17	AOC14-20	8	9	9	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-21-8142	04/26/17	AOC14-21	0	0.5	0.5	0-0.5	--
AOC14-21-8143	04/26/17	AOC14-21	2	3	3	0-03	--
AOC14-21-8144	04/26/17	AOC14-21	2	3	3	0-03	--
AOC14-21-8145	04/26/17	AOC14-21	5	6	6	0-06	--
AOC14-21-8146	04/26/17	AOC14-21	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-2-8006	09/30/08	AOC14-2	0	0.5	0.5	0-0.5	--
AOC14-2-8007	09/30/08	AOC14-2	2	3	3	0-03	--
AOC14-2-8008	09/30/08	AOC14-2	5	6	6	0-06	--
AOC14-2-8009	09/30/08	AOC14-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-2-8010	09/30/08	AOC14-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-2-8011	09/30/08	AOC14-2	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-2-8088	10/01/08	AOC14-2	3	3.25	3.25	0-06	--
AOC14-3-8012	10/01/08	AOC14-3	0	0.5	0.5	0-0.5	--
AOC14-3-8013	10/01/08	AOC14-3	2	3	3	0-03	--
AOC14-3-8014	10/01/08	AOC14-3	5	6	6	0-06	--
AOC14-3-8015	10/01/08	AOC14-3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-3-8016	10/01/08	AOC14-3	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-4-8017	10/01/08	AOC14-4	0	0.5	0.5	0-0.5	--
AOC14-4-8018	10/01/08	AOC14-4	2	3	3	0-03	--
AOC14-4-8019	10/01/08	AOC14-4	5	6	6	0-06	--
AOC14-4-8020	10/01/08	AOC14-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-4-8021	10/01/08	AOC14-4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-4-8022	10/01/08	AOC14-4	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-5-8023	10/02/08	AOC14-5	0	0.5	0.5	0-0.5	--
AOC14-5-8024	10/02/08	AOC14-5	2	3	3	0-03	--
AOC14-5-8025	10/02/08	AOC14-5	5	6	6	0-06	--
AOC14-5-8026	10/02/08	AOC14-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-5-8027	10/02/08	AOC14-5	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-6-8028	10/02/08	AOC14-6	0	0.5	0.5	0-0.5	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-6-8029	10/02/08	AOC14-6	2	3	3	0-03	--
AOC14-6-8030	10/02/08	AOC14-6	5	6	6	0-06	--
AOC14-6-8031	10/02/08	AOC14-6	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-6-8032	10/02/08	AOC14-6	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-6-8033	10/02/08	AOC14-6	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-7-8034	10/02/08	AOC14-7	0	0.5	0.5	0-0.5	--
AOC14-7-8035	10/02/08	AOC14-7	2	3	3	0-03	--
AOC14-7-8036	10/02/08	AOC14-7	5	6	6	0-06	--
AOC14-7-8037	10/02/08	AOC14-7	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-7-8038	10/02/08	AOC14-7	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-8-8039	10/02/08	AOC14-8	0	0.5	0.5	0-0.5	--
AOC14-8-8040	10/02/08	AOC14-8	2	3	3	0-03	--
AOC14-8-8041	10/02/08	AOC14-8	5	6	6	0-06	--
AOC14-8-8042	10/02/08	AOC14-8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-8-8043	10/02/08	AOC14-8	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-8-8044	10/02/08	AOC14-8	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-9-8045	10/01/08	AOC14-9	0	0.5	0.5	0-0.5	--
AOC14-9-8046	10/01/08	AOC14-9	2	3	3	0-03	--
AOC14-9-8047	10/01/08	AOC14-9	5	6	6	0-06	--
AOC14-9-8048	10/01/08	AOC14-9	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-9-8049	10/01/08	AOC14-9	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-SS-1-8066	10/01/08	AOC14-SS1	0	0.5	0.5	0-0.5	--
AOC14-SS-1-8067	10/01/08	AOC14-SS1	2	3	3	0-03	--
AOC14-SS-1-8068	10/01/08	AOC14-SS1	5	6	6	0-06	--
AOC14-SS-1-8069	10/01/08	AOC14-SS1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-SS-1-8070	10/01/08	AOC14-SS1	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-SS-2-8071	10/01/08	AOC14-SS2	0	0.5	0.5	0-0.5	--
AOC14-SS-2-8072	10/01/08	AOC14-SS2	2	3	3	0-03	--
AOC14-SS-2-8073	10/01/08	AOC14-SS2	5	6	6	0-06	--
AOC14-SS-2-8074	10/01/08	AOC14-SS2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-SS-2-8075	10/01/08	AOC14-SS2	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-SS-2-8076	10/01/08	AOC14-SS2	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-SS-3-8077	10/02/08	AOC14-SS3	0	0.5	0.5	0-0.5	--
AOC14-SS-3-8078	10/02/08	AOC14-SS3	2	3	3	0-03	--
AOC14-SS-3-8079	10/02/08	AOC14-SS3	5	6	6	0-06	--
AOC14-SS-3-8080	10/02/08	AOC14-SS3	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC14-SS-3-8081	10/02/08	AOC14-SS3	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-SS-4-8082	10/02/08	AOC14-SS4	0	0.5	0.5	0-0.5	--
AOC14-SS-4-8083	10/02/08	AOC14-SS4	2	3	3	0-03	--
AOC14-SS-4-8084	10/02/08	AOC14-SS4	5	6	6	0-06	--
AOC14-SS-4-8085	10/02/08	AOC14-SS4	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC14-SS-4-8086	10/02/08	AOC14-SS4	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC14-SS-4-8087	10/02/08	AOC14-SS4	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC27-1-28545	03/18/16	AOC27-1	0	1	0.5	0-0.5	--
AOC27-1-28546	03/18/16	AOC27-1	2	3	3	0-03	--
AOC27-1-28547	03/18/16	AOC27-1	5	6	6	0-06	--
AOC27-1-28548	03/18/16	AOC27-1	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-18-28528	03/17/16	AOC27-18	0	1	0.5	0-0.5	--
AOC27-18-28529	03/17/16	AOC27-18	2	3	3	0-03	--
AOC27-18-28530	03/17/16	AOC27-18	5	6	6	0-06	--
AOC27-18-28531	03/17/16	AOC27-18E	4	5	5	0-06	--
AOC27-18-28532	03/17/16	AOC27-18	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-20-28508	03/01/16	AOC27-20	0	1	0.5	0-0.5	--
AOC27-20-28509	03/01/16	AOC27-20	2	3	3	0-03	--
AOC27-20-28510	03/01/16	AOC27-20	2	3	3	0-03	--
AOC27-20-28511	03/01/16	AOC27-20	5	6	6	0-06	--
AOC27-20-28512	03/01/16	AOC27-20	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-2-28541	03/18/16	AOC27-2	0	1	0.5	0-0.5	--
AOC27-2-28542	03/18/16	AOC27-2	2	3	3	0-03	--
AOC27-2-28543	03/18/16	AOC27-2	5	6	6	0-06	--
AOC27-2-28544	03/18/16	AOC27-2	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-24-28549	03/18/16	AOC27-24	0	1	0.5	0-0.5	--
AOC27-24-28550	03/18/16	AOC27-24	2	3	3	0-03	--
AOC27-24-28551	03/18/16	AOC27-24	5	6	6	0-06	--
AOC27-24-28552	03/18/16	AOC27-24	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-24SW-28553	03/18/16	AOC27-24SW	0	1	0.5	0-0.5	--
AOC27-24SW-28554	03/18/16	AOC27-24SW	2	3	3	0-03	--
AOC27-24SW-28555	03/18/16	AOC27-24SW	5	6	6	0-06	--
AOC27-24SW-28556	03/18/16	AOC27-24SW	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-27-28517	03/02/16	AOC27-27	0	1	0.5	0-0.5	--
AOC27-27-28518	03/02/16	AOC27-27	2	3	3	0-03	--
AOC27-36-28524	03/17/16	AOC27-36	0	1	0.5	0-0.5	--
AOC27-36-28525	03/17/16	AOC27-36	2	3	3	0-03	--
AOC27-36-28526	03/17/16	AOC27-36	5	6	6	0-06	--
AOC27-36-28527	03/17/16	AOC27-36	9.6	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-4-28537	03/17/16	AOC27-4	0	1	0.5	0-0.5	--
AOC27-4-28538	03/17/16	AOC27-4	0	1	0.5	0-0.5	--
AOC27-4-28539	03/17/16	AOC27-4	2	3	3	0-03	--
AOC27-4-28540	03/17/16	AOC27-4	5	6	6	0-06	--
AOC27-50-28513	03/02/16	AOC27-50	0	1	0.5	0-0.5	--
AOC27-50-28514	03/02/16	AOC27-50	2	3	3	0-03	--
AOC27-50-28515	03/02/16	AOC27-50	5	6	6	0-06	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC27-50-28516	03/02/16	AOC27-50	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-51-28557	02/17/17	AOC27-51	0	0.5	0.5	0-0.5	--
AOC27-51-28558	02/17/17	AOC27-51	2	3	3	0-03	--
AOC27-51-28559	02/17/17	AOC27-51	5	6	6	0-06	--
AOC27-5-28533	03/17/16	AOC27-5	0	1	0.5	0-0.5	--
AOC27-5-28534	03/17/16	AOC27-5	2	3	3	0-03	--
AOC27-5-28535	03/17/16	AOC27-5	5	6	6	0-06	--
AOC27-5-28536	03/17/16	AOC27-5	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC27-6-28500	02/29/16	AOC27-6	0	1	0.5	0-0.5	--
AOC27-6-28501	02/29/16	AOC27-6	2	3	3	0-03	--
AOC27-6-28502	02/29/16	AOC27-6	5	6	6	0-06	--
AOC27-7-28503	02/29/16	AOC27-7	0	1	0.5	0-0.5	--
AOC27-7-28504	02/29/16	AOC27-7	2	3	3	0-03	--
AOC27-7-28505	03/01/16	AOC27-7	5	6	6	0-06	--
AOC27-8-28506	03/01/16	AOC27-8	1	2	2	0-03	--
AOC27-8-28507	03/01/16	AOC27-8	5	6	6	0-06	--
AOC27-9-28519	03/08/16	AOC27-9	0	1	0.5	0-0.5	--
AOC27-9-28520	03/08/16	AOC27-9	0	1	0.5	0-0.5	--
AOC27-9-28521	03/08/16	AOC27-9	2	3	3	0-03	--
AOC27-9-28522	03/08/16	AOC27-9	5	6	6	0-06	--
AOC27-9-28523	03/08/16	AOC27-9	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC28a-01-34000	12/17/15	AOC28a-01	0	0.5	0.5	0-0.5	--
AOC28a-01-34001	12/17/15	AOC28a-01	2	3	3	0-03	--
AOC28a-01-34002	12/17/15	AOC28a-01	2	3	3	0-03	--
AOC28b-01-34003	12/17/15	AOC28b-01	0	0.5	0.5	0-0.5	--
AOC28c-01-34004	12/17/15	AOC28c-01	0	0.5	0.5	0-0.5	--
AOC28c-01-34005	12/17/15	AOC28c-01	2	3	3	0-03	--
AOC9-10-4023	10/01/08	AOC9-10	0	0.5	0.5	0-0.5	--
AOC9-10-4024	10/01/08	AOC9-10	2	3	3	0-03	--
AOC9-11-4025	09/18/08	AOC9-11	0	0.5	0.5	0-0.5	--
AOC9-11-4026	09/18/08	AOC9-11	2	3	3	0-03	--
AOC9-12-4027	10/01/08	AOC9-12	0	0.5	0.5	0-0.5	--
AOC9-12-4028	10/01/08	AOC9-12	2	3	3	0-03	--
AOC9-13-4029	09/19/08	AOC9-13	0	0.5	0.5	0-0.5	--
AOC9-13-4030	09/19/08	AOC9-13	2	3	3	0-03	--
AOC9-13-4031	09/19/08	AOC9-13	2	3	3	0-03	--
AOC9-1-4001	10/01/08	AOC9-1	0	0.5	0.5	0-0.5	--
AOC9-1-4002	10/01/08	AOC9-1	2	3	3	0-03	--
AOC9-14-4032	10/02/08	AOC9-14	0	0.5	0.5	0-0.5	--
AOC9-14-4033	10/02/08	AOC9-14	2	3	3	0-03	--
AOC9-15-4100	12/06/15	AOC9-15	0	1	0.5	0-0.5	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC9-15-4101	12/06/15	AOC9-15	2	3	3	0-03	--
AOC9-16-4105	01/13/16	AOC9-16	0	0.5	0.5	0-0.5	--
AOC9-16-4106	01/13/16	AOC9-16	2	3	3	0-03	--
AOC9-16-4107	01/13/16	AOC9-16	5	6	6	0-06	--
AOC9-16-4108	01/13/16	AOC9-16	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC9-17-4109	01/10/16	AOC9-17	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC9-17-4110	01/14/16	AOC9-17	14	15	15	NE	Excluded from ERA (> 6 ft bgs)
AOC9-18-4111	01/10/16	AOC9-18	5	6	6	0-06	--
AOC9-18-4112	01/10/16	AOC9-18	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC9-19-4114	01/13/16	AOC9-19	0	0.5	0.5	0-0.5	--
AOC9-19-4115	01/13/16	AOC9-19	2	3	3	0-03	--
AOC9-19-4116	01/13/16	AOC9-19	5	6	6	0-06	--
AOC9-19-4117	01/13/16	AOC9-19	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC9-20-4118	01/13/16	AOC9-20	0	0.5	0.5	0-0.5	--
AOC9-20-4119	01/13/16	AOC9-20	2	3	3	0-03	--
AOC9-20-4120	01/13/16	AOC9-20	2	3	3	0-03	--
AOC9-20-4121	01/13/16	AOC9-20	5	6	6	0-06	--
AOC9-20-4122	01/13/16	AOC9-20	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
AOC9-21-4123	01/08/17	AOC9-21	0	0.5	0.5	0-0.5	--
AOC9-21-4124	01/08/17	AOC9-21	0	0.5	0.5	0-0.5	--
AOC9-21-4125	01/08/17	AOC9-21	2	3	3	0-03	--
AOC9-21-4126	01/08/17	AOC9-21	5	6	6	0-06	--
AOC9-22-4127	01/04/17	AOC9-22	0	0.5	0.5	0-0.5	--
AOC9-22-4128	01/04/17	AOC9-22	2	3	3	0-03	--
AOC9-22-4129	01/04/17	AOC9-22	4.5	5	5	0-06	--
AOC9-2-4003	09/18/08	AOC9-2	0	0.5	0.5	0-0.5	--
AOC9-2-4004	09/18/08	AOC9-2	2	3	3	0-03	--
AOC9-3-4005	09/18/08	AOC9-3	0	0.5	0.5	0-0.5	--
AOC9-3-4006	09/18/08	AOC9-3	2	3	3	0-03	--
AOC9-4-4007	09/18/08	AOC9-4	0	0.5	0.5	0-0.5	--
AOC9-4-4008	09/18/08	AOC9-4	2	3	3	0-03	--
AOC9-5-4009	10/01/08	AOC9-5	0	0.5	0.5	0-0.5	--
AOC9-5-4010	10/01/08	AOC9-5	2	3	3	0-03	--
AOC9-5-4011	10/01/08	AOC9-5	2	3	3	0-03	--
AOC9-6-4012	09/18/08	AOC9-6	0	0.5	0.5	0-0.5	--
AOC9-6-4013	09/18/08	AOC9-6	2	3	3	0-03	--
AOC9-7-4014	09/18/08	AOC9-7	0	0.5	0.5	0-0.5	--
AOC9-7-4015	09/18/08	AOC9-7	2	3	3	0-03	--
AOC9-8-4016	10/01/08	AOC9-8	0	0.5	0.5	0-0.5	--
AOC9-8-4017	10/01/08	AOC9-8	2.5	3	3	0-03	--
AOC9-8-4018	10/01/08	AOC9-8	5.5	6	6	0-06	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
AOC9-9-4019	10/01/08	AOC9-9	0	0.5	0.5	0-0.5	--
AOC9-9-4020	10/01/08	AOC9-9	2.5	3	3	0-03	--
AOC9-9-4021	10/01/08	AOC9-9	5.5	6	6	0-06	--
AOC9-9-4022	10/01/08	AOC9-9	5.5	6	6	0-06	--
Bank 1	03/07/03	Bank 1	0	0	0	0-0.5	--
DTSC-AOC10d-1	01/18/08	DTSC-AOC10d-1	0	0	0	0-0.5	--
DTSC-AOC10d-2	01/18/08	DTSC-AOC10d-2	0	0	0	0-0.5	--
DTSC-AOC10d-3	01/18/08	DTSC-AOC10d-3	0	0	0	0-0.5	--
GS-1	11/01/98	GS-1	0	0	0	0-0.5	--
GS-2	11/01/98	GS-2	0	0	0	0-0.5	--
L1-2	02/20/03	L-1	2	2	2	0-03	--
L1-S	02/20/03	L-1	0	0	0	0-0.5	--
L2-2	02/20/03	L-2	2	2	2	0-03	--
L22-2	03/05/03	L-2-2	2	2	2	0-03	--
L23-2	03/05/03	L-2-3	2	2	2	0-03	--
L2-S	02/20/03	L-2	0	0	0	0-0.5	--
L3-1	02/20/03	L-3	1	1	1	0-03	--
L3-1.5	02/20/03	L-3	1.5	1.5	1.5	0-03	--
L32-.5	03/05/03	L-3-2	0.5	0.5	0.5	0-0.5	--
L3-S	02/20/03	L-3	0	0	0	0-0.5	--
MW-175-SS04	01/14/09	MW-57BR	8	9	9	0-10	Excluded from ERA (> 6 ft bgs)
MW-57-BR-SS01	01/14/09	MW-57BR	3	4	4	0-06	--
MW-57-BR-SS02	01/14/09	MW-57BR	8	9	9	0-10	Excluded from ERA (> 6 ft bgs)
MW-57-BR-SS03	01/14/09	MW-57BR	18	19	19	NE	Excluded from ERA (> 6 ft bgs)
MW-58-BR-SS01	01/29/09	MW-58BR_S	1.5	2	2	0-03	--
MW-58-BR-SS02	01/29/09	MW-58BR_S	19	20	20	NE	Excluded from ERA (> 6 ft bgs)
MW-58-BR-SS03	01/29/09	MW-58BR_S	29	30	30	NE	Excluded from ERA (> 6 ft bgs)
MW-58-BR-SS04	01/29/09	MW-58BR_S	39	40	40	NE	Excluded from ERA (> 6 ft bgs)
MW-58-BR-SS05	01/29/09	MW-58BR_S	49	50	50	NE	Excluded from ERA (> 6 ft bgs)
MW-58-BR-SS06	01/29/09	MW-58BR_S	59	60	60	NE	Excluded from ERA (> 6 ft bgs)
PA-05-1	11/09/15	PA-05	0	1	0.5	0-0.5	--
PA-06-1	11/09/15	PA-06	0	1	0.5	0-0.5	--
PA-07-1	11/09/15	PA-07	0	1	0.5	0-0.5	--
PA-08-03	01/12/16	PA-08	2	3	3	0-03	--
PA-08-06	01/12/16	PA-08	5	6	6	0-06	--
PA-08-1	11/09/15	PA-08	0	1	0.5	0-0.5	--
PA-08-10	01/12/16	PA-08	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
PA-08-FD	01/12/16	PA-08	2	3	3	0-03	--
PA-09-01	01/27/16	PA-09	0	1	0.5	0-0.5	--
PA-10-01	01/27/16	PA-10	0	1	0.5	0-0.5	--
PA-10-02	01/26/17	PA-10	2	3	3	0-03	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
PA-11-01	01/27/16	PA-11	0	1	0.5	0-0.5	--
PA-11-02	01/25/17	PA-11	2	3	3	0-03	--
PA-11-03	01/25/17	PA-11	2	3	3	0-03	--
PA-12-01	01/27/16	PA-12	0	1	0.5	0-0.5	--
PA-12-02	01/25/17	PA-12	2	3	3	0-03	--
PA-13-01	01/27/16	PA-13	0	1	0.5	0-0.5	--
PA-18-01	01/27/16	PA-18	0	1	0.5	0-0.5	--
PA-18-02	01/26/17	PA-18	2	3	3	0-03	--
PA-18-03	01/26/17	PA-18	2	3	3	0-03	--
PA-19-01	01/27/16	PA-19	0	1	0.5	0-0.5	--
PA-19-02	01/31/17	PA-19	2	3	3	0-03	--
PA-20-01	01/27/16	PA-20	0	1	0.5	0-0.5	--
PA-20-02	01/31/17	PA-20	2	3	3	0-03	--
PA-21-01	01/27/16	PA-21	0	1	0.5	0-0.5	--
PA-21-02	01/31/17	PA-21	2	3	3	0-03	--
PA-23-01	01/27/16	PA-23	0	1	0.5	0-0.5	--
PS-21-0	04/13/99	PS-21	0	0	0	0-0.5	--
PS-21-2	04/13/99	PS-21	2	2	2	0-03	--
PS-22-0	04/13/99	PS-22	0	0	0	0-0.5	--
RR-10	02/02/00	RR-10	0	0	0	0-0.5	--
RR-11	02/02/00	RR-11	0	0	0	0-0.5	--
RR-12	02/02/00	RR-12	0	0	0	0-0.5	--
RR-2	02/02/00	RR-2	0	0	0	0-0.5	--
RR-3	02/02/00	RR-3	0	0	0	0-0.5	--
RR-4	02/02/00	RR-4	0	0	0	0-0.5	--
RR-5	02/02/00	RR-5	0	0	0	0-0.5	--
RR-6	02/02/00	RR-6	0	0	0	0-0.5	--
RR-7	02/02/00	RR-7	0	0	0	0-0.5	--
RR-8	02/02/00	RR-8	0	0	0	0-0.5	--
RR-9	02/02/00	RR-9	0	0	0	0-0.5	--
S1-20-3	11/01/98	S1-20	3	3	3	0-03	--
S2-130-1	11/01/98	S2-130	1	1	0.5	0-0.5	--
S2-62-2	11/01/98	S2-62	2	2	2	0-03	--
S2-62-4	11/01/98	S2-62	4	4	4	0-06	--
S2-6-3	11/01/98	S2-6	3	3	3	0-03	--
S2-6-5	11/01/98	S2-6	5	5	5	0-06	--
S3-120-1	11/01/98	S3-120	1	1	0.5	0-0.5	--
S3-15-2	11/01/98	S3-15	2	2	2	0-03	--
S3-15-4	11/01/98	S3-15	4	4	4	0-06	--
S3-72-1	11/01/98	S3-72	1	1	0.5	0-0.5	--
S3-72-2	11/01/98	S3-72	2	2	2	0-03	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
S4-160-2	11/01/98	S4-160	2	2	2	0-03	--
S4-4-4	11/01/98	S4-4	4	4	4	0-06	--
S4-4-6	11/01/98	S4-4	6	6	6	0-06	--
S4-95-2	11/01/98	S4-95	2	2	2	0-03	--
S4-95-3	11/01/98	S4-95	3	3	3	0-03	--
S8-30-3	11/01/98	S8-30	3	3	3	0-03	--
SD-10-01	11/10/15	SD-10	0	1	0.5	0-0.5	--
SD-10-03	11/10/15	SD-10	2	3	3	0-03	--
SD-11-0	12/06/15	SD-11	0	0.5	0.5	0-0.5	--
SD-11-01	03/07/16	SD-11A	0	1	0.5	0-0.5	--
SD-11-02	03/07/16	SD-11A	2	3	3	0-03	--
SD-11-04	03/07/16	SD-11A	5	6	6	0-06	--
SD-11-3	12/06/15	SD-11	2	3	3	0-03	--
SD-12-01	11/10/15	SD-12	0	1	0.5	0-0.5	--
SD-12-03	11/10/15	SD-12	2	3	3	0-03	--
SD-13-01	11/10/15	SD-13	0	1	0.5	0-0.5	--
SD-13-03	11/10/15	SD-13	2	3	3	0-03	--
SD-1-D1	01/13/16	SD-01	0	0.5	0.5	0-0.5	--
SD-1-D2	01/13/16	SD-01	2	3	3	0-03	--
SD-1-D3	01/13/16	SD-01	5	6	6	0-06	--
SD-1-D4	01/13/16	SD-01	9	10	10	0-10	Excluded from ERA (> 6 ft bgs)
SD-20-01	11/11/15	SD-20	0	1	0.5	0-0.5	--
SD-20-01-FD	11/11/15	SD-20	0	1	0.5	0-0.5	--
SD-20-03	11/11/15	SD-20	2	3	3	0-03	--
SD-2-01	11/10/15	SD-02	0	1	0.5	0-0.5	--
SD-2-03	11/10/15	SD-02	2	3	3	0-03	--
SD-21-01	03/10/16	SD-21	0	1	0.5	0-0.5	--
SD-21-03	03/10/16	SD-21	2	3	3	0-03	--
SD-22-01	03/09/16	SD-22	0	1	0.5	0-0.5	--
SD-22-03	03/09/16	SD-22	2	3	3	0-03	--
SD-23-01	03/09/16	SD-23	0	1	0.5	0-0.5	--
SD-23-03	03/09/16	SD-23	2	3	3	0-03	--
SD-27-02	02/15/17	SD-27	2	3	3	0-03	--
SD-3-01	11/10/15	SD-03	0	1	0.5	0-0.5	--
SD-3-03	11/10/15	SD-03	2	3	3	0-03	--
SD-37-OS1-1001	11/30/16	SD-OS37	0	0.5	0.5	0-0.5	--
SD-37-OS1-1002	11/30/16	SD-OS37	3	3.5	3.5	0-06	--
SD-37-OS1-1003	11/30/16	SD-OS37	5	5.5	5.5	0-06	--
SD-4-01	11/10/15	SD-04	0	1	0.5	0-0.5	--
SD-4-03	11/10/15	SD-04	2	3	3	0-03	--
SD-5-01	11/10/15	SD-05	0	1	0.5	0-0.5	--

Table OCSxBCW+AOC4-1.1
Samples and Sampling Locations Included in the OCS Excluding BCW and AOC 4 Exposure Area

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Sample ID	Sample Date	Location ID	Upper Depth (ft bgs)	Lower Depth (ft bgs)	Risk End Depth (ft bgs)	Baseline (ft bgs)	Notes
SD-5-01-FD	11/10/15	SD-05	0	1	0.5	0-0.5	--
SD-5-03	11/10/15	SD-05	2	3	3	0-03	--
SD-6-01	11/10/15	SD-06	0	1	0.5	0-0.5	--
SD-6-03	11/10/15	SD-06	2	3	3	0-03	--
SD-6-05	11/10/15	SD-06	5	6	6	0-06	--
SD-8-01	11/11/15	SD-08	0	1	0.5	0-0.5	--
SD-8-01-FD	11/11/15	SD-08	0	1	0.5	0-0.5	--
SD-8-03	11/11/15	SD-08	2	3	3	0-03	--
SD-9-01	11/10/15	SD-09	0	1	0.5	0-0.5	--
SD-9-03	11/10/15	SD-09	2	3	3	0-03	--
SD-9-05	11/10/15	SD-09	5	6	6	0-06	--

Abbreviations:
AOC = area of concern
ft bgs = feet below ground surface
HHERA = human health and ecological risk assessment
NE = not evaluated in the HHERA

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Inorganics					
Aluminum	43 / 43	3,000 - 20,000	mg/kg	No	Within Background
Antimony	1 / 178	15	mg/kg	Yes	Above Background
Arsenic	176 / 178	1.5 - 14	mg/kg	No	Within Background
Barium	178 / 178	57 - 595	mg/kg	No	Within Background
Beryllium	0 / 178	ND	mg/kg	No	Not Detected
Cadmium	6 / 178	1.4 - 7.4	mg/kg	No	Within Background
Calcium [b]	47 / 47	10,000 - 265,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chromium, Hexavalent	101 / 208	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	212 / 212	4.9 - 2,800	mg/kg	Yes	Above Background
Cobalt	174 / 178	2.3 - 27	mg/kg	No	Within Background
Copper	209 / 209	2.2 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 41	0.22	mg/kg	Yes	Detected
Iron	47 / 47	6,800 - 32,000	mg/kg	No	Within Background
Lead	179 / 179	1.9 - 920	mg/kg	Yes	Above Background
Magnesium [b]	47 / 47	2,600 - 14,300	mg/kg	No	Within Background
Manganese [b]	44 / 44	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	17 / 179	0.11 - 35	mg/kg	Yes	Above Background
Molybdenum	27 / 178	1.0 - 19	mg/kg	No	Within Background
Nickel	206 / 209	0.28 - 35	mg/kg	No	Within Background
Potassium [b]	47 / 47	690 - 5,300	mg/kg	No	Within Background
Selenium	3 / 178	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 178	ND	mg/kg	No	Not Detected
Sodium [b]	46 / 47	170 - 4,300	mg/kg	No	Within Background
Thallium	0 / 178	ND	mg/kg	No	Not Detected
Vanadium	178 / 178	12 - 52	mg/kg	No	Within Background
Zinc	209 / 209	11 - 1,200	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,1-Trichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 9	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
1,1,2-Trichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 9	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 9	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 9	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 9	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 9	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 9	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 9	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 37	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 9	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 9	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 4	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 9	ND	ug/kg	No	Not Detected
Acetone	0 / 9	ND	ug/kg	No	Not Detected
Acrolein	0 / 9	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 9	ND	ug/kg	No	Not Detected
Benzene	0 / 9	ND	ug/kg	No	Not Detected
bis (2-chloroethyl) ether	0 / 133	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 133	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Bromobenzene	0 / 9	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 9	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 9	ND	ug/kg	No	Not Detected
Bromoform	0 / 9	ND	ug/kg	No	Not Detected
Bromomethane	0 / 9	ND	ug/kg	No	Not Detected
Carbon disulfide	0 / 9	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 9	ND	ug/kg	No	Not Detected
Chloro methane	0 / 9	ND	ug/kg	No	Not Detected
Chlorobenzene	0 / 9	ND	ug/kg	No	Not Detected
Chloroethane	0 / 9	ND	ug/kg	No	Not Detected
Chloroform	0 / 9	ND	ug/kg	No	Not Detected
cis-1,2-Dichloroethene	0 / 9	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 9	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 3	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 9	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 9	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 9	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 9	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 133	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 36	ND	ug/kg	No	Not Detected
Isophorone	1 / 133	2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Methyl acetate	0 / 4	ND	ug/kg	No	Not Detected
Methyl ethyl ketone	0 / 9	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 9	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 9	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 4	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 9	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Nitrobenzene	0 / 133	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 9	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
p-Chlorotoluene	0 / 9	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Styrene	0 / 9	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 9	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 9	ND	ug/kg	No	Not Detected
Toluene	0 / 9	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 9	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 9	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 9	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 9	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 9	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 9	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 37	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 37	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 37	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 133	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 132	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 133	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 133	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 133	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 133	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 133	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 133	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 133	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 133	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 133	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 133	ND	ug/kg	No	Not Detected
4,6-Dinitro-2-methylphenol	0 / 132	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 133	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4-Chloro-3-methylphenol	0 / 133	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 133	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 133	ND	ug/kg	No	Not Detected
4-Methylphenol	1 / 133	430	ug/kg	Yes	Detected
4-Nitroaniline	0 / 133	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 133	ND	ug/kg	No	Not Detected
Acetophenone	0 / 37	ND	ug/kg	No	Not Detected
Atrazine	0 / 37	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 37	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 132	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 133	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 133	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	1 / 133	640	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 133	ND	ug/kg	No	Not Detected
Caprolactam	0 / 36	ND	ug/kg	No	Not Detected
Carbazole	0 / 37	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 133	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 133	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 133	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 133	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 133	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 133	ND	ug/kg	No	Not Detected
Phenol	0 / 133	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	180 / 180	0 - 32,900	ug/kg	Yes	Above Background
PAH Low molecular weight	180 / 180	0 - 3,880	ug/kg	Yes	Above Background
Pesticides					
4,4-DDD	0 / 68	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4,4-DDE	3 / 68	2.9 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 68	3.0	ug/kg	Yes	Detected
Aldrin	0 / 68	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 68	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 68	12	ug/kg	Yes	Detected
beta-BHC	0 / 68	ND	ug/kg	No	Not Detected
delta-BHC	0 / 68	ND	ug/kg	No	Not Detected
Dieldrin	1 / 68	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 68	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 68	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 68	ND	ug/kg	No	Not Detected
Endrin	0 / 68	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 68	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 35	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 68	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 68	13	ug/kg	Yes	Detected
Heptachlor	0 / 68	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 68	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 68	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 134	ND	ug/kg	No	Not Detected
Toxaphene	0 / 68	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [c]	50 / 122	17 - 1,930	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	39 / 151	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 2	ND	mg/kg	No	Not Detected
TPH as motor oil	97 / 151	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	11 / 73	0.18 - 19	ng/kg	Yes	Above Background
TEQ Avian [d]	73 / 73	0.24 - 1,100	ng/kg	Yes	Above Background
TEQ Mammals [d]	73 / 73	0.22 - 1,600	ng/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1a
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Surface Soil (0 to 0.5 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to ecological risk assessment (ERA).

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the ERA. Ecological toxicity values are available for manganese, thus this chemical is evaluated in the ERA, if above background levels.

[c] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[d] Dioxins are evaluated in toxic equivalents.

Abbreviations:

mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Inorganics					
Aluminum	53 / 53	2,600 - 20,000	mg/kg	No	Within Background
Antimony	5 / 353	3.3 - 19	mg/kg	Yes	Above Background
Arsenic	347 / 353	1.2 - 24	mg/kg	No	Within Background
Barium	353 / 353	14 - 595	mg/kg	No	Within Background
Beryllium	0 / 353	ND	mg/kg	No	Not Detected
Cadmium	18 / 353	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	59 / 59	10,000 - 265,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chromium, Hexavalent	172 / 394	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	403 / 403	3.6 - 4,000	mg/kg	Yes	Above Background
Cobalt	348 / 353	1.6 - 36	mg/kg	No	Within Background
Copper	398 / 400	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 51	0.22	mg/kg	Yes	Detected
Iron	59 / 59	540 - 32,000	mg/kg	No	Within Background
Lead	353 / 355	1.4 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	59 / 59	2,600 - 14,300	mg/kg	No	Within Background
Manganese [b]	54 / 54	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	34 / 355	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	55 / 353	0.63 - 63	mg/kg	No	Within Background
Nickel	397 / 400	0.28 - 270	mg/kg	No	Within Background
Nitrate	1 / 1	17	mg/kg	Yes	Detected
Phosphate	1 / 1	64	mg/kg	Yes	Detected
Potassium [b]	58 / 58	600 - 5,300	mg/kg	No	Within Background
Selenium	6 / 353	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 353	ND	mg/kg	No	Not Detected
Sodium [b]	57 / 59	170 - 4,300	mg/kg	No	Within Background
Thallium	4 / 353	2.1 - 6.1	mg/kg	Yes	Above Background
Vanadium	353 / 353	9.6 - 52	mg/kg	No	Within Background
Zinc	400 / 400	4.3 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 113	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
1,1,1-Trichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 113	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 113	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 113	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 265	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 42	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 113	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 113	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 36	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 113	ND	ug/kg	No	Not Detected
Acetone	0 / 82	ND	ug/kg	No	Not Detected
Acrolein	0 / 113	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 113	ND	ug/kg	No	Not Detected
Benzene	0 / 113	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
bis (2-chloroethyl) ether	0 / 264	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 264	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 113	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 113	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 113	ND	ug/kg	No	Not Detected
Bromoform	0 / 113	ND	ug/kg	No	Not Detected
Bromomethane	2 / 113	23 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 113	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 113	ND	ug/kg	No	Not Detected
Chloro methane	3 / 113	5.5 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 113	ND	ug/kg	No	Not Detected
Chloroethane	0 / 113	ND	ug/kg	No	Not Detected
Chloroform	1 / 113	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 113	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 113	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 113	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 113	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 265	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 41	ND	ug/kg	No	Not Detected
Isophorone	2 / 264	2,200 - 2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Methyl acetate	1 / 36	17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 113	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 113	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 113	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 36	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 113	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Nitrobenzene	0 / 264	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 113	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 113	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Styrene	0 / 113	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 113	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 113	ND	ug/kg	No	Not Detected
Toluene	0 / 113	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 113	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 113	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 113	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 113	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 113	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 113	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 42	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 42	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 42	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 264	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 263	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 264	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 264	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 264	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 264	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 264	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 264	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 262	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 264	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 264	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 264	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4,6-Dinitro-2-methylphenol	0 / 261	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 262	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 262	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 264	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 262	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 264	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 264	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 264	ND	ug/kg	No	Not Detected
Acetophenone	0 / 42	ND	ug/kg	No	Not Detected
Atrazine	0 / 42	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 42	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 261	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 262	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 262	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	2 / 264	640 - 1,300	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 264	ND	ug/kg	No	Not Detected
Caprolactam	0 / 41	ND	ug/kg	No	Not Detected
Carbazole	0 / 42	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 264	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 264	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 264	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 264	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 264	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 264	ND	ug/kg	No	Not Detected
Phenol	0 / 264	ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	361 / 361	0 - 32,900	ug/kg	Yes	Above Background
PAH Low molecular weight	361 / 361	0 - 3,880	ug/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Pesticides					
4,4-DDD	0 / 108	ND	ug/kg	No	Not Detected
4,4-DDE	4 / 108	2.9 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 108	3.0	ug/kg	Yes	Detected
Aldrin	0 / 108	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 108	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 108	12	ug/kg	Yes	Detected
beta-BHC	0 / 108	ND	ug/kg	No	Not Detected
delta-BHC	0 / 108	ND	ug/kg	No	Not Detected
Dieldrin	1 / 108	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 108	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 108	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 108	ND	ug/kg	No	Not Detected
Endrin	0 / 108	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 108	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 37	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 108	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 108	13	ug/kg	Yes	Detected
Heptachlor	0 / 108	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 108	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 108	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 266	ND	ug/kg	No	Not Detected
Toxaphene	0 / 108	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [c]	70 / 228	17 - 2,330	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	75 / 301	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 135	ND	mg/kg	No	Not Detected
TPH as motor oil	177 / 299	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	18 / 145	0.18 - 29	ng/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
TEQ Avian [d]	142 / 145	0.20 - 1,100	ng/kg	Yes	Above Background
TEQ Mammals [d]	142 / 145	0.12 - 1,600	ng/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1b
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Shallow Soil (0 to 3 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to ecological risk assessment (ERA).

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the ERA. Ecological toxicity values are available for manganese, thus this chemical is evaluated in the ERA, if above background levels.

[c] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[d] Dioxins are evaluated in toxic equivalents.

Abbreviations:

mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Inorganics					
Aluminum	53 / 53	2,600 - 20,000	mg/kg	No	Within Background
Antimony	5 / 475	3.3 - 19	mg/kg	Yes	Above Background
Arsenic	469 / 475	1.1 - 24	mg/kg	No	Within Background
Barium	475 / 475	14 - 1,300	mg/kg	No	Within Background
Beryllium	0 / 475	ND	mg/kg	No	Not Detected
Cadmium	22 / 475	0.30 - 7.4	mg/kg	No	Within Background
Calcium [b]	60 / 60	10,000 - 379,000	mg/kg	No	Essential Nutrient (No Toxicity Values Available)
Chromium, Hexavalent	215 / 519	0.20 - 2,700	mg/kg	Yes	Above Background
Chromium, total	532 / 532	3.6 - 4,000	mg/kg	Yes	Above Background
Cobalt	469 / 475	1.6 - 36	mg/kg	No	Within Background
Copper	524 / 527	1.8 - 3,100	mg/kg	Yes	Above Background
Cyanide	1 / 51	0.22	mg/kg	Yes	Detected
Iron	60 / 60	425 - 32,000	mg/kg	No	Within Background
Lead	474 / 478	1.4 - 1,600	mg/kg	Yes	Above Background
Magnesium [b]	60 / 60	2,600 - 23,000	mg/kg	No	Within Background
Manganese [b]	54 / 54	120 - 1,300	mg/kg	No	Within Background
Mercury (inorganic)	43 / 478	0.10 - 180	mg/kg	Yes	Above Background
Molybdenum	75 / 476	0.63 - 63	mg/kg	No	Within Background
Nickel	524 / 527	0.28 - 270	mg/kg	No	Within Background
Nitrate	2 / 2	17 - 29	mg/kg	Yes	Detected
Phosphate	2 / 2	11 - 64	mg/kg	Yes	Detected
Potassium [b]	59 / 59	90 - 5,300	mg/kg	No	Within Background
Selenium	9 / 475	1.1 - 9.1	mg/kg	No	Within Background
Silver	0 / 475	ND	mg/kg	No	Not Detected
Sodium [b]	58 / 60	170 - 6,590	mg/kg	No	Within Background
Thallium	6 / 475	2.1 - 6.1	mg/kg	Yes	Above Background
Vanadium	475 / 475	9.3 - 58	mg/kg	No	Within Background
Zinc	526 / 527	1.9 - 2,000	mg/kg	Yes	Above Background
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	0 / 197	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
1,1,1-Trichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,2,2-Tetrachloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,2-Trichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1,2-Trichlorotrifluoroethane (Freon 113)	0 / 197	ND	ug/kg	No	Not Detected
1,1-Dichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,1-Dichloroethene	0 / 197	ND	ug/kg	No	Not Detected
1,1-Dichloropropene	0 / 197	ND	ug/kg	No	Not Detected
1,2,3-Trichlorobenzene	0 / 197	ND	ug/kg	No	Not Detected
1,2,3-Trichloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,2,4-Trichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,2,4-Trimethylbenzene	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dibromo-3-chloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dibromoethane	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,2-Dichloroethane	0 / 197	ND	ug/kg	No	Not Detected
1,2-Dichloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,3,5-Trimethylbenzene	0 / 197	ND	ug/kg	No	Not Detected
1,3-Dichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,3-Dichloropropane	0 / 197	ND	ug/kg	No	Not Detected
1,4-Dichlorobenzene	0 / 361	ND	ug/kg	No	Not Detected
1,4-Dioxane	0 / 42	ND	ug/kg	No	Not Detected
2,2-Dichloropropane	0 / 197	ND	ug/kg	No	Not Detected
2,4,5-Trichlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2,4,6-Trichlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2-Chlorotoluene	0 / 197	ND	ug/kg	No	Not Detected
2-Hexanone	0 / 36	ND	ug/kg	No	Not Detected
4-Isopropyltoluene	0 / 197	ND	ug/kg	No	Not Detected
Acetone	0 / 140	ND	ug/kg	No	Not Detected
Acrolein	0 / 197	ND	ug/kg	No	Not Detected
Acrylonitrile	0 / 197	ND	ug/kg	No	Not Detected
Benzene	0 / 197	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
bis (2-chloroethyl) ether	0 / 359	ND	ug/kg	No	Not Detected
bis (2-chloroisopropyl) ether	0 / 359	ND	ug/kg	No	Not Detected
Bromobenzene	0 / 197	ND	ug/kg	No	Not Detected
Bromochloromethane	0 / 197	ND	ug/kg	No	Not Detected
Bromodichloromethane	0 / 197	ND	ug/kg	No	Not Detected
Bromoform	0 / 197	ND	ug/kg	No	Not Detected
Bromomethane	3 / 197	11 - 26	ug/kg	Yes	Detected
Carbon disulfide	0 / 197	ND	ug/kg	No	Not Detected
Carbon tetrachloride	0 / 197	ND	ug/kg	No	Not Detected
Chloro methane	4 / 197	5.3 - 11	ug/kg	Yes	Detected
Chlorobenzene	0 / 197	ND	ug/kg	No	Not Detected
Chloroethane	0 / 197	ND	ug/kg	No	Not Detected
Chloroform	1 / 197	11	ug/kg	Yes	Detected
cis-1,2-Dichloroethene	0 / 197	ND	ug/kg	No	Not Detected
cis-1,3-Dichloropropene	0 / 197	ND	ug/kg	No	Not Detected
Cyclohexane	0 / 35	ND	ug/kg	No	Not Detected
Dibromochloromethane	0 / 197	ND	ug/kg	No	Not Detected
Dibromomethane	0 / 197	ND	ug/kg	No	Not Detected
Dichlorodifluoromethane	0 / 197	ND	ug/kg	No	Not Detected
Ethyl-benzene	0 / 197	ND	ug/kg	No	Not Detected
Hexachlorobutadiene	0 / 361	ND	ug/kg	No	Not Detected
Hexachlorocyclopentadiene	0 / 41	ND	ug/kg	No	Not Detected
Isophorone	2 / 359	2,200 - 2,800	ug/kg	Yes	Detected
Isopropylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Methyl acetate	1 / 36	17	ug/kg	Yes	Detected
Methyl ethyl ketone	0 / 197	ND	ug/kg	No	Not Detected
Methyl isobutyl ketone	0 / 197	ND	ug/kg	No	Not Detected
Methyl tert-butyl ether (MTBE)	0 / 197	ND	ug/kg	No	Not Detected
Methylcyclohexane	0 / 36	ND	ug/kg	No	Not Detected
Methylene chloride	0 / 197	ND	ug/kg	No	Not Detected
n-Butylbenzene	0 / 197	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Nitrobenzene	0 / 359	ND	ug/kg	No	Not Detected
n-Propylbenzene	0 / 197	ND	ug/kg	No	Not Detected
p-Chlorotoluene	0 / 197	ND	ug/kg	No	Not Detected
sec-Butylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Styrene	0 / 197	ND	ug/kg	No	Not Detected
tert-Butylbenzene	0 / 197	ND	ug/kg	No	Not Detected
Tetrachloroethene	0 / 197	ND	ug/kg	No	Not Detected
Toluene	0 / 197	ND	ug/kg	No	Not Detected
trans-1,2-Dichloroethene	0 / 197	ND	ug/kg	No	Not Detected
trans-1,3-Dichloropropene	0 / 197	ND	ug/kg	No	Not Detected
Trichloroethene	0 / 197	ND	ug/kg	No	Not Detected
Trichlorofluoromethane (Freon 11)	0 / 197	ND	ug/kg	No	Not Detected
Vinyl chloride	0 / 197	ND	ug/kg	No	Not Detected
Xylenes, total	0 / 197	ND	ug/kg	No	Not Detected
Semi-Volatile Organic Compounds					
1,1´-Biphenyl	0 / 42	ND	ug/kg	No	Not Detected
1,2,4,5-Tetrachlorobenzene	0 / 42	ND	ug/kg	No	Not Detected
2,3,4,6-Tetrachlorophenol	0 / 42	ND	ug/kg	No	Not Detected
2,4-Dichlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2,4-Dimethylphenol	0 / 359	ND	ug/kg	No	Not Detected
2,4-Dinitrophenol	0 / 358	ND	ug/kg	No	Not Detected
2,4-Dinitrotoluene	0 / 359	ND	ug/kg	No	Not Detected
2,6-Dinitrotoluene	0 / 359	ND	ug/kg	No	Not Detected
2-Chloro naphthalene	0 / 359	ND	ug/kg	No	Not Detected
2-Chlorophenol	0 / 359	ND	ug/kg	No	Not Detected
2-Methylphenol	0 / 359	ND	ug/kg	No	Not Detected
2-Nitroaniline	0 / 359	ND	ug/kg	No	Not Detected
2-Nitrophenol	0 / 357	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 359	ND	ug/kg	No	Not Detected
3,3-Dichlorobenzidene	0 / 359	ND	ug/kg	No	Not Detected
3-Nitroaniline	0 / 359	ND	ug/kg	No	Not Detected

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
4,6-Dinitro-2-methylphenol	0 / 356	ND	ug/kg	No	Not Detected
4-Bromophenyl phenyl ether	0 / 357	ND	ug/kg	No	Not Detected
4-Chloro-3-methylphenol	0 / 357	ND	ug/kg	No	Not Detected
4-Chloroaniline	0 / 359	ND	ug/kg	No	Not Detected
4-Chlorophenyl phenyl ether	0 / 357	ND	ug/kg	No	Not Detected
4-Methylphenol	2 / 359	430 - 460	ug/kg	Yes	Detected
4-Nitroaniline	0 / 359	ND	ug/kg	No	Not Detected
4-Nitrophenol	0 / 359	ND	ug/kg	No	Not Detected
Acetophenone	0 / 42	ND	ug/kg	No	Not Detected
Atrazine	0 / 42	ND	ug/kg	No	Not Detected
Benzaldehyde	0 / 42	ND	ug/kg	No	Not Detected
Benzoic acid	0 / 356	ND	ug/kg	No	Not Detected
Benzyl alcohol	0 / 357	ND	ug/kg	No	Not Detected
bis (2-chloroethoxy) methane	0 / 357	ND	ug/kg	No	Not Detected
bis (2-ethylhexyl) phthalate	2 / 359	640 - 1,300	ug/kg	Yes	Detected
Butylbenzylphthalate	0 / 359	ND	ug/kg	No	Not Detected
Caprolactam	0 / 41	ND	ug/kg	No	Not Detected
Carbazole	0 / 42	ND	ug/kg	No	Not Detected
Dibenzofuran	0 / 359	ND	ug/kg	No	Not Detected
Diethyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Dimethyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Di-n-butyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Di-n-octyl phthalate	0 / 359	ND	ug/kg	No	Not Detected
Hexachlorobenzene	0 / 359	ND	ug/kg	No	Not Detected
Hexachloroethane	0 / 359	ND	ug/kg	No	Not Detected
n-Nitroso-di-n-propylamine	0 / 359	ND	ug/kg	No	Not Detected
n-nitrosodiphenylamine	0 / 359	ND	ug/kg	No	Not Detected
Phenol		ND	ug/kg	No	Not Detected
Polycyclic Aromatic Hydrocarbons					
PAH High molecular weight	484 / 484	0 - 32,900	ug/kg	Yes	Above Background
PAH Low molecular weight	484 / 484	0 - 3,880	ug/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
Pesticides					
4,4-DDD	0 / 139	ND	ug/kg	No	Not Detected
4,4-DDE	5 / 139	2.6 - 6.1	ug/kg	Yes	Detected
4,4-DDT	1 / 139	3.0	ug/kg	Yes	Detected
Aldrin	0 / 139	ND	ug/kg	No	Not Detected
alpha-BHC	0 / 139	ND	ug/kg	No	Not Detected
alpha-Chlordane	1 / 139	12	ug/kg	Yes	Detected
beta-BHC	0 / 139	ND	ug/kg	No	Not Detected
delta-BHC	0 / 139	ND	ug/kg	No	Not Detected
Dieldrin	1 / 139	6.7	ug/kg	Yes	Detected
Endo sulfan I	0 / 139	ND	ug/kg	No	Not Detected
Endo sulfan II	0 / 139	ND	ug/kg	No	Not Detected
Endosulfan sulfate	0 / 139	ND	ug/kg	No	Not Detected
Endrin	0 / 139	ND	ug/kg	No	Not Detected
Endrin aldehyde	0 / 139	ND	ug/kg	No	Not Detected
Endrin ketone	0 / 37	ND	ug/kg	No	Not Detected
gamma-BHC	0 / 139	ND	ug/kg	No	Not Detected
gamma-Chlordane	1 / 139	13	ug/kg	Yes	Detected
Heptachlor	0 / 139	ND	ug/kg	No	Not Detected
Heptachlor epoxide	0 / 139	ND	ug/kg	No	Not Detected
Methoxy chlor	0 / 139	ND	ug/kg	No	Not Detected
Pentachlorophenol	0 / 362	ND	ug/kg	No	Not Detected
Toxaphene	0 / 139	ND	ug/kg	No	Not Detected
Polychlorinated Biphenyls					
Total PCBs [c]	81 / 287	17 - 2,330	ug/kg	Yes	Detected
Total Petroleum Hydrocarbons					
TPH as diesel	92 / 403	10 - 4,000	mg/kg	Yes	Detected
TPH as gasoline	0 / 227	ND	mg/kg	No	Not Detected
TPH as motor oil	233 / 401	10 - 8,900	mg/kg	Yes	Detected
Dioxins/Furans					
2,3,7,8-TCDD	19 / 196	0.18 - 29	ng/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Chemical	Detection Frequency (Detections/ Samples Analyzed)	Range of Detected Site Concentrations	Units	Included in Risk Assessment [a]	Basis for selection as COPEC in Risk Assessment
TEQ Avian [d]	190 / 196	0.13 - 1,100	ng/kg	Yes	Above Background
TEQ Mammals [d]	190 / 196	0.090 - 1,600	ng/kg	Yes	Above Background

Table OCSxBCW+AOC4-2.1c
Chemicals Included in the Risk Assessment: OCS Excluding BCW and AOC4 Subsurface I Soil (0 to 6 feet bgs) for Baseline Scenario

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Applicable to ecological risk assessment (ERA).

[b] Essential nutrient. No toxicity values are available for calcium, magnesium, potassium, and sodium, thus these chemicals are not evaluated in the ERA. Ecological toxicity values are available for manganese, thus this chemical is evaluated in the ERA, if above background levels.

[c] Polychlorinated biphenyls (PCBs) are evaluated as total PCBs in the risk assessment.

[d] Dioxins are evaluated in toxic equivalents.

Abbreviations:

mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
ug/kg = micrograms per kilogram.
COPEC = Constituent of Potential Ecological Concern.
ND = Not detected.
TPH = Total Petroleum Hydrocarbons.
TEQ = Toxic Equivalent.

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Soil Depth Interval: 0-0.5 ft bgs																
Inorganic Compounds																
Aluminum	mg/kg	0-0.5	43 / 43	100	3000	20000	NA	NA	8728	8728	8100	14514917	3810	--	--	--
Antimony	mg/kg	0-0.5	1 / 178	1	15	15	1	2.45	15	1.079	15	NA	NA	X	15	Max Detect
Arsenic	mg/kg	0-0.5	176 / 178	99	1.5	14	0.5	0.5	4.882	4.833	4.2	4.933	2.221	--	--	--
Barium	mg/kg	0-0.5	178 / 178	100	57	595	NA	NA	149.2	149.2	130	6352	79.7	--	--	--
Beryllium	mg/kg	0-0.5	0 / 178	0	NA	NA	0.5	2.7	NA	NA	NA	NA	NA	--	--	--
Cadmium	mg/kg	0-0.5	6 / 178	3	1.4	7.4	0.5	4.9	2.683	0.574	1.75	5.438	2.332	--	--	--
Chromium, hexavalent	mg/kg	0-0.5	101 / 208	49	0.2	2700	0.1	2.35	30.59	14.91	0.84	72135	268.6	X	71.7	95% KM (Chebyshev) UCL
Chromium, total	mg/kg	0-0.5	212 / 212	100	4.9	2800	NA	NA	57.84	57.84	22	43797	209.3	X	121	95% Chebyshev (Mean, Sd) UCL
Cobalt	mg/kg	0-0.5	174 / 178	98	2.3	27	2.2	2.7	6.001	5.917	5.8	5.489	2.343	--	--	--
Copper	mg/kg	0-0.5	209 / 209	100	2.2	3100	NA	NA	37.82	37.82	12	48593	220.4	X	104	95% Chebyshev (Mean, Sd) UCL
Cyanide	mg/kg	0-0.5	1 / 41	2	0.22	0.22	0.05	2.45	0.22	0.067	0.22	NA	NA	X	0.22	Max Detect
Iron	mg/kg	0-0.5	47 / 47	100	6800	32000	NA	NA	16551	16551	15000	32318954	5685	--	--	--
Lead	mg/kg	0-0.5	179 / 179	100	1.9	920	NA	NA	25.33	25.33	8.8	7404	86.04	X	53.4	95% Chebyshev (Mean, Sd) UCL
Manganese	mg/kg	0-0.5	44 / 44	100	120	1300	NA	NA	303.2	303.2	260	40655	201.6	--	--	--
Mercury	mg/kg	0-0.5	17 / 179	9	0.11	35	0.0095	0.065	2.273	0.224	0.15	71.15	8.435	X	1.1	95% KM (Chebyshev) UCL
Molybdenum	mg/kg	0-0.5	27 / 178	15	1	19	0.5	2.7	4.141	1.055	1.6	22.74	4.769	--	--	--
Nickel	mg/kg	0-0.5	206 / 209	99	0.28	35	2.2	2.45	12.33	12.17	12	29.14	5.398	--	--	--
Selenium	mg/kg	0-0.5	3 / 178	2	1.1	9.1	0.5	2.45	4.033	0.56	1.9	19.41	4.406	--	--	--
Silver	mg/kg	0-0.5	0 / 178	0	NA	NA	0.5	2.7	NA	NA	NA	NA	NA	--	--	--
Thallium	mg/kg	0-0.5	0 / 178	0	NA	NA	1	5.5	NA	NA	NA	NA	NA	--	--	--
Vanadium	mg/kg	0-0.5	178 / 178	100	12	52	NA	NA	25.86	25.86	26	47.77	6.912	--	--	--
Zinc	mg/kg	0-0.5	209 / 209	100	11.3	1200	NA	NA	94.48	94.48	48	27674	166.4	X	145	95% Chebyshev (Mean, Sd) UCL
Volatile Organic Compounds																
1,2,4-Trimethylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Acetone	µg/kg	0-0.5	0 / 9	0	NA	NA	23	35.5	NA	NA	NA	NA	NA	--	--	--
Bromomethane	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Chloro methane	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Chloroform	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Ethyl- benzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Isopropylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Methyl acetate	µg/kg	0-0.5	0 / 4	0	NA	NA	2.85	3.55	NA	NA	NA	NA	NA	--	--	--
Methyl ethyl ketone	µg/kg	0-0.5	0 / 9	0	NA	NA	23	35.5	NA	NA	NA	NA	NA	--	--	--
Methylene chloride	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
N-Butylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
N-Propylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
sec-Butylbenzene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Toluene	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Xylene, m,p-	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Xylene, o-	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Xylenes, total	µg/kg	0-0.5	0 / 9	0	NA	NA	2.3	3.55	NA	NA	NA	NA	NA	--	--	--
Semi-Volatile Organic Compounds																
4-Methylphenol	µg/kg	0-0.5	1 / 133	1	430	430	165	41500	430	167.1	430	NA	NA	X	430	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-0.5	1 / 133	1	640	640	165	41500	640	169	640	NA	NA	X	640	Max Detect
Butylbenzylphthalate	µg/kg	0-0.5	0 / 133	0	NA	NA	165	41500	NA	NA	NA	NA	NA	--	--	--
Di-n-butyl phthalate	µg/kg	0-0.5	0 / 133	0	NA	NA	165	41500	NA	NA	NA	NA	NA	--	--	--
Isophorone	µg/kg	0-0.5	1 / 133	1	2800	2800	165	41500	2800	185.1	2800	NA	NA	X	2800	Max Detect
Polycyclic Aromatic Hydrocarbons																
PAH low molecular weight	µg/kg	0-0.5	94 / 179	53	5.2	3880	0	0	143.3	75.25	23.5	196922	443.8	X	320	99% KM (Chebyshev) UCL
PAH high molecular weight	µg/kg	0-0.5	141 / 179	79	5	32900	0	0	1431	1127	168	20257941	4501	X	4130	99% KM (Chebyshev) UCL
1-Methyl naphthalene	µg/kg	0-0.5	4 / 177	2	5.9	160	2.5	125	63.28	3.877	43.6	5406	73.53	X	5.77	95% KM (t) UCL
2-Methyl naphthalene	µg/kg	0-0.5	8 / 178	4	7.5	120	2.5	165	33.6	3.926	10	2032	45.08	X	7.82	95% KM (Chebyshev) UCL
Acenaphthene	µg/kg	0-0.5	6 / 178	3	5.1	51	2.5	165	15.37	2.943	8.4	308.2	17.56	X	4.3	95% KM (Chebyshev) UCL
Acenaphthylene	µg/kg	0-0.5	5 / 178	3	6.1	26	2.5	165	14.5	2.846	9.2	102.5	10.12	X	3.2	95% KM (t) UCL
Anthracene	µg/kg	0-0.5	18 / 178	10	5	710	2.5	165	69	9.259	23	26367	162.4	X	21.6	95% KM Approximate Gamma UCL
Benzo (a) anthracene	µg/kg	0-0.5	99 / 178	56	5.1	3400	2.5	1900	147.5	83.77	20	176026	419.6	X	189	95% KM (Chebyshev) UCL
Benzo (a) pyrene	µg/kg	0-0.5	107 / 178	60	5.1	4400	2.5	165	179.1	109.3	23	279743	528.9	X	246	95% KM (Chebyshev) UCL
Benzo (b) fluoranthene	µg/kg	0-0.5	127 / 179	71	5	15000	2.5	165	327.4	233.6	34	2007926	1417	X	626	95% KM (Chebyshev) UCL
Benzo (ghi) perylene	µg/kg	0-0.5	102 / 179	57	5	1500	2.5	1900	82.82	49.29	15.5	54951	234.4	X	109	95% KM (Chebyshev) UCL
Benzo (k) fluoranthene	µg/kg	0-0.5	103 / 178	58	5.2	5800	2.5	260	151.7	89.51	22	362672	602.2	X	241	95% KM (Chebyshev) UCL
Chrysene	µg/kg	0-0.5	125 / 178	70	5.1	5200	2.5	165	204.4	144.6	30	390086	624.6	X	318	95% KM (Chebyshev) UCL
Dibenzo (a,h) anthracene	µg/kg	0-0.5	29 / 178	16	5.1	530	2.5	1900	53.54	11.11	14	13292	115.3	X	27.7	95% KM (Chebyshev) UCL
Fluoranthene	µg/kg	0-0.5	131 / 179	73	5.1	8600	2.5	165	272.5	200.4	37	799090	893.9	X	453	95% KM (Chebyshev) UCL
Fluorene	µg/kg	0-0.5	4 / 178	2	6.6	9.8	2.5	165	8.625	2.643	9.05	1.963	1.401	X	2.78	95% KM (t) UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-0.5	93 / 178	52	5.3	1200	2.5	1900	81.84	44.9	18	44006	209.8	X	96.4	95% KM (Chebyshev) UCL

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Naphthalene	µg/kg	0-0.5	9 / 178	5	5	18	2.3	125	10.63	2.737	10	21.85	4.674	X	3.02	95% KM (t) UCL
Phenanthrene	µg/kg	0-0.5	90 / 178	51	5.2	3100	2.5	165	126.5	65.34	23	138778	372.5	X	154	95% KM (Chebyshev) UCL
Pyrene	µg/kg	0-0.5	129 / 179	72	5	6600	2.5	165	246.1	178.2	35	550192	741.7	X	387	95% KM (Chebyshev) UCL
B(a)P equivalent	µg/kg	0-0.5	141 / 179	79	5.8	8200	5.8	380	224.1	178.1	31	653556	808.4	--	--	--
Pesticides																
4,4-DDE	µg/kg	0-0.5	3 / 68	4	2.9	6.1	1	2	4.067	1.135	3.2	3.123	1.767	X	6.1	Max Detect
4,4-DDT	µg/kg	0-0.5	1 / 68	1	3	3	1	2	3	1.029	3	NA	NA	X	3	Max Detect
Alpha-Chlordane	µg/kg	0-0.5	1 / 68	1	12	12	0.5	1	12	0.669	12	NA	NA	X	12	Max Detect
Dieldrin	µg/kg	0-0.5	1 / 68	1	6.7	6.7	1	2	6.7	1.084	6.7	NA	NA	X	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-0.5	1 / 68	1	13	13	0.5	1	13	0.684	13	NA	NA	X	13	Max Detect
Polychlorinated Biphenyls																
Total PCBs	µg/kg	0-0.5	50 / 122	41	17	1930	0	49.5	259.4	106.8	75.75	162468	403.1	X	367	99% KM (Chebyshev) UCL
Dioxins																
TEQ Human	ng/kg	0-0.5	73 / 73	100	0.22	1600	NA	NA	91.16	91.16	12	59321	243.6	X	335	95% H-UCL
TEQ Avian	ng/kg	0-0.5	73 / 73	100	0.24	1100	NA	NA	56.02	56.02	8.6	21724	147.4	X	171	95% H-UCL
TEQ Mammals	ng/kg	0-0.5	73 / 73	100	0.22	1600	NA	NA	91.16	91.16	12	59321	243.6	X	335	95% H-UCL
2,3,7,8-TCDD	ng/kg	0-0.5	11 / 73	15	0.18	19	0.011	5	3.819	0.596	2.4	28.85	5.372	X	1.52	95% KM Approximate Gamma UCL
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	0-0.5	39 / 151	26	10	4000	5	107	208.7	57.73	28	512657	716	X	191	95% KM (Chebyshev) UCL
TPH as gasoline	mg/kg	0-0.5	0 / 2	0	NA	NA	0.8	1.1	NA	NA	NA	NA	NA	--	--	--
TPH as motor oil	mg/kg	0-0.5	97 / 151	64	10	8900	5	50.5	239	155.5	39	1056263	1028	X	450	95% KM (Chebyshev) UCL
Miscellaneous																
Chloride	mg/kg	0-0.5	2 / 3	67	5.9	7	2	2	6.45	4.967	6.45	0.605	0.778	X	7	Max Detect
Sulfate	mg/kg	0-0.5	3 / 3	100	13.3	27.4	NA	NA	18.8	18.8	15.7	56.91	7.544	X	27.4	Max Detect
Soil Depth Interval: 0-3 ft bgs																
Inorganic Compounds																
Aluminum	mg/kg	0-3	46 / 46	100	3000	20000	NA	NA	8614	8614	8100	14018322	3744	--	--	--
Antimony	mg/kg	0-3	5 / 188	3	1.77	19	0.2	2.45	7.28	0.389	3.5	55.21	7.43	X	0.601	95% KM (t) UCL
Arsenic	mg/kg	0-3	187 / 188	99	0.833	21	1.05	1.05	4.961	4.939	4.4	6.221	2.494	--	--	--
Barium	mg/kg	0-3	188 / 188	100	55.7	595	NA	NA	152.5	152.5	130	6797	82.44	--	--	--
Beryllium	mg/kg	0-3	0 / 188	0	NA	NA	0.05	2.55	NA	NA	NA	NA	NA	--	--	--
Cadmium	mg/kg	0-3	16 / 188	9	0.3	7.1	0.5	4.9	1.84	0.432	1.185	3.24	1.8	--	--	--
Chromium, hexavalent	mg/kg	0-3	131 / 228	57	0.137	1800	0.1	2	19.26	11.11	0.8	24944	157.9	X	45.8	95% KM (Chebyshev) UCL

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Chromium, total	mg/kg	0-3	231 / 231	100	5.63	4000	NA	NA	98.36	98.36	23.7	135451	368	X	204	95% Chebyshev (Mean, Sd) UCL
Cobalt	mg/kg	0-3	185 / 188	98	2.37	19	2.2	2.45	6.242	6.178	6.07	5.124	2.264	--	--	--
Copper	mg/kg	0-3	228 / 228	100	1.8	2070	NA	NA	45.16	45.16	12	36761	191.7	X	101	95% Chebyshev (Mean, Sd) UCL
Cyanide	mg/kg	0-3	1 / 44	2	0.22	0.22	0.05	2.45	0.22	0.0631	0.22	NA	NA	X	0.22	Max Detect
Iron	mg/kg	0-3	52 / 52	100	540	32000	NA	NA	16143	16143	15000	37311443	6108	--	--	--
Lead	mg/kg	0-3	188 / 189	99	1.9	1600	0.5	0.5	31.44	31.27	8.835	17113	130.8	X	72.7	95% KM (Chebyshev) UCL
Manganese	mg/kg	0-3	47 / 47	100	120	1300	NA	NA	296.4	296.4	260	38781	196.9	--	--	--
Mercury	mg/kg	0-3	25 / 189	13	0.07	60.3	0.0095	0.0617	3.563	0.479	0.15	161	12.69	X	1.99	95% KM (Chebyshev) UCL
Molybdenum	mg/kg	0-3	48 / 188	26	0.63	21.3	0.5	2.55	3.534	1.286	1.435	25.53	5.053	--	--	--
Nickel	mg/kg	0-3	225 / 228	99	0.28	270	2.2	2.45	13.96	13.79	12	339.8	18.43	--	--	--
Selenium	mg/kg	0-3	6 / 188	3	1.1	9.1	0.5	2.45	3.7	0.602	2.2	10.43	3.229	--	--	--
Silver	mg/kg	0-3	0 / 188	0	NA	NA	0.125	2.55	NA	NA	NA	NA	NA	--	--	--
Thallium	mg/kg	0-3	4 / 188	2	1.37	6.1	0.5	5	2.605	0.55	1.475	5.433	2.331	X	0.71	95% KM (Chebyshev) UCL
Vanadium	mg/kg	0-3	188 / 188	100	12.3	49	NA	NA	26.42	26.42	26.15	44.55	6.675	--	--	--
Zinc	mg/kg	0-3	228 / 228	100	8.08	2000	NA	NA	98.23	98.23	49.7	35246	187.7	X	152	95% Chebyshev (Mean, Sd) UCL
Volatile Organic Compounds																
1,2,4-Trimethylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Acetone	µg/kg	0-3	0 / 75	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--
Bromomethane	µg/kg	0-3	2 / 106	2	23	26	2	550	24.5	2.429	24.5	4.5	2.121	X	26	Max Detect
Chloro methane	µg/kg	0-3	3 / 106	3	5.5	11	2	550	8.567	2.189	9.2	7.863	2.804	X	11	Max Detect
Chloroform	µg/kg	0-3	1 / 106	1	11	11	2	550	11	2.086	11	NA	NA	X	11	Max Detect
Ethyl- benzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Isopropylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Methyl acetate	µg/kg	0-3	1 / 36	3	17	17	2.05	8	17	2.465	17	NA	NA	X	17	Max Detect
Methyl ethyl ketone	µg/kg	0-3	0 / 106	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--
Methylene chloride	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
N-Butylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
N-Propylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
sec-Butylbenzene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Toluene	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Xylene, m,p-	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Xylene, o-	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Xylenes, total	µg/kg	0-3	0 / 106	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Semi-Volatile Organic Compounds																
4-Methylphenol	µg/kg	0-3	2 / 140	1	214	345	165	27900	279.5	166.8	279.5	8581	92.63	X	345	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-3	2 / 140	1	354	482	165	27900	418	169.1	418	8192	90.51	X	482	Max Detect
Butylbenzylphthalate	µg/kg	0-3	0 / 140	0	NA	NA	165	27900	NA	NA	NA	NA	NA	--	--	--
Di-n-butyl phthalate	µg/kg	0-3	0 / 140	0	NA	NA	165	27900	NA	NA	NA	NA	NA	--	--	--
Isophorone	µg/kg	0-3	2 / 140	1	1040	28600	165	10500	14820	374.5	14820	380000000	19488	X	28600	Max Detect
Polycyclic Aromatic Hydrocarbons																
PAH low molecular weight	µg/kg	0-3	108 / 187	58	1.83	2600	0	0	102.2	59.02	17.45	81815	286	X	221	99% KM (Chebyshev) UCL
PAH high molecular weight	µg/kg	0-3	155 / 187	83	1.08	22900	0	0	1026	850.2	150	9370988	3061	X	2898	99% KM (Chebyshev) UCL
1-Methyl naphthalene	µg/kg	0-3	7 / 183	4	4.13	180	2.5	85.9	41.3	3.99	16.8	4065	63.75	X	6.38	95% KM Approximate Gamma UCL
2-Methyl naphthalene	µg/kg	0-3	10 / 186	5	5.85	160	2.5	165	30.67	4.057	10.26	2354	48.51	X	3.32	KM H-UCL
Acenaphthene	µg/kg	0-3	7 / 186	4	3.73	34.9	2.5	165	10.05	2.795	6.38	122.3	11.06	X	2.78	KM H-UCL
Acenaphthylene	µg/kg	0-3	7 / 186	4	3.4	18.2	2.5	165	8.733	2.744	6.1	40.28	6.347	X	2.96	95% KM Approximate Gamma UCL
Anthracene	µg/kg	0-3	23 / 186	12	3.97	476	2.5	165	40.56	7.255	16.7	9438	97.15	X	4.61	KM H-UCL
Benzo (a) anthracene	µg/kg	0-3	110 / 186	59	3.53	2450	2.5	1270	108.3	65.68	17.1	84508	290.7	X	139	95% KM (Chebyshev) UCL
Benzo (a) pyrene	µg/kg	0-3	117 / 186	63	3.67	2930	2.5	165	130.1	83.41	21.3	127445	357	X	176	95% KM (Chebyshev) UCL
Benzo (b) fluoranthene	µg/kg	0-3	139 / 187	74	3.47	10000	2.5	165	232.2	174	31.7	855771	925.1	X	430	95% KM (Chebyshev) UCL
Benzo (ghi) perylene	µg/kg	0-3	113 / 187	60	4.17	1400	2.5	1270	63.25	40.11	14	31818	178.4	X	85.4	95% KM (Chebyshev) UCL
Benzo (k) fluoranthene	µg/kg	0-3	114 / 186	61	4.33	3870	2.5	174	108.2	68.04	20.65	152161	390.1	X	167	95% KM (Chebyshev) UCL
Chrysene	µg/kg	0-3	137 / 186	74	3.2	3470	2.5	165	144.5	107.5	22.7	171219	413.8	X	223	95% KM (Chebyshev) UCL
Dibenzo (a,h) anthracene	µg/kg	0-3	36 / 186	19	3.67	356	2.5	1270	36.82	9.445	10.9	6468	80.43	X	21.7	95% KM (Chebyshev) UCL
Fluoranthene	µg/kg	0-3	146 / 187	78	3.83	5950	2.5	165	197.3	154.9	27.15	360889	600.7	X	326	95% KM (Chebyshev) UCL
Fluorene	µg/kg	0-3	4 / 186	2	5.25	7.4	2.5	165	6.608	2.593	6.89	0.885	0.941	X	2.68	95% KM (t) UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-3	103 / 186	55	4.38	1100	2.5	1270	60.56	35.61	13.3	24247	155.7	X	74	95% KM (Chebyshev) UCL
Naphthalene	µg/kg	0-3	11 / 186	6	3.6	21.3	2.33	165	8.212	2.694	6.58	26.82	5.179	X	2.94	95% KM (t) UCL
Phenanthrene	µg/kg	0-3	104 / 186	56	3.4	2080	2.5	165	90.83	52.04	17.9	57924	240.7	X	111	95% KM (Chebyshev) UCL
Pyrene	µg/kg	0-3	141 / 187	75	3.5	4600	2.5	165	179.2	136.1	26.3	256462	506.4	X	278	95% KM (Chebyshev) UCL
B(a)P equivalent	µg/kg	0-3	156 / 187	83	5.8	5470	5.8	380	165.4	139.3	29.05	288056	536.7	--	--	--
Pesticides																
4,4-DDE	µg/kg	0-3	4 / 72	6	2.9	6.1	1	1.67	4.15	1.175	3.8	2.11	1.453	X	1.35	95% KM (t) UCL

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
4,4-DDT	µg/kg	0-3	1 / 72	1	3	3	1	1.67	3	1.028	3	NA	NA	X	3	Max Detect
Alpha-Chlordane	µg/kg	0-3	1 / 72	1	12	12	0.5	0.833	12	0.66	12	NA	NA	X	12	Max Detect
Dieldrin	µg/kg	0-3	1 / 72	1	6.7	6.7	1	1.67	6.7	1.079	6.7	NA	NA	X	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-3	1 / 72	1	13	13	0.5	0.833	13	0.674	13	NA	NA	X	13	Max Detect
Polychlorinated Biphenyls																
Total PCBs	µg/kg	0-3	53 / 125	42	14.2	1930	0	41.5	222.4	95.02	76.5	153684	392	X	343	99% KM (Chebyshev) UCL
Dioxins																
TEQ Human	ng/kg	0-3	78 / 78	100	0.12	1600	NA	NA	83.31	83.31	13.75	43027	207.4	X	369	95% H-UCL
TEQ Avian	ng/kg	0-3	78 / 78	100	0.186	1100	NA	NA	56.33	56.33	9.2	19017	137.9	X	203	95% H-UCL
TEQ Mammals	ng/kg	0-3	78 / 78	100	0.12	1600	NA	NA	83.31	83.31	13.75	43027	207.4	X	369	95% H-UCL
2,3,7,8-TCDD	ng/kg	0-3	16 / 78	21	0.125	17	0.0213	5	3.933	0.838	0.962	32.91	5.737	X	1.83	95% KM Approximate Gamma UCL
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	0-3	57 / 159	36	5.92	2670	5	107	124.8	48.04	21	158069	397.6	X	133	95% KM (Chebyshev) UCL
TPH as gasoline	mg/kg	0-3	0 / 131	0	NA	NA	0.375	80	NA	NA	NA	NA	NA	--	--	--
TPH as motor oil	mg/kg	0-3	114 / 157	73	6.77	5940	5	35.3	193.4	142	36.2	408915	639.5	X	334	95% KM (Chebyshev) UCL
Miscellaneous																
Chloride	mg/kg	0-3	4 / 5	80	3.7	223	2	2	59.9	48.32	6.45	11825	108.7	X	223	Max Detect
Nitrate	mg/kg	0-3	1 / 1	100	17	17	NA	NA	17	NA	17	NA	NA	X	17	Max Detect
Phosphate	mg/kg	0-3	1 / 1	100	64.2	64.2	NA	NA	64.2	NA	64.2	NA	NA	X	64.2	Max Detect
Sulfate	mg/kg	0-3	5 / 5	100	7.3	585	NA	NA	129.7	129.7	15.7	64823	254.6	X	585	Max Detect
Soil Depth Interval: 0-6 ft bgs																
Inorganic Compounds																
Aluminum	mg/kg	0-6	46 / 46	100	3000	20000	NA	NA	8588	8588	8150	14477179	3805	--	--	--
Antimony	mg/kg	0-6	5 / 194	3	2.17	10	0.2	2.45	4.718	0.317	3.5	10.72	3.274	X	0.43	95% KM (t) UCL
Arsenic	mg/kg	0-6	193 / 194	99	1.02	18.2	1.05	1.05	4.886	4.866	4.27	5.48	2.341	--	--	--
Barium	mg/kg	0-6	194 / 194	100	35.7	595	NA	NA	153.5	153.5	133	7141	84.5	--	--	--
Beryllium	mg/kg	0-6	0 / 194	0	NA	NA	0.05	3.52	NA	NA	NA	NA	NA	--	--	--
Cadmium	mg/kg	0-6	17 / 194	9	0.3	3.8	0.5	4.9	1.492	0.406	1.2	0.899	0.948	--	--	--
Chromium, hexavalent	mg/kg	0-6	140 / 237	59	0.134	908	0.08	2	11.65	6.922	0.768	6156	78.46	X	24.1	95% KM (Chebyshev) UCL
Chromium, total	mg/kg	0-6	240 / 240	100	5.67	4000	NA	NA	96.18	96.18	25	135391	368	X	200	95% Chebyshev (Mean, Sd) UCL
Cobalt	mg/kg	0-6	191 / 194	98	2.2	14.4	2.2	2.45	6.323	6.26	6.2	4.232	2.057	--	--	--
Copper	mg/kg	0-6	235 / 235	100	2.2	1040	NA	NA	36.93	36.93	12.2	13389	115.7	X	69.8	95% Chebyshev (Mean, Sd) UCL
Cyanide	mg/kg	0-6	1 / 44	2	0.22	0.22	0.05	2.45	0.22	0.0631	0.22	NA	NA	X	0.22	Max Detect

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

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			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Iron	mg/kg	0-6	53 / 53	100	425	32000	NA	NA	15832	15832	15000	42302588	6504	--	--	--
Lead	mg/kg	0-6	194 / 195	99	1.9	803	0.5	0.5	23.21	23.1	7.725	5031	70.93	X	45.2	95% KM (Chebyshev) UCL
Manganese	mg/kg	0-6	47 / 47	100	120	1300	NA	NA	295.3	295.3	260	39088	197.7	--	--	--
Mercury	mg/kg	0-6	28 / 195	14	0.0633	102	0.0095	0.06	4.307	0.627	0.15	371.4	19.27	X	2.96	95% KM (Chebyshev) UCL
Molybdenum	mg/kg	0-6	60 / 195	31	0.63	34	0.5	3.52	3.168	1.338	1.3	29.03	5.388	--	--	--
Nickel	mg/kg	0-6	232 / 235	99	0.28	140	2.2	2.45	13.57	13.41	12	133.8	11.57	--	--	--
Selenium	mg/kg	0-6	9 / 194	5	0.683	9.1	0.5	2.45	2.815	0.608	1.5	8.324	2.885	--	--	--
Silver	mg/kg	0-6	0 / 194	0	NA	NA	0.125	3.52	NA	NA	NA	NA	NA	--	--	--
Thallium	mg/kg	0-6	4 / 194	2	1.75	6.1	0.5	7.1	3.063	0.558	2.2	4.227	2.056	X	0.621	95% KM (t) UCL
Vanadium	mg/kg	0-6	194 / 194	100	12.2	45	NA	NA	26.99	26.99	27	46.44	6.815	--	--	--
Zinc	mg/kg	0-6	235 / 235	100	4.46	1020	NA	NA	86.82	86.82	48	17478	132.2	X	124	95% Chebyshev (Mean, Sd) UCL
Volatile Organic Compounds																
1,2,4-Trimethylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
1,3,5-Trimethylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Acetone	µg/kg	0-6	0 / 83	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--
Bromomethane	µg/kg	0-6	2 / 111	2	19.6	23.5	2	550	21.55	2.359	21.55	7.605	2.758	X	23.5	Max Detect
Chloro methane	µg/kg	0-6	3 / 111	3	5.14	10.1	2	550	7.773	2.16	8.08	6.221	2.494	X	10.1	Max Detect
Chloroform	µg/kg	0-6	1 / 111	1	9.89	9.89	2	550	9.89	2.072	9.89	NA	NA	X	9.89	Max Detect
Ethyl- benzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Isopropylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Methyl acetate	µg/kg	0-6	1 / 36	3	17	17	2.05	8	17	2.465	17	NA	NA	X	17	Max Detect
Methyl ethyl ketone	µg/kg	0-6	0 / 111	0	NA	NA	20	5500	NA	NA	NA	NA	NA	--	--	--
Methylene chloride	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
N-Butylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
N-Propylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
sec-Butylbenzene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Toluene	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Xylene, m,p-	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Xylene, o-	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Xylenes, total	µg/kg	0-6	0 / 111	0	NA	NA	2	550	NA	NA	NA	NA	NA	--	--	--
Semi-Volatile Organic Compounds																
4-Methylphenol	µg/kg	0-6	2 / 145	1	263	313	165	28000	288	166.8	288	1250	35.36	X	313	Max Detect
Bis (2-ethylhexyl) phthalate	µg/kg	0-6	2 / 145	1	323	733	165	28000	528	170.5	528	84050	289.9	X	733	Max Detect

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

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			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Butylbenzylphthalate	µg/kg	0-6	0 / 145	0	NA	NA	165	28000	NA	NA	NA	NA	NA	--	--	--
Di-n-butyl phthalate	µg/kg	0-6	0 / 145	0	NA	NA	165	28000	NA	NA	NA	NA	NA	--	--	--
Isophorone	µg/kg	0-6	2 / 145	1	604	28300	165	10500	14452	362.1	14452	384000000	19584	X	28300	Max Detect
Polycyclic Aromatic Hydrocarbons																
PAH low molecular weight	µg/kg	0-6	111 / 193	58	1.37	1310	0	0	73.65	42.36	12	28343	168.4	X	138	99% KM (Chebyshev) UCL
PAH high molecular weight	µg/kg	0-6	159 / 193	82	1.9	13400	0	0	689	567.6	104	3411910	1847	X	1783	99% KM (Chebyshev) UCL
1-Methyl naphthalene	µg/kg	0-6	7 / 189	4	3.77	200	2.5	86.7	45.16	4.087	30.3	4840	69.57	X	6.65	95% KM Approximate Gamma UCL
2-Methyl naphthalene	µg/kg	0-6	10 / 192	5	4.2	200	2.5	165	33.87	4.159	10.65	3570	59.75	X	6.66	95% KM Approximate Gamma UCL
Acenaphthene	µg/kg	0-6	8 / 192	4	3.4	18.7	2.5	165	7.65	2.722	4.52	38.04	6.168	X	3.26	95% KM (Chebyshev) UCL
Acenaphthylene	µg/kg	0-6	7 / 192	4	3.77	10.4	2.5	165	5.981	2.633	4.68	8.656	2.942	X	2.75	95% KM (BCA) UCL
Anthracene	µg/kg	0-6	26 / 192	14	3.4	241	2.5	165	25.44	5.649	10.5	2306	48.02	X	4.29	KM H-UCL
Benzo (a) anthracene	µg/kg	0-6	114 / 192	59	3.4	1410	2.5	635	76.1	46.68	13.45	33864	184	X	92.8	95% KM (Chebyshev) UCL
Benzo (a) pyrene	µg/kg	0-6	122 / 192	64	2.93	1470	2.5	165	85.19	55.63	18.4	42978	207.3	X	109	95% KM (Chebyshev) UCL
Benzo (b) fluoranthene	µg/kg	0-6	145 / 193	75	2.75	5000	2.5	165	147.8	112.3	23	242762	492.7	X	248	95% KM (Chebyshev) UCL
Benzo (ghi) perylene	µg/kg	0-6	116 / 193	60	2.83	1400	2.5	635	45.58	29.11	11.9	20386	142.8	X	64.5	95% KM (Chebyshev) UCL
Benzo (k) fluoranthene	µg/kg	0-6	118 / 192	61	3.43	1940	2.5	165	70.37	44.82	14.8	42588	206.4	X	96.8	95% KM (Chebyshev) UCL
Chrysene	µg/kg	0-6	142 / 192	74	3	1740	2.5	165	94.8	71.12	18.5	53700	231.7	X	135	95% KM (Chebyshev) UCL
Dibenzo (a,h) anthracene	µg/kg	0-6	40 / 192	21	3.37	340	2.5	635	26.24	7.711	9.615	3506	59.21	X	5.53	KM H-UCL
Fluoranthene	µg/kg	0-6	149 / 193	77	2.96	3200	2.5	165	136.3	106	24	129549	359.9	X	207	95% KM (Chebyshev) UCL
Fluorene	µg/kg	0-6	6 / 192	3	3.02	9.34	2.5	165	5.12	2.586	4.73	4.807	2.192	X	2.67	95% KM (t) UCL
Indeno (1,2,3-cd) pyrene	µg/kg	0-6	106 / 192	55	3.47	1100	2.5	635	43.35	25.77	11.1	14491	120.4	X	54.7	95% KM (Chebyshev) UCL
Naphthalene	µg/kg	0-6	11 / 192	6	3.29	26.7	2.15	165	7.202	2.451	5.07	43.58	6.601	X	2.45	KM H-UCL
Phenanthrene	µg/kg	0-6	107 / 192	56	3.51	1050	2.5	165	64.64	37.26	13.7	20232	142.2	X	72.1	95% KM (Chebyshev) UCL
Pyrene	µg/kg	0-6	144 / 193	75	3.06	2500	2.5	165	123.5	93.1	22.55	94310	307.1	X	178	95% KM (Chebyshev) UCL
B(a)P equivalent	µg/kg	0-6	160 / 193	83	5.82	2740	5.8	380	112.8	94.88	23.95	94316	307.1	--	--	--
Pesticides																
4,4-DDE	µg/kg	0-6	5 / 73	7	1.29	6.1	1	1.33	3.244	1.154	2.9	3.09	1.758	X	1.31	95% KM (t) UCL
4,4-DDT	µg/kg	0-6	1 / 73	1	3	3	1	1.33	3	1.027	3	NA	NA	X	3	Max Detect
Alpha-Chlordane	µg/kg	0-6	1 / 73	1	12	12	0.5	0.667	12	0.658	12	NA	NA	X	12	Max Detect
Dieldrin	µg/kg	0-6	1 / 73	1	6.7	6.7	1	1.33	6.7	1.078	6.7	NA	NA	X	6.7	Max Detect
Gamma-Chlordane	µg/kg	0-6	1 / 73	1	13	13	0.5	0.667	13	0.671	13	NA	NA	X	13	Max Detect
Polychlorinated Biphenyls																
Total PCBs	µg/kg	0-6	56 / 127	44	11.3	1420	0	35.3	159.9	71.57	54.5	78829	280.8	X	251	99% KM (Chebyshev) UCL

Table OCSxBCW+AOC4-3.1
Summary Statistics and Exposure Point Concentrations for Soil Data in the Baseline (No Scouring) Scenario for Outside the Compressor station (excluding BCW and AOC 4) (0-0.5 ft bgs, 0-3 ft bgs, and 0-6 ft bgs)

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			Summary Statistics for Depth-Weighted Soil Datasets												Exposure Point Concentration [b,c]	
Constituent [a]	Units	Depth (ft bgs)	Detects / Total	FOD	Minimum Detect	Maximum Detect	Minimum Nondetect	Maximum Nondetect	Mean Detected	KM Mean	Median	Variance	Standard Deviation	COPEC?	Depth-Weighted UCL	Depth-Weighted UCL Basis
Dioxins																
TEQ Human	ng/kg	0-6	80 / 80	100	0.12	1600	NA	NA	80.54	80.54	12.45	42335	205.8	X	364	95% H-UCL
TEQ Avian	ng/kg	0-6	80 / 80	100	0.133	1100	NA	NA	55.94	55.94	8.07	19063	138.1	X	204	95% H-UCL
TEQ Mammals	ng/kg	0-6	80 / 80	100	0.12	1600	NA	NA	80.54	80.54	12.45	42335	205.8	X	364	95% H-UCL
2,3,7,8-TCDD	ng/kg	0-6	16 / 80	20	0.215	16.7	0.0212	5	3.201	0.669	0.739	21.21	4.605	X	0.472	KM H-UCL
Total Petroleum Hydrocarbons																
TPH as diesel	mg/kg	0-6	62 / 164	38	5.46	1340	5	107	97.45	40.03	19.8	58639	242.2	X	93	95% KM (Chebyshev) UCL
TPH as gasoline	mg/kg	0-6	0 / 136	0	NA	NA	0.375	80	NA	NA	NA	NA	NA	--	--	--
TPH as motor oil	mg/kg	0-6	125 / 162	77	5.46	2980	5	20.2	167.6	130.5	29.3	186992	432.4	X	263	95% KM (Chebyshev) UCL
Miscellaneous																
Chloride	mg/kg	0-6	5 / 6	83	3.7	3010	2	2	649.9	541.9	7	1749487	1323	X	3010	Max Detect
Nitrate	mg/kg	0-6	2 / 2	100	17	29	NA	NA	23	23	23	72	8.485	X	29	Max Detect
Phosphate	mg/kg	0-6	2 / 2	100	10.7	64.2	NA	NA	37.45	37.45	37.45	1431	37.83	X	64.2	Max Detect
Sulfate	mg/kg	0-6	6 / 6	100	7.3	1630	NA	NA	379.8	379.8	21.55	426988	653.4	X	1630	Max Detect

Notes:
[a] The constituent consists of analytes detected at least once at the Topock Compressor Station site and measured in soil in this exposure area.
[b] If fewer than eight total locations and four total detected concentrations, the maximum depth-weighted concentration was selected as the EPC. Otherwise, the UCL was selected as the EPC.
[c] EPCs and summary statistics were not calculated for some constituents (i.e., dioxin congeners and essential nutrients). Those data, if available, are presented in Attachment A1 of each exposure area-specific appendix.

Abbreviations:
"--" = not applicable
AOC = area of concern
B(a)P equivalent = benzo(a)pyrene equivalent
BCA = Bias-corrected accelerated bootstrap method
BCW = Bat Cave Wash
COPEC = constituent of potential ecological concern
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
EPC = exposure point concentration
FOD = frequency of detection
ft bgs = feet below ground surface
KM = Kaplan-Meier
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NA = not applicable
ND = not detected
ng/kg = nanograms per kilogram
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyls
PG&E = Pacific Gas and Electric Company
TCDD = Tetrachlorodibenzo-p-dioxin
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons
UCL = upper confidence limit
X = COPEC in the exposure depth interval

Table OCSxBCW+AOC4-5.1
Summary of COPECs Evaluated in the ERA for OCS (excluding BCW and AOC 4)

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COPEC[a]	Baseline (0-6 ft bgs)
Inorganics	
Antimony	X
Chromium, hexavalent	X
Chromium, total	X
Copper	X
Cyanide	X
Lead	X
Mercury	X
Thallium	X
Zinc	X
Volatile Organic Compounds	
Bromomethane	X
Chloro methane	X
Chloroform	X
Methyl acetate	X
Semi-Volatile Organic Compounds	
4-Methylphenol	X
Bis (2-ethylhexyl) phthalate	X
Isophorone	X
Polycyclic Aromatic Hydrocarbons	
PAH Low molecular weight	X
PAH High molecular weight	X
Pesticides	
4,4-DDT	X
4,4-DDE	X
Alpha-Chlordane	X
Dieldrin	X
Gamma-Chlordane	X
Polychlorinated Biphenyls	
Total PCBs	X
Dioxins	
TEQ Avian	X
TEQ Mammals	X
Total Petroleum Hydrocarbons	
TPH as diesel	X
TPH as motor oil	X

Notes:

[a] COPECs selected over the entire soil depth interval (0-6 ft bgs) potentially contacted by ecological receptors. COPECs based on background screening for metals, PAHs, and dioxins. All detected organic compounds were selected as COPECs. See Section 2 of Appendix OCSxBCW+AOC4 for details.

Abbreviations:

AOC = area of concern
BCW = Bat Cave Wash
COPEC = constituent of potential ecological concern
ERA = ecological risk assessment
ft bgs = feet below ground surface
OCS = Outside Compressor Station
PAH = polycyclic aromatic hydrocarbons
PCB = polychlorinated biphenyl
TPH = total petroleum hydrocarbon
X = COPEC in that exposure depth interval

Table OCSxBCW+AOC4-5.2
Soil Exposure Point Concentration Matrix for Terrestrial Ecological Receptors

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Ecological Receptor	Exposure Depth Intervals for Calculation of EPCs				
	Soil EPCs[a]		Biota Tissue EPCs		
	All AOCs		All AOCs		
	0-0.5 ft bgs	Maximum EPC (0-0.5, 0-3, 0-6 ft bgs)	Plants - Maximum EPC (0-0.5, 0-3, 0-6 ft bgs)	Insects (0-0.5 ft bgs)	Invertivorous Mammals (0-0.5 ft bgs)
Terrestrial Receptors					
Red-Tailed Hawk	X				X
Desert Kit Fox		X			X
Nelson's Desert Bighorn Sheep		X	X		

Notes:

[a] Exposure point concentrations for ecological receptors will be represented by the maximum detected concentation, depth-weighted 95% UCL, and spatially-weighted 95% UCL, as relevant for this AOC. See Section 5 of Appendix OCSxBCW+AOC4 for details.

Abbreviations:

95% UCL = 95 percent upper confidence limit
AOC = area of concern
BCW = Bat Cave Wash
EPC = exposure point concentration
ft bgs = feet below ground surface
OCS = Outside Compressor Station
X = representative EPC for the pathway/receptor

Table OCSxBCW+AOC4-5.3
Baseline Scenario Depth-Weighted Exposure Point Concentrations for Soil and Biota for OCS (excluding BCW and AOC 4)

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COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Inorganics								
Antimony	mg/kg	**1.50E+01** m	6.01E-01	4.30E-01	**5.00E-01**	2.45E-02	1.79E-02	7.50E-01
Chromium, hexavalent	mg/kg	**7.17E+01**	4.58E+01	2.41E+01	**2.94E+00**	1.88E+00	9.88E-01	5.34E+00
Chromium, total	mg/kg	1.21E+02	**2.04E+02**	2.00E+02	4.96E+00	**8.36E+00**	8.20E+00	7.84E+00
Copper	mg/kg	**1.04E+02**	1.01E+02	6.98E+01	**1.22E+01**	1.20E+01	1.04E+01	1.51E+01
Cyanide	mg/kg	**2.20E-01** m	**2.20E-01** m	**2.20E-01** m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Lead	mg/kg	5.34E+01	**7.27E+01**	4.52E+01	2.47E+00	**2.93E+00**	2.25E+00	6.27E+00
Mercury	mg/kg	1.10E+00	1.99E+00	**2.96E+00**	3.89E-01	5.37E-01	**6.67E-01**	2.11E-01
Thallium	mg/kg	-- nd	**7.10E-01**	6.21E-01	--	**2.84E-03**	2.48E-03	--
Zinc	mg/kg	1.45E+02	**1.52E+02**	1.24E+02	7.61E+01	**7.81E+01**	6.98E+01	1.12E+02
Volatile Organic Compounds								
Bromomethane	mg/kg	-- nd	**2.60E-02** m	2.35E-02 m	--	**0.00E+00**	**0.00E+00**	--
Chloro methane	mg/kg	-- nd	**1.10E-02** m	1.01E-02 m	--	**0.00E+00**	**0.00E+00**	--
Chloroform	mg/kg	-- nd	**1.10E-02** m	9.89E-03 m	--	**0.00E+00**	**0.00E+00**	--
Methyl acetate	mg/kg	-- nd	**1.70E-02** m	**1.70E-02** m	--	**0.00E+00**	**0.00E+00**	--
Semi-Volatile Organic Compounds								
4-Methylphenol	mg/kg	**4.30E-01** m	3.45E-01 m	3.13E-01 m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Bis (2-ethylhexyl) phthalate	mg/kg	6.40E-01 m	4.82E-01 m	**7.33E-01** m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Isophorone	mg/kg	2.80E+00 m	**2.86E+01** m	2.83E+01 m	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Polycyclic Aromatic Hydrocarbons								
PAH Low molecular weight	mg/kg	**3.20E-01**	2.21E-01	1.38E-01	**1.59E-01**	1.34E-01	1.09E-01	0.00E+00
PAH High molecular weight	mg/kg	**4.13E+00**	2.90E+00	1.78E+00	**6.98E-01**	4.99E-01	3.15E-01	0.00E+00
Pesticides								
4,4-DDT	mg/kg	**3.00E-03** m	**3.00E-03** m	**3.00E-03** m	**1.03E-03**	**1.03E-03**	**1.03E-03**	3.90E-01
4,4-DDE	mg/kg	**6.10E-03** m	1.35E-03	1.31E-03	**1.75E-03**	5.62E-04	5.50E-04	1.05E+01
Alpha-Chlordane	mg/kg	**1.20E-02** m	**1.20E-02** m	**1.20E-02** m	**2.28E-03**	**2.28E-03**	**2.28E-03**	3.50E-01
Dieldrin	mg/kg	**6.70E-03** m	**6.70E-03** m	**6.70E-03** m	**2.75E-03**	**2.75E-03**	**2.75E-03**	1.18E-01
Gamma-Chlordane	mg/kg	**1.30E-02** m	**1.30E-02** m	**1.30E-02** m	**2.47E-03**	**2.47E-03**	**2.47E-03**	3.79E-01
Polychlorinated Biphenyls								
Total PCBs	mg/kg	**3.67E-01**	3.43E-01	2.51E-01	**3.67E-03**	3.43E-03	2.51E-03	2.62E-02
Dioxins								
TEQ Avian	ng/kg	1.71E+02	2.03E+02	**2.04E+02**	9.58E-01	1.14E+00	**1.14E+00**	1.63E+02
TEQ Mammals	ng/kg	3.35E+02	**3.69E+02**	3.64E+02	1.88E+00	**2.07E+00**	2.04E+00	3.41E+02

Notes:

[a] Calculated using selected soil EPC and uptake model. See Section 6 of the main report.

[b] Biota EPCs equal to 0.0 indicate no bioaccumulation from soil.

Bold indicates EPC selected to estimate plant uptake from soil (maximum of surface, shallow, and subsurface l soil).

Abbreviations:

-- = soil EPC or uptake model not available, biota EPCs could not be estimated.
AOC = area of concern
BCW = Bat Cave Wash
EPC = exposure point concentration
ft bgs = feet below ground surface
m = maximum depth-weighted concentration
mg/kg = milligrams per kilogram
nd = not detected in this depth interval
ng/kg = nanograms per kilogram
OCS = Outside Compressor Station

Table OCSxBCW+AOC4-5.4a
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for OCS (excluding BCW and AOC 4)

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	7E-01	7E-02	**2E+00**	2E-01	--	--	--	--	--	--
Chromium, hexavalent	2E-01	2E-02	3E-02	7E-03	4E-02	9E-03	--	--	--	--	--	--
Chromium, total	3E-01	5E-02	2E-01	5E-02	4E-01	1E-01	--	--	--	--	--	--
Copper	3E-01	1E-01	1E-01	7E-02	1E-01	6E-02	6E-01	3E-02	2E-01	1E-03	4E-01	1E-03
Cyanide	6E-03	6E-04	5E-05	2E-05	3E-04	1E-04	--	--	--	--	--	--
Lead	3E-01	2E-01	6E-02	3E-02	1E-01	5E-02	**4E+01**	6E-02	3E-01	1E-03	5E-01	2E-03
Mercury	5E-01	1E-01	4E-02	3E-03	1E-01	7E-03	5E-01	1E-01	4E-02	3E-03	1E-01	7E-03
Thallium	--	--	1E-03	5E-04	8E-03	3E-03	--	--	1E-03	5E-04	8E-03	3E-03
Zinc	1E-01	5E-02	5E-02	1E-02	2E-02	6E-03	5E-01	5E-02	4E-01	1E-02	3E-01	6E-03
Volatile Organic Compounds												
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	7E-07	3E-07	4E-06	2E-06	--	--	--	--	--	--
Methyl acetate	--	--	2E-07	5E-08	1E-06	3E-07	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phtl	6E-04	6E-05	4E-05	4E-06	3E-04	3E-05	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	2E-05	2E-06	5E-06	1E-06	5E-05	1E-05	--	--	6E-06	2E-06	1E-04	3E-05
PAH High molecular weight	5E-04	5E-05	7E-03	1E-03	4E-02	9E-03	--	--	3E-03	1E-04	3E-02	1E-03
Pesticides												
4,4-DDT	1E-01	1E-02	9E-02	2E-02	3E-04	5E-05	**3E+00**	2E-02	2E-02	9E-04	5E-05	2E-06
4,4-DDE	**4E+00**	4E-01	**3E+00**	5E-01	5E-04	1E-04	**9E+01**	1E+00	5E-01	2E-02	8E-05	4E-06
Alpha-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	1E-05	--	--	--	--	--	--
Dieldrin	1E-01	2E-03	3E-01	1E-01	6E-03	3E-03	--	--	--	--	--	--
Gamma-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	2E-05	--	--	--	--	--	--
Polychlorinated Biphenyls												
Total PCBs	3E-02	2E-03	4E-03	1E-03	7E-03	2E-03	3E-02	2E-03	4E-03	1E-03	7E-03	2E-03
Dioxins												
TEQ Avian	9E-01	9E-02	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	**1E+01**	1E+00	**2E+00**	2E-01	--	--	--	--	--	--

Notes:

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BCW = Bat Cave Wash
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value
OCS = Outside Compressor Station

Table OCSxBCW+AOC4-5.4b

Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs and BTAG TRVs) for OCS (excluding BCW and AOC 4)

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 0.007		SUF = 0.006		SUF = 0.01		SUF = 0.007		SUF = 0.006		SUF = 0.01	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	4E-03	4E-04	2E-02	2E-03	--	--	--	--	--	--
Chromium, hexavalent	1E-03	1E-04	2E-04	4E-05	5E-04	1E-04	--	--	--	--	--	--
Chromium, total	2E-03	4E-04	1E-03	3E-04	6E-03	1E-03	--	--	--	--	--	--
Copper	2E-03	8E-04	7E-04	4E-04	2E-03	9E-04	4E-03	2E-04	1E-03	6E-06	5E-03	2E-05
Cyanide	4E-05	4E-06	3E-07	1E-07	4E-06	1E-06	--	--	--	--	--	--
Lead	2E-03	1E-03	4E-04	2E-04	1E-03	7E-04	3E-01	5E-04	2E-03	7E-06	7E-03	3E-05
Mercury	3E-03	7E-04	2E-04	2E-05	2E-03	1E-04	3E-03	7E-04	2E-04	2E-05	2E-03	1E-04
Thallium	--	--	9E-06	3E-06	1E-04	4E-05	--	--	9E-06	3E-06	1E-04	4E-05
Zinc	1E-03	4E-04	3E-04	8E-05	3E-04	8E-05	4E-03	4E-04	3E-03	6E-05	4E-03	8E-05
Volatile Organic Compounds												
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	4E-09	2E-09	6E-08	2E-08	--	--	--	--	--	--
Methyl acetate	--	--	1E-09	3E-10	2E-08	4E-09	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phthalate	5E-06	5E-07	2E-07	2E-08	4E-06	4E-07	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	1E-07	1E-08	3E-08	6E-09	8E-07	2E-07	--	--	4E-08	1E-08	1E-06	5E-07
PAH High molecular weight	3E-06	3E-07	4E-05	8E-06	6E-04	1E-04	--	--	2E-05	7E-07	5E-04	2E-05
Pesticides												
4,4-DDT	1E-03	1E-04	6E-04	1E-04	4E-06	8E-07	3E-02	2E-04	1E-04	5E-06	6E-07	3E-08
4,4-DDE	3E-02	3E-03	1E-02	3E-03	7E-06	1E-06	7E-01	1E-02	3E-03	1E-04	1E-06	6E-08
Alpha-Chlordane	1E-04	2E-05	2E-05	8E-06	4E-07	2E-07	--	--	--	--	--	--
Dieldrin	1E-03	2E-05	2E-03	8E-04	9E-05	4E-05	--	--	--	--	--	--
Gamma-Chlordane	1E-04	2E-05	2E-05	9E-06	4E-07	2E-07	--	--	--	--	--	--
Polychlorinated Biphenyls												
Total PCBs	2E-04	1E-05	2E-05	6E-06	1E-04	3E-05	2E-04	1E-05	2E-05	6E-06	1E-04	3E-05
Dioxins												
TEQ Avian	7E-03	7E-04	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	7E-02	7E-03	3E-02	3E-03	--	--	--	--	--	--

Notes:

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BCW = Bat Cave Wash
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value
OCS = Outside Compressor Station

Table OCSxBCW+AOC4-6.1
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs) for the OCS (Excluding BCW and AOC 4)

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COPEC	HQs based on Selected TRVs								
	Red-Tailed Hawk			Desert Kit Fox			Nelson's Desert Bighorn Sheep		
	Depth-Weighted SUF = 0.01		WOE Result[a]	Depth-Weighted SUF = 0.01		WOE Result[a]	Depth-Weighted SUF = 0.01		WOE Result[a]
	NOAEL	LOAEL		NOAEL	LOAEL		NOAEL	LOAEL	
Inorganics									
Antimony	--	--	--	4E-03	4E-04	HQ ≤ 1	2E-02	2E-03	HQ ≤ 1
Chromium, hexavalent	1E-03	1E-04	HQ ≤ 1	2E-04	4E-05	HQ ≤ 1	5E-04	1E-04	HQ ≤ 1
Chromium, total	2E-03	4E-04	HQ ≤ 1	1E-03	3E-04	HQ ≤ 1	6E-03	1E-03	HQ ≤ 1
Copper	2E-03	8E-04	HQ ≤ 1	7E-04	4E-04	HQ ≤ 1	2E-03	9E-04	HQ ≤ 1
Cyanide	4E-05	4E-06	HQ ≤ 1	3E-07	1E-07	HQ ≤ 1	4E-06	1E-06	HQ ≤ 1
Lead	2E-03	1E-03	HQ ≤ 1	4E-04	2E-04	HQ ≤ 1	1E-03	7E-04	HQ ≤ 1
Mercury	3E-03	7E-04	HQ ≤ 1	2E-04	2E-05	HQ ≤ 1	2E-03	1E-04	HQ ≤ 1
Thallium	--	--	--	9E-06	3E-06	HQ ≤ 1	1E-04	4E-05	HQ ≤ 1
Zinc	1E-03	4E-04	HQ ≤ 1	3E-04	8E-05	HQ ≤ 1	3E-04	8E-05	HQ ≤ 1
Volatile Organic Compounds									
Bromomethane	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	4E-09	2E-09	HQ ≤ 1	6E-08	2E-08	HQ ≤ 1
Methyl acetate	--	--	--	1E-09	3E-10	HQ ≤ 1	2E-08	4E-09	HQ ≤ 1
Semi-Volatile Organic Compounds									
4-Methylphenol	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phthalate	5E-06	5E-07	HQ ≤ 1	2E-07	2E-08	HQ ≤ 1	4E-06	4E-07	HQ ≤ 1
Isophorone	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	1E-07	1E-08	HQ ≤ 1	3E-08	6E-09	HQ ≤ 1	8E-07	2E-07	HQ ≤ 1
PAH High molecular weight	3E-06	3E-07	HQ ≤ 1	4E-05	8E-06	HQ ≤ 1	6E-04	1E-04	HQ ≤ 1
Pesticides									
4,4-DDT	1E-03	1E-04	HQ ≤ 1	6E-04	1E-04	HQ ≤ 1	4E-06	8E-07	HQ ≤ 1
4,4-DDE	3E-02	3E-03	HQ ≤ 1	1E-02	3E-03	HQ ≤ 1	7E-06	1E-06	HQ ≤ 1
Alpha-Chlordane	1E-04	2E-05	HQ ≤ 1	2E-05	8E-06	HQ ≤ 1	4E-07	2E-07	HQ ≤ 1
Dieldrin	1E-03	2E-05	HQ ≤ 1	2E-03	8E-04	HQ ≤ 1	9E-05	4E-05	HQ ≤ 1
Gamma-Chlordane	1E-04	2E-05	HQ ≤ 1	2E-05	9E-06	HQ ≤ 1	4E-07	2E-07	HQ ≤ 1
Polychlorinated Biphenyls									
Total PCBs	2E-04	1E-05	HQ ≤ 1	2E-05	6E-06	HQ ≤ 1	1E-04	3E-05	HQ ≤ 1
Dioxins									
TEQ Avian	7E-03	7E-04	HQ ≤ 1	--	--	--	--	--	--
TEQ Mammals	--	--	--	7E-02	7E-03	HQ ≤ 1	3E-02	3E-03	HQ ≤ 1

Table OCSxBCW+AOC4-6.1
Ecological Risk Estimate Summary for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Wildlife Species-Specific SUF, Selected TRVs) for the OCS (Excluding BCW and AOC 4)

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Notes:
[a] WOE Result is risk conclusion based on 1.) HQ/LOAEL HQ using depth-weighted EPCs, and 2.) supporting LOE. Area-weighted EPCs were not evaluated for this exposure area.

	NOAEL HQ greater than 1
	LOAEL HQ greater than 1
	LOAEL HQ greater than 10
	LOAEL HQ greater than 100

Abbreviations:
-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BCW = Bat Cave Wash
HQ = hazard quotient
LOE = line of evidence
LOAEL = lowest observed adverse effect level
ND = not detected
NOAEL = no-observed adverse effect level
no SL = no screening level available
OCS = Outside Compressor Station
TEQ = toxic equivalent
WOE = weight of evidence, considering multiple LOE. If LOAEL HQs > 1, WOE Result is either 1) not expected, 2) unlikely, or 3) possible.

Table OCSxBCW+AOC4-6.2
Risk Conclusions and Lines of Evidence Summary for Outside the Compressor Station Excluding BCW and AOC 4

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

AOC	Receptor	COPEC[a]	Area-Weighted HQs: Mammal/ Bird NOAEL	Area-Weighted HQs: Mammal/ Bird LOAEL	Additional Lines of Evidence[c]: Low FOD (Max = EPC)[b]	Locations > BTV	Locations > 10xBTV	Background HQs[d]: NOAEL	Background HQs[d]: LOAEL	BAFs	Quality of SL or TRV	Exposure Assumptions[e]	Observation of T&E species[f]	Other LOE	Risk Conclusions: Individuals	Risk Conclusions: Populations	Risk Driver (LOAEL HQ > 1 and Supporting LOE)[g]
Large Home Range Receptors																	
Outside the Compressor Station (Other Areas)	Desert kit fox	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No
	Nelson's Desert Bighorn Sheep	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No
	Red-tailed hawk	None	HQs < 1	HQs < 1	--	--	--	--	--	--	--	--	--	--	Not expected	Not expected	No

Notes:

a COPECs are presented for HQs greater than 1 based on the depth-weighted EPC and/or area-weighted EPC and species and site-specific SUF.

b The EPC is based on the maximum depth-weighted concentration due to the small dataset size.
c The additional lines of evidence for COPECs with NOAEL and LOAEL HQs less than or equal to 1 (based on the area-weighted EPC and species and site-specific SUF) are not included in the table.
d For plants and soil invertebrates, the background HQ is based on the BTV. For mammals and birds, the NOAEL and LOAEL background HQs are based on the 95 percent upper confidence limit.
e Applicable to wildlife, unless noted.
f In areas where observations were noted, the T&E species observed have large home ranges and unlikely to forage in upland habitat. See text for details.
g For dioxin TEQ, LOAEL HQs less than 10 with supporting LOE were considered unlikely to pose an unacceptable risk to populations of wildlife receptors due to the compounded conservative assumptions included in the ecological risk assessment. See Section 6.7.6 of the main report.
h Depth-weighted EPC resulted in an HQ or NOAEL-based HQ less than 1, and is less than the area-weighted HQ or NOAEL-based HQ.
i Although a BTV is not available, concentrations were at or below the reporting limit except for the number of locations noted.

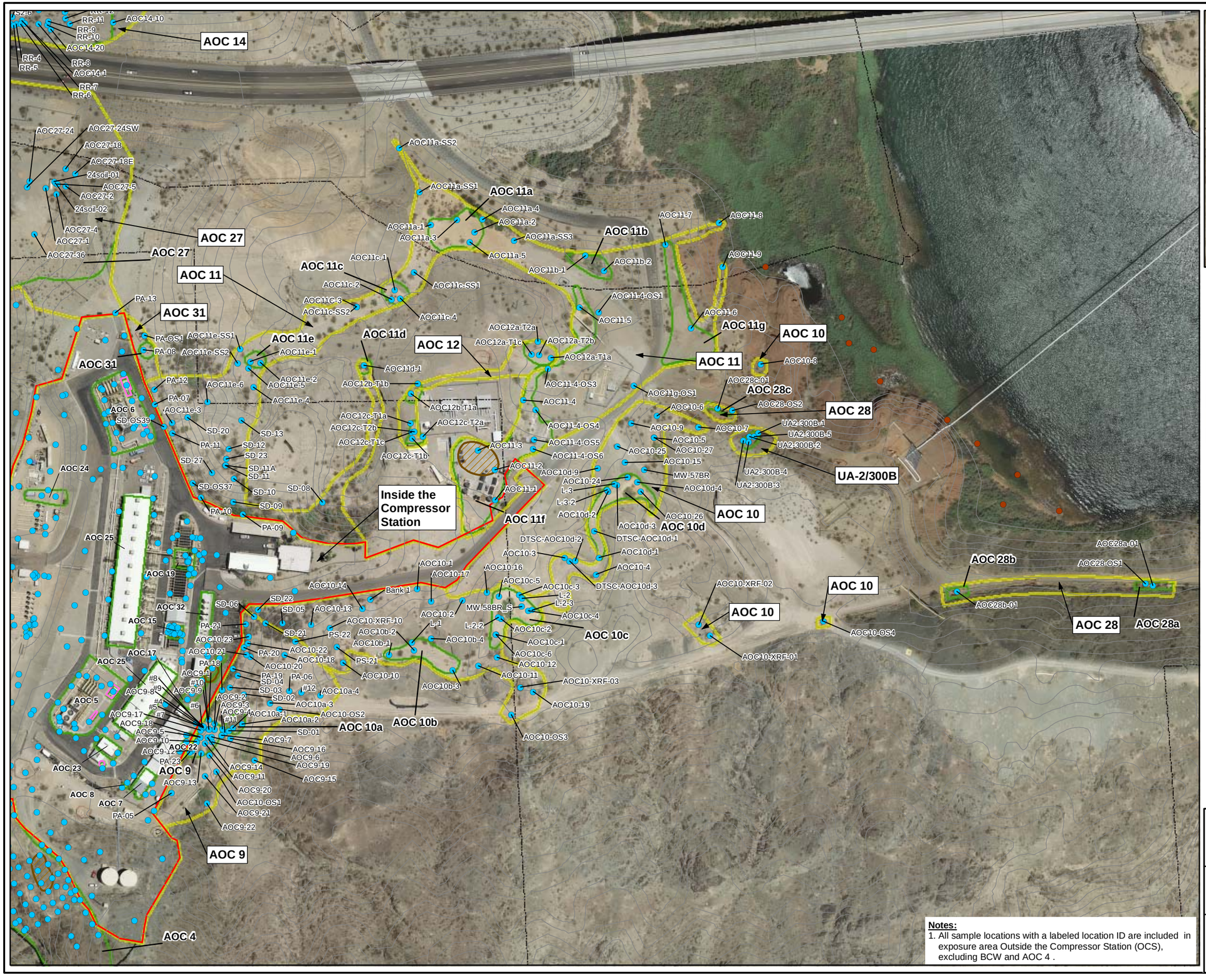
LOAEL and NOAEL HQs ≤ 1 for the receptor

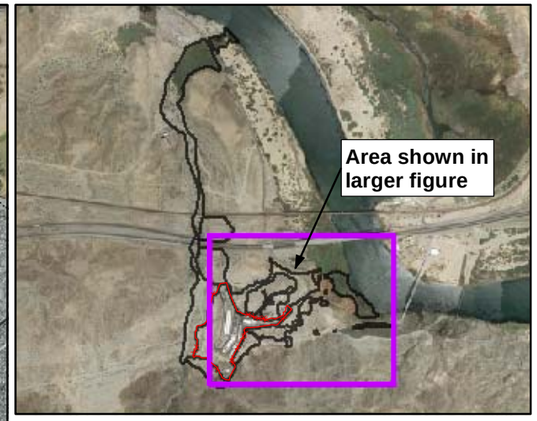
Abbreviations:

"--" = not applicable
AOC = area of concern
BAF = bioaccumulation factor
BG NA = background value not available
BTV = background threshold value
COPEC = constituent of potential ecological concern
EPC = exposure point concentration
FOD = frequency of detection
HQ = hazard quotient
LOAEL = lowest observed adverse effect limit
LOE = line of evidence
MDC = maximum depth-weighted concentration
NC = not calculated
NOAEL = no observed adverse effect limit
SL = screening level
SWMU 1 = solid waste management unit 1
T&E = threatened and endangered
TCS-4= Topock Compressor Station Well #4
TEQ = toxic equivalent
TRV = toxicity reference value

FIGURE

PATH: Z:\GISProjects_ENV\PGE_Topock\GIS\ArcMap_MXD\SHHERA_rev\SoilSamplingLocs_Outhside_CS_BCW_AOC4_1-1.mxd 8/27/2018 9:46:11 AM





Legend:

- Soil Sampling Location
- Sediment Sampling Location
- Area of Concern
- Solid Waste Management Unit
- Potential Burning Related Location
- OCSxBCW+AOC4 Exposure Area
- Exposure Area
- Property Boundaries
- Contour Line (10 feet interval)
- Inside the Topock Compressor Station boundary, as defined by current fenceline

AOC 28 — Label for Exposure Area

AOC 28a — Label for Area of Concern

0 210 420

SCALE IN FEET

Notes:

1. All sample locations with a labeled location ID are included in exposure area Outside the Compressor Station (OCS), excluding BCW and AOC 4 .

PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

SOIL HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

SOIL SAMPLING LOCATIONS FOR EXPOSURE AREAS OUTSIDE THE COMPRESSOR STATION EXCLUDING BCW AND AOC 4

ARCADIS Design & Consultancy for natural and built assets

FIGURE
OCSx BCW+AOC4-1.1

ATTACHMENT A

Dataset and Exposure Point Concentration Calculations for the OCS Excluding BCW and AOC 4 ERA

Attachment OCSxBCW+AOC4-A
Dataset and Exposure Point Concentration Calculations for the OCS (excluding BCW and AOC 4) HHERA

Attachment OCSxBCW+AOC4-A1

Table OCSxBCW+AOC4-A1	Dataset for OCS Excluding BCW and AOC4 HHERA

Attachment OCSxBCW+AOC4-A2 (Tables provided separately as excel files)

Table OCSxBCW+AOC4-A2	Depth-Weighting Files: InputSamplesFor_OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-005
Table OCSxBCW+AOC4-A2	Depth-Weighting Files: InputSamplesFor_OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-03
Table OCSxBCW+AOC4-A2	Depth-Weighting Files: InputSamplesFor_OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-06
Table OCSxBCW+AOC4-A2	ProUCL Input Files: OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-005_forProUCL
Table OCSxBCW+AOC4-A2	ProUCL Input Files: OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-03_forProUCL
Table OCSxBCW+AOC4-A2	ProUCL Input Files: OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-06_forProUCL
Table OCSxBCW+AOC4-A2	ProUCL Output Files: OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-005_UCLs
Table OCSxBCW+AOC4-A2	ProUCL Output Files: OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-03_UCLs
Table OCSxBCW+AOC4-A2	ProUCL Output Files: OutsideCompressorStation_OtherAOCs_ECO_Baseline_0-06_UCLs

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.2	8.9	--	9.62	9.75	9.66	9.6	8.95	9.67	8.8	9.1	8.44	8.19	8.06	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	0.4 U	0.4 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	3.1	2.9	3.7	4.2	4.9	4.7
Barium	mg/kg	--	--	--	--	--	--	--	--	--	130	89	93	81	82	110
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	0.71	0.3	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	114	--	0.8	4.2	2.7	2.6	1.3	2.8	2.7	0.4 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	398	--	38.3	53.2	29	33	32.1	28.8	92.7	15	15	6.6	7.4	7.5	6.8
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	3.5	3.4	2.7	3	3.2	3
Copper	mg/kg	17.9	--	35.6	12.4	13.8	12.4	15.3	12.9	50.4	7.2	9.1	4.9	5.6	5.8	5.7
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	6.4	8.7	9.2	5.8	5.4	4.8
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	0.63	0.7	1 U	1 U	1 U	1 U
Nickel	mg/kg	14.8	--	21.1	13.5	16.3	13.2	16.3	16.4	10.1	6.8	7.2	5.5	6.3	6.4	6.2
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	6.2	1.4	1 U	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	0.25 U	0.25 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	17	18	13	16	17	15
Zinc	mg/kg	744	80.3	--	343	64	92.7	68	61.1	215	16	17	20	21	20	21
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	380	380	5.8	5.8 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	370	7	5 U	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	5 U	5.1 U	5.1 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	5 U	4.7 U	4 U	4.5 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	370	13.6	0	0	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	450	0	0	0	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	450	330 U	5 U	5 U	5.1 U	5.1 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	6.6	5 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 UJ	670 UJ	670 UJ	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	13	160	10 UJ	10 U	10 UJ	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.94 U	1 U	0.96 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 U	10 UJ	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	93 U	80 U	91 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHERA

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

	LOCATION	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1	AOC10-1	AOC10-1	AOC10-1
	SAMPLE	#10	#11	#12	#4	#5	#6	#7	#8	#9	24soil-01	24soil-02	AOC10-1-5001	AOC10-1-5002	AOC10-1-5003	AOC10-1-5004
	DATE	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	4/6/2000	1/31/2008	1/31/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	0	0	0	0	0	0	0	0	2.5	2.5	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		3	3	3	3	3	3	3	3	3	3	3	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3	3	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	4.7 U	4 U	4.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	47 U	40 U	45 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.7 U	4 U	4.5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13
	SAMPLE	AOC10-10-5200	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	10	1	3	6	10	1	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate					
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	650	6.9 U	8.4 U	--	--	550 J	590	3500	170	--	770	540	320	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	79	2 U	1.8 U	--	--	47	46	760	3.8 U	--	1.9 U	57	18 U	--	--
1,2,3,4,7,8-HxCDD	ng/kg	4.9 J	0.52 U	0.14 U	--	--	--	2.1 U	15	4.5 J	1.5 U	4.7 U	2 U	3.8 U	--	--
1,2,3,4,7,8-HxCDF	ng/kg	2.3 U	0.23 U	0.14 U	--	--	--	1.2 U	6.8 U	0.24 U	0.63 U	3.4 U	5.6 J	5.8 J	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	6.7 J	1.8 U	4.9 J	--	--	6.1 J	5 J	110 U	0.54 U	--	6.2 U	3.8 J	21 U	--	--
1,2,3,6,7,8-HxCDD	ng/kg	17	0.4 U	0.12 U	--	--	--	13	150	0.38 U	8.6 J	48	19	21	--	--
1,2,3,6,7,8-HxCDF	ng/kg	3.9 U	0.23 U	0.13 U	--	--	0.93 U	11 U	6.3 U	2.2 U	--	32	3.7 J	18	--	--
1,2,3,7,8-PeCDD	ng/kg	2.1 U	0.25 U	0.27 U	--	--	0.74 J	0.68 U	3.7 J	0.25 U	--	3.3 U	1.4 U	4.3 U	--	--
1,2,3,7,8-PeCDF	ng/kg	1 U	0.11 U	0.14 U	--	--	0.33 U	1 U	0.55 U	0.15 U	--	2.1 U	1.4 U	2.1 J	--	--
1,2,3,7,8,9-HxCDD	ng/kg	13	0.57 U	1.2 J	--	--	5.5 J	5.4 U	32	0.99 U	--	25	1.7 U	18	--	--
1,2,3,7,8,9-HxCDF	ng/kg	1.6 U	1.3 J	1.4 J	--	--	--	0.42 U	7.9 U	0.28 U	0.74 U	3.9 U	1.6 U	2.4 U	--	--
2,3,4,6,7,8-HxCDF	ng/kg	110 U	0.87 U	0.2 U	--	--	--	140 U	2400 U	23 U	140 U	380 U	130 U	100 U	--	--
2,3,4,7,8-PeCDF	ng/kg	1 U	0.11 U	0.071 U	--	--	--	1.1 U	2.8 U	0.16 U	0.57 U	2.1 U	3 J	3 J	--	--
2,3,7,8-TCDD	ng/kg	0.23 U	0.16 U	0.043 U	--	--	--	0.077 U	0.28 U	0.093 U	0.077 U	0.34 U	0.32 U	0.35 U	--	--
2,3,7,8-TCDF	ng/kg	0.13 U	0.081 U	0.13 U	--	--	--	0.22 U	0.33 U	0.066 U	0.088 U	0.88 U	0.51 U	1 U	--	--
OCDD	ng/kg	6300	31	50	--	--	3500 J	4800	33000	1100	--	4800	6100	1400	--	--
OCDF	ng/kg	190	6.7 U	5.1 U	--	--	--	190	2700	15 J	65 J	310	110	55	--	--
TEQ Avian	ng/kg	12	0.57	0.62	--	--	12	11	150	2.2	--	30	14	16	--	--
TEQ Human	ng/kg	20	0.56	0.59	--	--	18	18	200	4.1	--	42	19	19	--	--
TEQ Mammals	ng/kg	20	0.56	0.59	--	--	18	18	200	4.1	--	42	19	19	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	9.4	9.4	9.9	9.1	--	--	--	--	8.8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.2 U	2.1 U	2.2 U	--	2.1 U	2.1 UJ	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	3.1	2.6	3.2	3.4	--	--	2.7	2.4	2.4	3.4	4.3	8.9	3	4.4	--
Barium	mg/kg	100	100	120	--	85	--	110	110	190	86	89	63	200	120	130
Beryllium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U
Cadmium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.45	0.22 U	0.35	--	0.39	0.87	0.9	1.6	0.72	--	13	0.3	5	0.66	0.21 U
Chromium, total	mg/kg	36	27	34	32	--	31	45	73	42	--	460	25	130	37	--
Cobalt	mg/kg	6.2	9	11	9.5	--	--	7.3	9.4	10	8.6 J	9.8	4.6	8.4	9.6	--
Copper	mg/kg	15	13	13	11	--	9.1	13	31	19	--	19	9	11	16	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.7	2	2.1	2.6	--	2.7	2.6	2.5	2.4	--	12	3.6	6	2.5	9.8
Mercury	mg/kg	0.1 U	0.11 U	0.11 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
Molybdenum	mg/kg	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.4	1 U	1 U	1.4
Nickel	mg/kg	16	22	28	23	--	--	19	24	22	18 J	21	11	18	22	--
Selenium	mg/kg	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1 UJ	1 U	1 U	--	1 U	1.1 U	1 U	1 U	--
Silver	mg/kg	1 U	1.1 U	1.1 U	1.1 U	--	1 U	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1 U	1.1 U
Thallium	mg/kg	2.1 U	2.2 U	2.1 U	2.2 U	--	2.1 U	2.1 UJ	2.1 U	2 U	--	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	23	38	43	42	--	--	30	35	36	31 J	36	38	31	34	--
Zinc	mg/kg	63	41	44	43	--	--	44	74	160	45	56	34	70	47	--
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13
	SAMPLE	AOC10-10-5200	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	10	1	3	6	10	1	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate					
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 UJ	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--
Aroclor 1221	ug/kg	34 UJ	36 UJ	35 UJ	--	--	34 U	34 U	34 U	34 U	--	34 UJ	35 UJ	34 UJ	--	--
Aroclor 1232	ug/kg	17 UJ	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--
Aroclor 1242	ug/kg	17 UJ	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--
Aroclor 1248	ug/kg	17 UJ	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--
Aroclor 1254	ug/kg	17 UJ	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--
Aroclor 1260	ug/kg	17 UJ	18 UJ	18 UJ	--	--	17 U	17 U	17 U	17 U	--	17 UJ	17 UJ	17 UJ	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	25.5 U	27 U	27 U	--	--	25.5 U	25.5 U	25.5 U	25.5 U	--	25.5 U	25.5 U	25.5 U	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
2-Methyl naphthalene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
Acenaphthene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
Acenaphthylene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
Anthracene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
B(a)P Equivalent	ug/kg	6.4 JH	6.4 R	6.1 R	--	--	--	6 U	6 U	57 U	6 U	58 U	6.1 U	57 U	6.4 U	14
Benzo (a) anthracene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--
Benzo (a) pyrene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	8.9
Benzo (b) fluoranthene	ug/kg	6.5 J	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	17
Benzo (ghi) perylene	ug/kg	5.8 J	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	6.4
Benzo (k) fluoranthene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	7.8
Chrysene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	12
Dibenzo (a,h) anthracene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 UJ	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	5.3 U
Fluoranthene	ug/kg	5.2 J	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13
	SAMPLE	AOC10-10-5200	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	10	1	3	6	10	1	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate					
ANALYTE	**UNITS**															
Fluorene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	51 U	5.2 U	52 U	5.3 U	51 U	5.5 U	6.4
Naphthalene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	5.3 U
PAH High molecular weight	ug/kg	22.7	0 R	0 R	--	--	0	0	0	0	--	0	0	0	0	--
PAH Low molecular weight	ug/kg	0	0 R	0 R	--	--	0	0	0	0	--	0	0	0	0	--
Phenanthrene	ug/kg	5.2 R	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	--
Pyrene	ug/kg	5.2 J	5.5 R	5.3 R	--	--	--	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U	5.1 U	5.5 U	20
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13
	SAMPLE	AOC10-10-5200	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	10	1	3	6	10	1	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate					
ANALYTE	**UNITS**															
TPH as diesel	mg/kg	--	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-10	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-11	AOC10-12	AOC10-12	AOC10-12	AOC10-12	AOC10-13
	SAMPLE	AOC10-10-5200	AOC10-10-5201	AOC10-10-5202	AOC10-10-5203	AOC10-10-5204	AOC10-11-5205	AOC10-11-5207	AOC10-11-5208	AOC10-11-5209	AOC10-11-5206	AOC10-12-5210	AOC10-12-5211	AOC10-12-5212	AOC10-12-5213	AOC10-13-5214
	DATE	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	12/3/2015
SAMPLE TOP DEPTH (FT)		0	2	5	9	9	0	2	5	9	0	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	10	10	1	3	6	10	1	0.5	3	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5
SAMPLE TYPE						Field Duplicate					Field Duplicate					
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	680 U	680 U	680 U	670 U	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	340 U	340 U	340 U	340 U	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-13	AOC10-14	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19
	SAMPLE	AOC10-13-5215	AOC10-14-5216	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262
	DATE	12/3/2015	12/3/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	0	2	5	9	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	1	3	6	10	1	1	3	6	10	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	9000	3100	2300	34	--	23	40	22	6.9 J	--	24	4.8 U	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	230	180	3.1 U	650	1.8 U	4.2 U	6.6 U	2 U	--	2.5 U	1.2 U	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	33	14	9.3 J	1.1 U	--	1.6 J	0.69 U	1.6 J	0.74 U	--	1 U	0.98 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	26	9.4 U	1.4 J	62	1.3 U	1 J	1.3 J	1.2 J	--	0.8 U	0.23 U	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	18 U	21	1.5 U	72	1.7 U	1.5 J	1 U	1 U	--	0.92 U	0.8 U	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	210	85	55	1.9 U	--	2.3 J	2.3 U	2.2 J	1.4 U	--	1.5 J	0.97 J	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	8.1 U	5 U	1.3 J	17	0.66 U	1.1 U	2.1 J	1 U	--	0.81 U	0.61 U	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	8.4 J	4 U	1.1 U	11 U	0.85 U	1.4 J	1.2 U	0.38 U	--	0.2 U	0.8 J	--
1,2,3,7,8-PeCDF	ng/kg	--	--	11 U	3.3 U	4.4 U	1.4 U	--	1.4 U	1.1 U	1.2 J	0.41 U	--	0.82 J	0.84 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	59	27	19	1.7 U	--	0.76 U	2.7 J	0.95 U	0.62 U	--	1.6 J	0.75 U	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	10 U	6.3 U	1.1 U	2.8 U	0.83 U	0.63 U	0.42 U	0.79 U	--	0.57 U	0.79 J	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	820 U	570 U	11 U	2000 U	1 U	7.2 U	12 U	0.88 U	--	0.56 J	0.7 J	--
2,3,4,7,8-PeCDF	ng/kg	--	--	16 U	7.8 U	4.7 U	0.47 U	--	0.48 U	1.1 U	0.7 U	1 U	--	0.77 J	0.86 J	--
2,3,7,8-TCDD	ng/kg	--	--	4.1 J	2.4 U	2.3 U	1.3 U	--	0.36 U	1.5 U	0.17 U	1.5 U	--	0.6 J	0.26 U	--
2,3,7,8-TCDF	ng/kg	--	--	--	4.5 U	3.1 J	1.2 U	8.2	0.86 U	1.6 J	1.1 U	1.1 U	--	0.46 J	0.45 J	--
OCDD	ng/kg	--	--	110000	38000	31000	340	--	110	240	89	25 U	--	190	30	--
OCDF	ng/kg	--	--	2600	920	700	10 J	--	1.9 U	5 U	4.9 U	2.6 J	--	4.3 J	2 J	--
TEQ Avian	ng/kg	--	--	180	74	49	3.2	--	1.7	5.3	2.9	2.3	--	2.4	2.6	--
TEQ Human	ng/kg	--	--	290	110	77	2.9	--	1.6	4	2.6	1.6	--	1.8	1.7	--
TEQ Mammals	ng/kg	--	--	290	110	77	2.9	--	1.6	4	2.6	1.6	--	1.8	1.7	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.3	8.9	8.3	8.5	9.2	--	9.2	9.6	9.9	9.8	8.3	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	2.1 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 UJ
Arsenic	mg/kg	4.5	6.3	5.8	4.7	4.4	4.8	--	3	2.8	3.1	2.9	3.8	2.3	2.2	4.2
Barium	mg/kg	--	380	150	210	320	78	--	69	44	170	59	110	100	160	120
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.21 U	2.6	1.4	1.1	0.21 U	--	0.59	0.24	0.48	0.2 U	0.21 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	16	11	--	41	33	17	70	21	21	21	14	9.7	5.6	5.7	27
Cobalt	mg/kg	5.7	4.1	6.1	7.2	6.3	8.1	--	7.3	7	7.2	6.6	4.6	2.3	2.5	8.4
Copper	mg/kg	14	13	--	22	14	11	27	8.9	9.7	12	9.4	11	2.8	4.1	14
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	5.9	21	17 J	7.6	1.5	--	5.9	2.5	3.2	2.4	9.9	1.9	1.9	6.7 J
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	1.3	14	8.2	4.2	1 U	--	1 U	1 U	1 U	1 U	7.8	1 U	1 U	1 U
Nickel	mg/kg	14	9.1	11	14	15	15	--	16	14	13	11	10	3.6	4.2	20
Selenium	mg/kg	1.1	9.1	1 U	1 UJ	1 U	1 U	--	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 UJ	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	2.1 U	2 U	2 UJ	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U
Vanadium	mg/kg	23	21	24	26	26	30	--	26	27	30	28	16	14	15	34
Zinc	mg/kg	41	29	98	70 J	100	44	--	40	44	40	38	32	13	13	48
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-13	AOC10-14	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19
	SAMPLE	AOC10-13-5215	AOC10-14-5216	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262
	DATE	12/3/2015	12/3/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	0	2	5	9	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	1	3	6	10	1	1	3	6	10	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--
Aroclor 1221	ug/kg	--	--	33 U	34 U	34 U	34 U	--	33 U	34 U	34 U	34 U	--	33 U	33 U	--
Aroclor 1232	ug/kg	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--
Aroclor 1242	ug/kg	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--
Aroclor 1248	ug/kg	--	--	17 U	320	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--
Aroclor 1254	ug/kg	--	--	990 J	470	220	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--
Aroclor 1260	ug/kg	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	--	17 U	17 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	1010	799	237	25.5 U	--	25.5 U	25.5 U	25.5 U	25.5 U	--	25.5 U	25.5 U	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	5.2 U	81 J	5.8	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	--	5.2 U	--	6.8	5.1 U	5.2 U	91	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Acenaphthene	ug/kg	--	5.2 U	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Acenaphthylene	ug/kg	--	5.2 U	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Anthracene	ug/kg	--	5.2 U	--	5.4	5.1 U	5.2 U	6.4	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	--	6 U	110	67	59	6 U	--	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.8 U
Benzo (a) anthracene	ug/kg	5.4	5.2 U	--	49	23	5.2 U	67	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Benzo (a) pyrene	ug/kg	--	5.2 U	--	51 U	51 U	5.2 U	69	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Benzo (b) fluoranthene	ug/kg	--	5.2 U	--	85	51 U	5.2 U	170	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Benzo (ghi) perylene	ug/kg	--	5.2 U	--	51 U	51 U	5.2 U	18	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Benzo (k) fluoranthene	ug/kg	--	5.2 U	--	51 U	51 U	5.2 U	50	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Chrysene	ug/kg	--	5.2 U	--	75	33	5.2 U	85	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	--	5.2 U	--	51 U	51 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Fluoranthene	ug/kg	22	5.2 U	--	180	86	5.2 U	210	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-13	AOC10-14	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19
	SAMPLE	AOC10-13-5215	AOC10-14-5216	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262
	DATE	12/3/2015	12/3/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	0	2	5	9	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	1	3	6	10	1	1	3	6	10	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Fluorene	ug/kg	--	5.2 U	5 U	5.1 U	5.1 U	5.2 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.2 U	--	51 U	51 U	5.2 U	20	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Naphthalene	ug/kg	--	5.2 U	--	5.1 U	5.1 U	5.2 U	18	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
PAH High molecular weight	ug/kg	104	0	--	559	215	0	869	0	0	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	6.1	0	279	84	46	0	--	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	6.1	5.2 U	--	66	46	5.2 U	81	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Pyrene	ug/kg	--	5.2 U	--	170	73	5.2 U	180	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2-Chlorophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2-Methylphenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2-Nitroaniline	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
2-Nitrophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
3-Nitroaniline	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--
4-Chloroaniline	ug/kg	--	--	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
4-Methylphenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
4-Nitroaniline	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
4-Nitrophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	--	--	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	340 U	330 U	330 U	330 U	340 U	330 U	340 U	340 U	--	--	--	--
Dibenzofuran	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Diethyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Hexachloroethane	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Pentachlorophenol	ug/kg	--	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	--	--	--
Phenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-13	AOC10-14	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19
	SAMPLE	AOC10-13-5215	AOC10-14-5216	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262
	DATE	12/3/2015	12/3/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	0	2	5	9	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	1	3	6	10	1	1	3	6	10	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	**UNITS**															
TPH as diesel	mg/kg	--	--	13	15	10 U	10 U	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	1.3 U	1.2 U	0.74 U	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	48	59	14	10 U	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-13	AOC10-14	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-15	AOC10-16	AOC10-16	AOC10-16	AOC10-16	AOC10-17	AOC10-18	AOC10-18	AOC10-19
	SAMPLE	AOC10-13-5215	AOC10-14-5216	AOC10-15-5217	AOC10-15-5219	AOC10-15-5220	AOC10-15-5221	AOC10-15-5218	AOC10-16-5222	AOC10-16-5223	AOC10-16-5224	AOC10-16-5225	AOC10-17-5226	AOC10-18-5227	AOC10-18-5228	AOC10-19-5262
	DATE	12/3/2015	12/3/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/15/2015	12/3/2015	12/6/2015	12/6/2015	2/24/2016
SAMPLE TOP DEPTH (FT)		0	0	0	2	5	9	0	0	2	5	9	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		1	1	1	3	6	10	1	1	3	6	10	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	0.5	3	6	10	0.5	0.5	3	6	10	0.5	0.5	3	0.5
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	670 U	670 U	670 U	670 U	--	670 U	670 U	670 U	670 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	330 U	340 U	330 U	330 U	--	340 U	330 U	340 U	340 U	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-19	AOC10-19	AOC10-19	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22
	SAMPLE	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257
	DATE	2/24/2016	2/24/2016	2/24/2016	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016
	SAMPLE TOP DEPTH (FT)	2	5	2	0	2	5	7	0	2	0	2	0	1	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
	SAMPLE TYPE			Field Duplicate												
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	5.5 U	1.2 J	1700	2.6 J	800	2100	770	7.9 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	0.83 U	0.35 U	270	0.41 U	4.2 U	0.79 U	280 U	1.1 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	0.18 U	0.044 U	25 U	0.088 U	3.3 U	12 J	9.6 J	0.16 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	0.19 U	0.12 U	6.9 U	0.18 U	5.2 U	12 J	7.1 U	0.094 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	1.1 U	0.086 U	11 U	0.082 U	5 U	11 J	14 U	0.29 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	0.17 U	0.038 U	39 U	0.076 U	21	49	22	0.33 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	0.17 U	0.1 U	6.8 U	0.16 U	6.7 U	6.8 J	13 U	0.13 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	0.12 U	0.047 U	35 U	0.071 U	3.1 U	5.4 U	2.9 U	0.075 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	0.17 U	0.11 U	2.9 U	0.27 U	2.3 U	1.4 U	1.9 U	0.11 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	0.35 U	0.059 U	14 U	0.1 U	2.1 U	23	1.4 U	0.25 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	0.5 U	0.13 U	8.1 U	0.2 U	4.7 U	2.9 J	2.1 U	0.31 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	0.15 U	0.24 U	7.2 U	0.18 U	4.2 U	160 U	120 U	0.83 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	0.17 U	0.27 U	3.1 U	0.27 U	2.4 U	4.9 J	3.9 J	0.053 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	0.11 U	0.051 U	2.6 U	0.11 U	2 U	1 J	0.89 U	0.04 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	0.13 U	0.064 U	5.2 UJ	0.078 U	3.7 U	1.8 J	1.4 U	0.18 U
OCDD	ng/kg	--	--	--	--	--	--	--	35 J	8.9 U	26000	22 U	6400	9000	7100	51
OCDF	ng/kg	--	--	--	--	--	--	--	3 U	0.21 U	250	0.72 U	90	240	5.5 U	1.7 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	0.36	0.26	33	0.33	8.6	27	17	0.29
TEQ Human	ng/kg	--	--	--	--	--	--	--	0.28	0.15	53	0.22	17	48	25	0.28
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	0.28	0.15	53	0.22	17	48	25	0.28
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	7.98	8.47	8.15	--	8.4	8.9	8	8.4	8	8.4	8.1	8.1
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	--	2 U	2.1 U	2.1 U	2.1 U	15	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U
Arsenic	mg/kg	5	5.8	--	3.4	5.5	9.1	6	3.5	3.3	9.7	3	4.1	17	5.5	4.1
Barium	mg/kg	120	130	--	93	370	120	110	120	100	320	85	140	77	140	130
Beryllium	mg/kg	1 U	1 U	--	1 U	1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	7.4	1 U	1 U	4.4	1.2	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.3	0.21 U	--	0.4 U	0.42 U	0.42 U	0.41 U	2700	12	1.4	0.2	0.2 U	0.91	0.37	0.2 U
Chromium, total	mg/kg	34 J	27	--	4.9	17	19	17	2800	28	270	8.1	35	85	35	8.6
Cobalt	mg/kg	--	9.4	9.1	2.3	6.4	7.4	6.3	3.4	3.2	8.5	3.2	8.1	36	13	3.4
Copper	mg/kg	18	17	--	4.1	9.4	9.5	9	11	5	3100	5	14	200	42	5.1
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.8	3.8	--	5.1	3.4	4.2	3.2	6.1	2.8	920	2.9	12	38	17	3.4
Mercury	mg/kg	0.1 U	0.11 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	35	0.099 U	0.1 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	1 U	2.1 U	1 U	1 U	1 U	9.4	1 U	1 U	2.7	1 U	1 U
Nickel	mg/kg	22	19	--	4.3	12	14	13	5.8	5.8	28	5.4	20	51	25	5.4
Selenium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	--	1 U	1 U	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	--	2 U	2.1 U	4.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U
Vanadium	mg/kg	40	37	--	12	33	36	30	14	18	23	16	38	19	34	19
Zinc	mg/kg	55	47	--	14	38	40	32	38	16	360	16	50	39	35	18
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-19	AOC10-19	AOC10-19	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22
	SAMPLE	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257
	DATE	2/24/2016	2/24/2016	2/24/2016	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016
SAMPLE TOP DEPTH (FT)		2	5	2	0	2	5	7	0	2	0	2	0	1	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
SAMPLE TYPE				Field Duplicate												
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	2 U	4 U	2 U	2 U	2.1 U	2.1 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	1 U	2 U	1 U	1 U	1.1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	5 U	10 U	5 U	5 U	5.3 U	5.1 U	5.1 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	50 U	100 U	50 U	50 U	53 U	51 U	51 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	33 U	33 U	66 U	33 U	33 U	35 U	34 U	33 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	17 U	33 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	25.5 U	25.5 U	49.5 U	25.5 U	25.5 U	27 U	25.5 U	25.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
Anthracene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	6 U	--	5.8 U	6 U	6 U	5.9 U	5.9 U	5.8 U	290	5.8 U	290	59	300 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	5.3 UJ	260 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U
Chrysene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	550	31 J	260 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	71	5 U	250 U	34 J	260 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-19	AOC10-19	AOC10-19	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22
	SAMPLE	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257
	DATE	2/24/2016	2/24/2016	2/24/2016	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016
SAMPLE TOP DEPTH (FT)		2	5	2	0	2	5	7	0	2	0	2	0	1	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
SAMPLE TYPE				Field Duplicate												
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	250 U	5 U	250 U	53 U	260 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.2 U	--	5 U	4.5 U	4 U	4.9 U	5.1 U	5 U	25 U	5 U	250 U	5.3 UJ	260 U	5.1 U
PAH High molecular weight	ug/kg	0	0	--	0	0	0	0	0	0	71	0	820	102	0	0
PAH Low molecular weight	ug/kg	0	0	--	0	0	0	0	0	0	86	0	0	8.2	0	0
Phenanthrene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	86	5 U	250 U	8.2 J	260 U	5.1 U
Pyrene	ug/kg	5.2 U	5.2 U	--	5 U	5.2 U	5.2 U	5.1 U	5.1 U	5 U	25 U	5 U	270	37 J	260 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2-Chlorophenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2-Methylphenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2-Nitroaniline	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
2-Nitrophenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
2,4-Dimethylphenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
3-Nitroaniline	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	330 U	340 U	340 U	340 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	660 U	680 U	690 U	680 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U
4-Chloroaniline	ug/kg	--	--	--	330 U	340 U	340 U	340 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
4-Methylphenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
4-Nitroaniline	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
4-Nitrophenol	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	660 UJ	680 UJ	690 UJ	680 U	670 U	660 U	3300 U	670 U	170000 U	700 U	170000 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	17000 U	330 U	830000 U	3500 U	840000 U	330 U
Dibenzofuran	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Diethyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Hexachloroethane	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Pentachlorophenol	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	1700 U	1700 U	8300 U	1700 U	420000 U	1800 U	420000 U	1700 U
Phenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-19	AOC10-19	AOC10-19	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22
	SAMPLE	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257
	DATE	2/24/2016	2/24/2016	2/24/2016	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016
	SAMPLE TOP DEPTH (FT)	2	5	2	0	2	5	7	0	2	0	2	0	1	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
	SAMPLE TYPE			Field Duplicate												
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	10 UJ	10 U	10 U	10 U	10 U	10 U	4000	10 U	2100	170	1500	18
TPH as gasoline	mg/kg	--	--	--	--	0.99 U	0.87 U	0.89 U	--	1.4 U	--	1.6 U	--	2.1 U	1.6 U	1.2 U
TPH as motor oil	mg/kg	--	--	--	10 UJ	10 U	10 U	10 U	10 U	10 U	8900	17	4900	400	3200	81
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1-Dichloroethene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1-Dichloropropene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,2-Dibromoethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,2-Dichlorobenzene	ug/kg	--	--	--	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U
1,2-Dichloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,2-Dichloropropane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
1,3-Dichlorobenzene	ug/kg	--	--	--	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U
1,3-Dichloropropane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
1,4-Dichlorobenzene	ug/kg	--	--	--	330 U	4.5 U	4 U	4.9 U	330 U	330 U	1700 U	330 U	83000 U	10 U	400 U	6.4 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	1600 U	1700 U	1700 U	1600 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
Acetone	ug/kg	--	--	--	--	45 U	40 U	49 U	--	--	--	--	--	100 UJ	71 UJ	64 UJ
Acrolein	ug/kg	--	--	--	--	90 U	79 U	98 U	--	--	--	--	--	210 U	140 U	130 U
Acrylonitrile	ug/kg	--	--	--	--	45 U	40 U	49 U	--	--	--	--	--	100 U	71 U	64 U
Benzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
Bromobenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
Bromochloromethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Bromodichloromethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Bromoform	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Bromomethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Carbon disulfide	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Carbon tetrachloride	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Chloro methane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Chlorobenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Chloroethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Chloroform	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-19	AOC10-19	AOC10-19	AOC10-2	AOC10-2	AOC10-2	AOC10-2	AOC10-20	AOC10-20	AOC10-21	AOC10-21	AOC10-22	AOC10-22	AOC10-22	AOC10-22
	SAMPLE	AOC10-19-5263	AOC10-19-5265	AOC10-19-5264	AOC10-2-5005	AOC10-2-5006	AOC10-2-5007	AOC10-2-5008	AOC10-20-5247	AOC10-20-5248	AOC10-21-5251	AOC10-21-5252	AOC10-22-5254	AOC10-22-5255	AOC10-22-5256	AOC10-22-5257
	DATE	2/24/2016	2/24/2016	2/24/2016	10/2/2008	10/2/2008	10/2/2008	10/2/2008	2/17/2016	2/25/2016	2/25/2016	2/25/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016
	SAMPLE TOP DEPTH (FT)	2	5	2	0	2	5	7	0	2	0	2	0	1	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	3	0.5	3	6	8	0.5	3	0.5	3	0.5	2	3	6
	SAMPLE TYPE			Field Duplicate												
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Ethyl- benzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Hexachlorobutadiene	ug/kg	--	--	--	330 U	4.5 U	4 U	4.9 U	670 U	660 U	3300 U	670 U	170000 U	10 U	400 U	6.4 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	2200	84000 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	45 U	40 U	49 U	--	--	--	--	--	100 UJ	71 UJ	64 UJ
Methyl isobutyl ketone	ug/kg	--	--	--	--	45 U	40 U	49 U	--	--	--	--	--	100 U	71 U	64 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
N-Butylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
N-Propylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
Nitrobenzene	ug/kg	--	--	--	330 U	340 U	340 U	340 U	330 U	330 U	1700 U	330 U	83000 U	350 U	84000 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
sec-Butylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
Styrene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
tert-Butylbenzene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	400 U	6.4 U
Tetrachloroethene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Toluene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Trichloroethene	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Vinyl chloride	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Xylene, m,p-	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Xylene, o-	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U
Xylenes, total	ug/kg	--	--	--	--	4.5 U	4 U	4.9 U	--	--	--	--	--	10 U	7.1 U	6.4 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-23	AOC10-23	AOC10-23	AOC10-24	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26
	SAMPLE	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272
	DATE	2/25/2016	2/25/2016	2/25/2016	3/7/2016	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017
SAMPLE TOP DEPTH (FT)		0	1	2	0	2	0	2	5	9	0	0	2	2.5	4.5	2
SAMPLE BOTTOM DEPTH (FT)		1	2	3	1	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	2	3	0.5	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
SAMPLE TYPE											Field Duplicate		Field Duplicate			
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	63000	230	890	590	3000	30 J	0.24 U	2.3 U	2.2 J	--	220	3400	9300	1800	--
1,2,3,4,6,7,8-HpCDF	ng/kg	2300 J	150 U	34	41	37 U	--	1.1 U	0.23 U	0.49 U	11 U	21	410	1100	440	--
1,2,3,4,7,8-HxCDD	ng/kg	31 UJ	3.1 U	0.68 U	6.5 J	22	0.25 U	0.34 U	0.47 U	0.3 U	--	3 J	29	73	11 J	--
1,2,3,4,7,8-HxCDF	ng/kg	45 UJ	3 U	4.1 J	0.26 U	23 U	0.35 U	0.16 U	0.26 U	0.13 U	--	1.2 U	--	48	12 J	8 J
1,2,3,4,7,8,9-HpCDF	ng/kg	120 J	3.8 U	5.7 U	2.4 U	44 U	0.59 U	0.73 U	1.3 U	0.56 U	--	2.6 J	44	110	36	--
1,2,3,6,7,8-HxCDD	ng/kg	980 J	10 J	13	17	140	--	0.54 U	0.27 U	0.22 U	0.66 U	7.8 J	--	300	80	49
1,2,3,6,7,8-HxCDF	ng/kg	110 J	6 U	1.9 J	2.5 J	23 U	0.31 U	0.28 U	0.56 U	0.12 U	--	1.3 J	60	120	15	--
1,2,3,7,8-PeCDD	ng/kg	21 UJ	5.1 U	0.62 U	3.4 J	8.1 J	0.16 U	0.14 U	0.5 U	0.14 U	--	1.7 J	--	28	5.7 U	5.6 J
1,2,3,7,8-PeCDF	ng/kg	7.9 UJ	0.54 U	1.1 J	0.32 U	4.7 J	0.31 U	0.1 U	0.097 U	0.076 U	--	0.51 J	5.1 J	8.9 U	2.5 J	--
1,2,3,7,8,9-HxCDD	ng/kg	140 J	3 U	3.8 U	11 J	49	0.63 J	0.41 U	0.55 U	0.11 U	--	4.9 J	57	140	25	--
1,2,3,7,8,9-HxCDF	ng/kg	51 UJ	2 U	1.9 U	1 U	27 U	0.63 U	0.7 U	1 J	0.39 U	--	0.2 U	5.6 J	13	3.9 J	--
2,3,4,6,7,8-HxCDF	ng/kg	3300 UJ	1.7 U	64 U	96 U	2300 U	--	0.51 U	0.73 J	0.36 U	8 J	50 U	1900 U	3800 U	1100 U	--
2,3,4,7,8-PeCDF	ng/kg	100 J	2.1 U	2 J	2.6 J	7.9 J	0.66 U	0.14 U	0.1 U	0.2 U	--	1.8 J	6.7 J	13	12 J	--
2,3,7,8-TCDD	ng/kg	2.7 J	0.46 U	0.38 U	0.41 U	0.22 J	0.054 U	0.14 U	0.064 U	0.12 U	--	0.15 U	--	0.17 U	0.1 U	0.04 U
2,3,7,8-TCDF	ng/kg	25 UJ	0.63 U	1.2 J	1.2 U	1 J	--	0.41 U	0.095 U	0.082 U	1.5 J	0.39 U	1.1 J	0.75 J	1.1 J	--
OCDD	ng/kg	230000	2000	4300	5300	28000	200 J	41 U	18 U	14 U	--	1500	--	54000	15000	6500
OCDF	ng/kg	11000 J	94	55	130	2100	--	1.6 U	1.8 U	1.7 U	29	41	610	2000	830	--
TEQ Avian	ng/kg	440	6.3	9.7	15	150	--	0.55 U	0.65	0.35	5.9	7.8	140	300	86	--
TEQ Human	ng/kg	1100	8.8	17	21	190	--	0.35 U	0.6	0.28	4.3	9.5	180	410	100	--
TEQ Mammals	ng/kg	1100	8.8	17	21	190	--	0.35 U	0.6	0.28	4.3	9.5	180	410	100	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.6	7.6	8.3	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	--	--	2 U	2 U	2.1 U	2 U	--	--	--	3.5	--	--
Arsenic	mg/kg	11	5.1	3	--	--	--	4.1	4.8	5.6	3.7	--	--	6.6	--	--
Barium	mg/kg	57	59	60	--	--	--	140 J	160	130	150 J	--	--	200	--	--
Beryllium	mg/kg	1 U	1 U	1 U	--	--	1 UJ	1 UJ	1 U	1 U	--	--	--	1.4 U	--	--
Cadmium	mg/kg	1.8	1 U	1 U	--	--	1 U	1 U	1 U	1 U	--	--	--	1.5	--	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.8	2.6	0.2 U	--	--	0.2 U	0.2 U	0.2 U	0.2 U	--	--	--	9.5	--	--
Chromium, total	mg/kg	72	130	5.5	--	--	--	31	25	26	18	--	--	340	--	--
Cobalt	mg/kg	27	5.7	2.5	--	--	--	9.9	8.2	10	7.3 J	--	--	6.5	--	--
Copper	mg/kg	140	22	4.2	--	--	--	11	11	13	9.5	--	--	40	--	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	30	22	2.2	--	--	7.9 J	2.1 J	1.5	1.5	--	--	--	18	--	--
Mercury	mg/kg	0.24	0.1 U	0.1 U	--	--	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	0.15	--	--
Molybdenum	mg/kg	1 U	1 U	1 U	--	--	1 U	1.4	1 U	1 U	--	--	--	1.4 U	--	--
Nickel	mg/kg	34	11	4.4	--	--	--	21	16	15	14 J	--	--	13	--	--
Selenium	mg/kg	1 U	1 U	1 U	--	--	1 UJ	1 UJ	1 UJ	1 UJ	--	--	--	1.4 UJ	--	--
Silver	mg/kg	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	--	--	--	1.4 U	--	--
Thallium	mg/kg	2 U	2 U	2 U	--	--	2 UJ	2 UJ	2.1 U	2 U	--	--	--	2.8 UJ	--	--
Vanadium	mg/kg	12	16	13	--	--	--	36 J	30	34	27	--	--	31	--	--
Zinc	mg/kg	26	56	11	--	--	--	41	45	42	38	--	--	110	--	--
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	8900	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	20000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-23	AOC10-23	AOC10-23	AOC10-24	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26
	SAMPLE	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272
	DATE	2/25/2016	2/25/2016	2/25/2016	3/7/2016	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017
SAMPLE TOP DEPTH (FT)		0	1	2	0	2	0	2	5	9	0	0	2	2.5	4.5	2
SAMPLE BOTTOM DEPTH (FT)		1	2	3	1	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	2	3	0.5	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
SAMPLE TYPE											Field Duplicate		Field Duplicate			
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	21000 J	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	6400	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	300	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	2300	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	290	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2 U	2 U	2 U	--	--	2 U	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	--	--	1 U	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5 U	5 U	5 U	--	--	5.1 U	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	50 U	50 U	50 U	--	--	51 U	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	33 U	33 U	33 U	--	--	34 U	33 U	34 U	34 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	--	17 UJ	17 UJ	17 UJ	17 UJ	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	110	17 U	17 U	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	127	25.5 U	25.5 U	--	--	25.5 U	25.5 U	25.5 U	25.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Acenaphthene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Anthracene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	63	58	5.8 U	--	--	--	5.9 U	5.9 U	5.9 U	72	--	--	--	--	--
Benzo (a) anthracene	ug/kg	51 J	50 U	5 U	--	--	5.1 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	45 J	50 U	5 U	--	--	7.1 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	82 J	50 U	5 U	--	--	--	5.1 U	5.1 U	5.1 U	99 J	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	23 J	50 U	5 U	--	--	--	5.1 U	5.1 U	5.1 U	17 J	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	28 J	50 U	5 U	--	--	--	5.1 U	5.1 U	5.1 U	32 J	--	--	--	--	--
Chrysene	ug/kg	56 J	50 U	5 U	--	--	7.8 J	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 UJ	50 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Fluoranthene	ug/kg	100 J	15 J	5 U	--	--	--	5.1 U	5.1 U	5.1 U	75 J	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-23	AOC10-23	AOC10-23	AOC10-24	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26
	SAMPLE	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272
	DATE	2/25/2016	2/25/2016	2/25/2016	3/7/2016	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017
SAMPLE TOP DEPTH (FT)		0	1	2	0	2	0	2	5	9	0	0	2	2.5	4.5	2
SAMPLE BOTTOM DEPTH (FT)		1	2	3	1	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	2	3	0.5	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
SAMPLE TYPE											Field Duplicate		Field Duplicate			
ANALYTE	**UNITS**															
Fluorene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	22 J	50 U	5 U	--	--	--	5.1 U	5.1 U	5.1 U	17 J	--	--	--	--	--
Naphthalene	ug/kg	5.1 UJ	5 U	5 U	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	--	--	--
PAH High molecular weight	ug/kg	504	15	0	--	--	--	0	0	0	467	--	--	--	--	--
PAH Low molecular weight	ug/kg	27	16	0	--	--	--	0	0	0	24	--	--	--	--	--
Phenanthrene	ug/kg	27 J	16 J	5 U	--	--	--	5.1 U	5.1 U	5.1 U	24 J	--	--	--	--	--
Pyrene	ug/kg	97 J	5 U	5 U	--	--	--	5.1 U	5.1 U	5.1 U	86 J	--	--	--	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	670 U	6600 U	660 U	--	--	670 U	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	660 U	660 U	--	--	670 U	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	670 U	660 U	660 U	--	--	670 U	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	660 U	660 U	--	--	670 U	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	3300 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	3300 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	3300 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	--	--	1700 U	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-23	AOC10-23	AOC10-23	AOC10-24	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26
	SAMPLE	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272
	DATE	2/25/2016	2/25/2016	2/25/2016	3/7/2016	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017
SAMPLE TOP DEPTH (FT)		0	1	2	0	2	0	2	5	9	0	0	2	2.5	4.5	2
SAMPLE BOTTOM DEPTH (FT)		1	2	3	1	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	2	3	0.5	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
SAMPLE TYPE											Field Duplicate		Field Duplicate			
ANALYTE	**UNITS**															
TPH as diesel	mg/kg	24	630	10 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1.3 U	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	69	1600	10 U	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	330 U	330 U	330 U	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	330 U	330 U	330 U	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	330 U	330 U	330 U	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	330 U	330 U	330 U	--	--	5.7 U	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	340 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	57 U	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	57 U	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	110 U	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	57 U	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-23	AOC10-23	AOC10-23	AOC10-24	AOC10-24	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-25	AOC10-26	AOC10-26	AOC10-26	AOC10-26	AOC10-26
	SAMPLE	AOC10-23-5258	AOC10-23-5260	AOC10-23-5259	AOC10-24-5261	AOC10-24-5262	AOC10-25-5266	AOC10-25-5268	AOC10-25-5269	AOC10-25-5270	AOC10-25-5267	AOC10-26-5271	AOC10-26-5273	AOC10-26-Debris	AOC10-26-5274	AOC10-26-5272
	DATE	2/25/2016	2/25/2016	2/25/2016	3/7/2016	3/7/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	1/8/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017
SAMPLE TOP DEPTH (FT)		0	1	2	0	2	0	2	5	9	0	0	2	2.5	4.5	2
SAMPLE BOTTOM DEPTH (FT)		1	2	3	1	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	2	3	0.5	3	0.5	3	6	10	0.5	0.5	3	2.7	5	3
SAMPLE TYPE											Field Duplicate		Field Duplicate			
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	670 U	660 U	660 U	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	670 U	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	2800	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	5.7 UJ	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	57 U	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	57 U	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	--	--	340 U	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	5.7 U	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5
	SAMPLE	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020
	DATE	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		0	2	4	0	2	5	0	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	450	260	30	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	44	36	6.8 J	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	3.4 U	3.3 J	0.22 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	6.3 U	2.3 U	0.3 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	4.4 U	4.6 J	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	12 J	9.9 J	0.22 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	5.5 U	5.7 J	0.59 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	1.1 U	1.8 U	0.21 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	2 U	1.4 U	0.3 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	7.9 J	5.3 J	0.22 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	7.2 U	1.7 U	0.36 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	6.5 U	100 U	18 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	7.7 J	5 U	0.32 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.14 U	0.2 U	0.13 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.71 U	0.47 U	0.25 U	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	6100	1800	260	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	71	72	17 J	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	13	11	1.6	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	13	13	1.7	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	13	13	1.7	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	8.86	9.26	9.24	--	--	8.2	9.55	9.28	--	7.64	8.22	8.57
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	--	2 UJ	2.1 U	2.1 U	--	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	4.1 U
Arsenic	mg/kg	--	--	--	3.1	3.3	5.4	--	7.4	3.5	2.5	5.9	7.7	9.6	8.2	12
Barium	mg/kg	--	--	--	160	160	220	--	110	110	130	75	48	500	380	--
Beryllium	mg/kg	--	--	--	2 U	5.1 U	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U
Cadmium	mg/kg	--	--	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	1.9	0.41 U	0.71	--	0.41 U	0.55	0.41 U	0.42 U	0.41 U	1	0.48	0.41 U
Chromium, total	mg/kg	--	--	--	--	43	37	64	28	33	26	27	18	39	30	19
Cobalt	mg/kg	--	--	--	4.6	10	9.9	--	9	6.5	7.1	10	7.9	9.6	8.3	8.8
Copper	mg/kg	--	--	--	14	14	16	--	12	14	16	16	12	27	21	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	7.8	5.1 U	2.9	--	2.8	11	4.4	3	2.7	27	34	--
Mercury	mg/kg	--	--	--	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 U	0.1 U	0.11 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	2 U	5.1 U	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U
Nickel	mg/kg	--	--	--	12	26	25	--	20	15	19	20	14	23	20	16
Selenium	mg/kg	--	--	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Silver	mg/kg	--	--	--	2 U	5.1 U	5.1 U	--	1 U	2 U	2 U	5.2 U	1 U	5.1 U	5.1 U	5.1 U
Thallium	mg/kg	--	--	--	4 U	10 U	10 U	--	2.1 U	4 U	4.1 U	10 U	2.1 U	10 U	10 U	10 U
Vanadium	mg/kg	--	--	--	23	43	46	--	33	32	33	40	27	52	43	--
Zinc	mg/kg	--	--	--	--	47	61	41	50	52	38	63	48	97	77	80
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	7200	--	--	--	--	--	18000	--	--
Calcium	mg/kg	--	--	--	31000	--	--	--	--	--	--	--	--	44000	--	--
Cyanide	mg/kg	--	--	--	--	--	--	1 U	--	--	--	--	--	1 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5
	SAMPLE	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020
	DATE	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		0	2	4	0	2	5	0	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	13000 J	--	--	--	--	--	--	--	--	28000	--	--
Magnesium	mg/kg	--	--	--	7700 J	--	--	--	--	--	--	--	--	12000	--	--
Manganese	mg/kg	--	--	--	260	--	--	--	--	--	--	--	--	1300	--	--
Potassium	mg/kg	--	--	--	1800	--	--	--	--	--	--	--	--	4100	--	--
Sodium	mg/kg	--	--	--	480	--	--	--	--	--	--	--	--	360	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	--	2 UJ	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	--	1 UJ	--	--	--	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	--	1 UJ	--	--	--	--	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	--	1 UJ	--	--	--	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	--	2 UJ	--	--	--	--	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	--	2 UJ	--	--	--	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	--	1 UJ	--	--	--	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	--	1 UJ	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 UJ	--	--	--	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	5.1 U	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	--	--	--	--	51 U	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1221	ug/kg	--	--	--	33 U	--	--	--	--	--	--	--	--	34 U	34 UJ	--
Aroclor 1232	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1242	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1248	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1254	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	49	33 J	--
Aroclor 1260	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	17 U	17 UJ	--
Total PCBs	ug/kg	--	--	--	25.5 U	--	--	--	--	--	--	--	--	66	50	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	9.8	5.1 U
B(a)P Equivalent	ug/kg	--	--	--	8.8	5.9 U	6 U	--	6 U	12	5.9 U	6 U	6 U	120	430	--
Benzo (a) anthracene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	44	190	5.1 U
Benzo (a) pyrene	ug/kg	--	--	--	5.2	5.1 U	5.2 U	--	5.2 U	8	5.1 U	5.2 U	5.2 U	76	290	--
Benzo (b) fluoranthene	ug/kg	--	--	--	5.4	5.1 U	5.2 U	--	5.2 U	9.2	5.1 U	5.2 U	5.2 U	88 J	370	--
Benzo (ghi) perylene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	7.3	5.1 U	5.2 U	5.2 U	62	240	--
Benzo (k) fluoranthene	ug/kg	--	--	--	5.9	5.1 U	5.2 U	--	5.2 U	8.9	5.1 U	5.2 U	5.2 U	84	300	--
Chrysene	ug/kg	--	--	--	7	5.1 U	5.2 U	--	5.2 U	11	5.1 U	5.2 U	5.2 U	100	350	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	20	61	5.1 U
Fluoranthene	ug/kg	--	--	--	11	5.1 U	5.2 U	--	5.2 U	17	5.1 U	5.2 U	5.2 U	150	530	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5
	SAMPLE	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020
	DATE	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		0	2	4	0	2	5	0	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Fluorene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	6.4	5.1 U	5.2 U	5.2 U	57	230	5.1 U
Naphthalene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	--	--	--	44.2	0	0	--	0	83.8	0	0	0	811	3060	--
PAH Low molecular weight	ug/kg	--	--	--	0	0	0	--	0	5.4	0	0	0	42	200	0
Phenanthrene	ug/kg	--	--	--	5 U	5.1 U	5.2 U	--	5.2 U	5.4	5.1 U	5.2 U	5.2 U	42	190	5.1 U
Pyrene	ug/kg	--	--	--	9.7	5.1 U	5.2 U	--	5.2 U	16	5.1 U	5.2 U	5.2 U	130	500	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	3600 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	3600 U	--	--
2-Chloro naphthalene	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2-Chlorophenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2-Methylphenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	3600 U	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
3-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	660 U	680 U	680 U	--	--	660 U	680 U	680 U	--	3400 U	680 U	670 U
4-Chloroaniline	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
4-Methylphenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
4-Nitroaniline	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	1700 U	1700 U	--	8400 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	3600 U	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	3600 U	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	3600 U	--	--
Benzoic acid	ug/kg	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	1700 U	1700 U	--	8400 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	660 U	680 U	680 U	--	--	660 U	680 U	680 U	--	3400 U	680 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Butylbenzylphthalate	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	330 UJ	--	--	--	--	--	--	--	--	1700 U	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	1700 U	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Dibenzofuran	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Diethyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Dimethyl phthalate	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Hexachlorobenzene	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Hexachloroethane	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Pentachlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5
	SAMPLE	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020
	DATE	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		0	2	4	0	2	5	0	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	10 U	10 U	10 U	--	--	10 U	10 U	10 U	--	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	1.6 U	1.4 U	--	--	--	1.4 U	1.4 U	--	--	1.2 U	1.4 U
TPH as motor oil	mg/kg	--	--	--	--	10 U	10 U	13	--	10 U	10 U	10 U	--	47.1	33.1	19.7
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1-Dichloroethene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1-Dichloropropene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2-Dibromoethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2-Dichlorobenzene	ug/kg	--	--	--	330 U	7.2 U	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U
1,2-Dichloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2-Dichloropropane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	330 U	7.2 U	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,3-Dichlorobenzene	ug/kg	--	--	--	330 U	7.2 U	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U
1,3-Dichloropropane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
1,4-Dichlorobenzene	ug/kg	--	--	--	330 U	7.2 U	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	1700 U	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
2-Hexanone	ug/kg	--	--	--	--	72 U	--	--	--	--	--	--	--	--	77 U	--
2,2-Dichloropropane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	1600 U	1600 U	1600 U	--	--	1600 U	1600 U	1700 U	--	8200 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Acetone	ug/kg	--	--	--	--	72 U	--	--	--	--	--	--	--	--	77 U	62 U
Acrolein	ug/kg	--	--	--	--	140 U	190 U	--	--	--	140 U	130 U	--	--	150 U	120 U
Acrylonitrile	ug/kg	--	--	--	--	72 U	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U
Benzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Bromobenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Bromochloromethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Bromodichloromethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Bromoform	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Bromomethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Carbon disulfide	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Carbon tetrachloride	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Chloro methane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Chlorobenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Chloroethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Chloroform	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Cyclohexane	ug/kg	--	--	--	--	7.2 U	--	--	--	--	--	--	--	--	7.7 U	--
Dibromochloromethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-27	AOC10-27	AOC10-27	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-3	AOC10-4	AOC10-4	AOC10-4	AOC10-4	AOC10-5	AOC10-5	AOC10-5
	SAMPLE	AOC10-27-5275	AOC10-27-5276	AOC10-27-5277	AOC10-3-5009	AOC10-3-5011	AOC10-3-5012	AOC10-3-5010	AOC10-3-5013	AOC10-4-5014	AOC10-4-5015	AOC10-4-5016	AOC10-4-5017	AOC10-5-5018	AOC10-5-5019	AOC10-5-5020
	DATE	1/4/2017	1/4/2017	1/4/2017	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008	9/19/2008
SAMPLE TOP DEPTH (FT)		0	2	4	0	2	5	0	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	5	0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Ethyl- benzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Hexachlorobutadiene	ug/kg	--	--	--	330 U	7.2 U	9.6 U	--	--	330 U	6.8 U	6.3 U	--	1700 U	7.7 U	6.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	--	--	--	--	--	3400 U	--	--
Isophorone	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Methyl acetate	ug/kg	--	--	--	--	7.2 U	--	--	--	--	--	--	--	--	7.7 U	--
Methyl ethyl ketone	ug/kg	--	--	--	--	72 U	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	72 U	96 U	--	--	--	68 U	63 U	--	--	77 U	62 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Methylcyclohexane	ug/kg	--	--	--	--	7.2 U	--	--	--	--	--	--	--	--	7.7 U	--
Methylene chloride	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
N-Butylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
N-Propylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Nitrobenzene	ug/kg	--	--	--	330 U	340 U	340 U	--	--	330 U	340 U	340 U	--	1700 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
sec-Butylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Styrene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
tert-Butylbenzene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Tetrachloroethene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Toluene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Trichloroethene	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Vinyl chloride	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Xylene, m,p-	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Xylene, o-	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U
Xylenes, total	ug/kg	--	--	--	--	7.2 U	9.6 U	--	--	--	6.8 U	6.3 U	--	--	7.7 U	6.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2
	SAMPLE	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236
	DATE	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		5	0	2	0	2	5	0	0	0	2	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	0.5	3	0.5	3	6	0.5	0.5	1	3	0.5	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	3	0.5	3	6	0.5	0.5	0.5	3	0.5	0.5	3	6	10
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	170 J	6.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	13 J	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	2.2 J	1.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	1 UJ	2 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	1.7 UJ	1.7 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	4.5 J	1.6 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	1.4 UJ	1.8 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.26 UJ	1.5 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.34 UJ	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	3.4 J	1.6 UJ	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.75 UJ	2.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	17 UJ	2 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	1.9 J	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.099 UJ	1.1 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.39 UJ	1.6 UJ	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	1800 J	5 UJ	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	28 U	5.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	4.3	3.4 U	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	5.2	2.3 U	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	5.2	2.3 U	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.55	7.97	8.05	8.11	7.91	8.44	--	--	--	8.35	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	2 UJ	2 U	2 U	2 U	2 U	--	4 U	2 U	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	--	7	4.2	7.6	8	9.6	--	8.6	9.1	4.8	8.8	3.8	3.1	2.9	2.9
Barium	mg/kg	1300	220 J	220	250	210	270	--	210	82	140	140	65	77	65	290
Beryllium	mg/kg	--	2 U	1 U	1 U	1 U	2 U	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	--	0.4 U	0.2 U	0.2 U	8.3	0.21 U	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	--	24	23	22	27	33	18	--	19	16	80	13	3.6	3.7	4.6
Cobalt	mg/kg	--	7.2	7	6.7	7.9	8.7	7	--	6.9	6.6	5.7	4.2	2.3	1.9	2.2
Copper	mg/kg	41	11	9.5	12	12	13	--	12	12	10	270 J	11	2.9	2.6	3.6
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.3	26	4.1	8.6	8.1	4.4	--	15 J	3.2	2.3	200 J	9.4	2.1	1.9	2.4
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.64	0.12	0.1 U	0.1 U	0.11 U
Molybdenum	mg/kg	--	2 U	1 U	1 U	1.1	2 U	--	2 U	1 U	1 U	19	1.1 U	1 U	1 U	1.1 U
Nickel	mg/kg	--	16	16	14	14	20	--	14	15	13	28	7.7	3.4	2.7	3.9
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Silver	mg/kg	--	2 U	1 U	1 U	1 U	2 U	--	2 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Thallium	mg/kg	--	4 U	2 U	2 U	2 U	4.1 U	--	4 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	37	32	34	29	33	38	33	--	29	26	17	18	9.6	9.3	9.9
Zinc	mg/kg	--	58	45	54	58	58	--	87	41	49	1000 J	36	10	9.5	12
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	8100	--	--	--	4100 J	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	23000	--	--	18000	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	4.9 U	--	--	1.1 U	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2
	SAMPLE	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236
	DATE	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		5	0	2	0	2	5	0	0	0	2	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	0.5	3	0.5	3	6	0.5	0.5	1	3	0.5	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	3	0.5	3	6	0.5	0.5	0.5	3	0.5	0.5	3	6	10
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	18000	--	--	--	32000 J	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	6300	--	--	--	3900	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	470	--	--	270	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	1600	--	--	1100	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	170	--	--	540	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	2.1 UJ	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	--	--	5.3 UJ	5.3 U	5.2 U	5.2 U	5.2 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	--	--	53 UJ	53 U	52 U	52 U	52 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	33 U	--	--	35 U	35 U	34 U	35 U	35 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	17 U	--	--	71	63	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	38	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	--	--	18 U	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	25.5 U	--	--	89	110	25.5 U	25.5 U	25.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U
Acenaphthene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U
Anthracene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	86	5.3 U	5.2 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	9.5	54	44	15	5.9	5.9 U	--	5.8 U	5.9 U	5.9 U	1600	12	6 U	6 U	6.1 U
Benzo (a) anthracene	ug/kg	--	22	8.4	5.4 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	560	5.3 U	5.2 U	5.2 U	5.3 U
Benzo (a) pyrene	ug/kg	5.8	36	39	10 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	920	7.4	5.2 U	5.2 U	5.3 U
Benzo (b) fluoranthene	ug/kg	5.9	33	16	9.7 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	1600	12	5.2 U	5.2 U	5.3 U
Benzo (ghi) perylene	ug/kg	5.4	32	5.1 U	8.6 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	1400	6.7	5.2 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	6.3	46	5.1 U	11 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	580	7	5.2 U	5.2 U	5.3 U
Chrysene	ug/kg	7.6	46	92	13 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	930	7.7	5.2 U	5.2 U	5.3 U
Dibenzo (a,h) anthracene	ug/kg	--	9.2	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	340	5.3 U	5.2 U	5.2 U	5.3 U
Fluoranthene	ug/kg	10	70	24	18 J	5.4	5.1 U	--	5 U	5.1 U	5.1 U	1000	11	5.2 U	5.2 U	5.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2
	SAMPLE	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236
	DATE	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		5	0	2	0	2	5	0	0	0	2	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	0.5	3	0.5	3	6	0.5	0.5	1	3	0.5	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	3	0.5	3	6	0.5	0.5	0.5	3	0.5	0.5	3	6	10
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	**UNITS**															
Fluorene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	28	5.1 U	7.9 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	1100	6	5.2 U	5.2 U	5.3 U
Naphthalene	ug/kg	--	5 U	5.1 U	5 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	80 U	5.3 U	5.2 U	5.2 U	5.3 U
PAH High molecular weight	ug/kg	50.7	386	223	101	10.6	0	--	0	0	0	9530	68.8	0	0	0
PAH Low molecular weight	ug/kg	--	22	90	5.7	0	0	--	0	0	0	286	0	0	0	0
Phenanthrene	ug/kg	--	22	90	5.7 J	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	200	5.3 U	5.2 U	5.2 U	5.3 U
Pyrene	ug/kg	9.7	64	44	17 J	5.2	5.1 U	--	5 U	5.1 U	5.1 U	1100	11	5.2 U	5.2 U	5.3 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	700 U	--	--	45000 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	700 U	--	--	45000 U	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2-Chlorophenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2-Methylphenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2-Nitroaniline	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
2-Nitrophenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	700 U	--	--	45000 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
3-Nitroaniline	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	660 U	1700 U	660 U	670 U	670 U	--	660 U	--	--	42000 U	--	--	--	--
4-Chloroaniline	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
4-Methylphenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
4-Nitroaniline	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
4-Nitrophenol	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	4200 U	1700 U	1700 U	1700 U	--	1700 U	--	--	110000 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	700 U	--	--	45000 U	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	700 U	--	--	45000 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	700 U	--	--	45000 U	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	4200 U	1700 U	1700 U	1700 U	--	1700 U	--	--	110000 U	--	--	--	--
Benzyl alcohol	ug/kg	--	660 U	1700 U	660 U	670 U	670 U	--	660 U	--	--	42000 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Butylbenzylphthalate	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	330 U	--	--	21000 U	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	330 U	--	--	21000 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Dibenzofuran	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Diethyl phthalate	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Dimethyl phthalate	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Hexachlorobenzene	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Hexachloroethane	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Pentachlorophenol	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
Phenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2
	SAMPLE	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236
	DATE	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		5	0	2	0	2	5	0	0	0	2	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	0.5	3	0.5	3	6	0.5	0.5	1	3	0.5	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	3	0.5	3	6	0.5	0.5	0.5	3	0.5	0.5	3	6	10
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	10 U	51.8	10 U	10 U	10 U	--	10 U	--	--	213 UJ	--	--	--	--
TPH as gasoline	mg/kg	--	--	1.5 UJ	--	1.6 UJ	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	15.7	207	26.5	14.5	11.5	--	10 U	--	--	297 J	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	330 U	840 U	330 U	7 U	6.4 U	--	330 U	--	--	21000 U	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	330 U	840 U	330 U	7 U	6.4 U	--	330 U	--	--	21000 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	330 U	840 U	330 U	7 U	6.4 U	--	330 U	--	--	21000 U	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	330 U	840 U	330 U	7 U	6.4 U	--	330 U	--	--	21000 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	21000 U	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	1600 U	4100 U	1600 U	1600 U	1600 U	--	1600 U	--	--	1e+05 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	11000 U	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	22000 U	--	140 U	130 U	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	11000 U	--	70 U	64 U	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Bromobenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-5	AOC10-6	AOC10-6	AOC10-7	AOC10-7	AOC10-7	AOC10-8	AOC10-8	AOC10-9	AOC10-9	AOC10a-1	AOC10a-2	AOC10a-2	AOC10a-2	AOC10a-2
	SAMPLE	AOC10-5-5021	AOC10-6-5023	AOC10-6-5024	AOC10-7-5027	AOC10-7-5028	AOC10-7-5029	AOC10-8-5033	AOC10-8-5031	AOC10-9-5229	AOC10-9-5230	AOC10a-1-5036	AOC10a-2-5233	AOC10a-2-5234	AOC10a-2-5235	AOC10a-2-5236
	DATE	9/19/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	8/22/2008	8/22/2008	12/7/2015	12/7/2015	10/17/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016
SAMPLE TOP DEPTH (FT)		5	0	2	0	2	5	0	0	0	2	0	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	0.5	3	0.5	3	6	0.5	0.5	1	3	0.5	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	3	0.5	3	6	0.5	0.5	0.5	3	0.5	0.5	3	6	10
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	330 U	840 U	330 U	7 U	6.4 U	--	330 U	--	--	21000 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	660 U	--	--	42000 U	--	--	--	--
Isophorone	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
Isopropylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	11000 U	--	70 U	64 U	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	11000 U	--	70 U	64 U	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	330 U	840 U	330 U	330 U	340 U	--	330 U	--	--	21000 U	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	1100 U	--	7 U	6.4 U	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2
	SAMPLE	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	2700	5400	9.5 U	4.8 U	--	--	--	--	820 J	4600 J	2600 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	550	660	1.3 U	0.52 U	--	--	--	--	88 J	980 J	650 J	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	5.1 U	18	0.39 U	0.12 U	--	--	--	--	5.8 J	33 J	27 J	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	9.7 U	15 U	0.67 U	0.4 U	--	--	--	--	2.2 UJ	25 J	11 UJ	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	87 U	76 U	0.52 U	0.22 U	--	--	--	--	5.3 UJ	83 UJ	56 J	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	100	110	0.24 U	0.15 U	--	--	--	--	20 J	170 J	1.2 UJ	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	8.5 U	13 U	0.59 U	0.35 U	--	--	--	--	4.1 UJ	42 J	56 UJ	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	7.3 J	8 J	0.15 U	0.21 U	--	--	--	--	2.7 J	16 J	15 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	1 U	2.7 U	0.2 U	0.1 U	--	--	--	--	0.59 UJ	1.7 UJ	8.3 UJ	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	31	43	0.25 U	0.16 U	--	--	--	--	12 J	67 J	54 J	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	11 U	17 U	1.6 U	0.45 U	--	--	--	--	2.5 UJ	9.6 UJ	12 UJ	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	1200 U	1000 U	0.67 U	0.65 U	--	--	--	--	100 UJ	1700 UJ	1600 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	4 J	3.5 U	0.13 U	0.11 U	--	--	--	--	0.59 UJ	5.7 UJ	8.3 UJ	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.22 U	0.66 J	0.15 U	0.14 U	--	--	--	--	0.14 UJ	0.62 UJ	0.17 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.38 U	2.3 J	0.092 U	0.29 U	--	--	--	--	0.36 UJ	1.6 UJ	0.38 UJ	--	--	--	--
OCDD	ng/kg	22000	44000	75	34	--	--	--	--	7900 J	38000 J	17000 J	--	--	--	--
OCDF	ng/kg	1200	2200	2.3 U	1.8 U	--	--	--	--	230 J	1800 J	930 J	--	--	--	--
TEQ Avian	ng/kg	88	88	0.49	0.49	--	--	--	--	13	140	120	--	--	--	--
TEQ Human	ng/kg	120	150	0.48	0.36	--	--	--	--	24	200	150	--	--	--	--
TEQ Mammals	ng/kg	120	150	0.48	0.36	--	--	--	--	24	200	150	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	9.01	9.75	9.86	--	--	8.93	9.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	--	2 U	2 U
Arsenic	mg/kg	3.7	4.7	3.6	3.2	3.6	3.8	3.5	2.2	3.6	3.1	3.1	4.7	--	3	2.9
Barium	mg/kg	150	140	82	150	140	130	130	310	130	120	110	120	--	89	100
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	5.3	1.3	0.21 U	0.21 U	--	--	--	--	0.56	1.4	0.43	0.41 U	--	0.43	1.1
Chromium, total	mg/kg	100	68	45	39	33	11	11	47	24	63	20	29	--	29	47
Cobalt	mg/kg	7.6	5.7	9	10	10	4.1	3.9	12	4.8	4.8	3.9	6.2	--	3.8	4.3
Copper	mg/kg	27	25	12	31	30	6.3	6.9	14	9.8	28	8	10	--	11	15
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.2	22	1.7	2.3	4	2.6	2.5	2.1	8.6	--	4.3	3.7	12 J	8.2	5.2
Mercury	mg/kg	0.13	0.21	0.19	0.16	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.4	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1.5	1.1	1.1
Nickel	mg/kg	19	16	28	32	25	7.7	7.9	35	10	11	8.4	16	--	8.9	10
Selenium	mg/kg	1 U	1 U	1 U	1 U	1.1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2 UJ	2 UJ	2.1 UJ	2 U	2 U	2 U	4 U	--	2 U	2 U
Vanadium	mg/kg	27	22	40	42	34	19	17	43	25	20	16	24	--	17	17
Zinc	mg/kg	35	70	34	38	41	20	19	41	38	--	39	29	160 J	40	44
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	4900	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	20000	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2
	SAMPLE	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	13000	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	4700	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	180	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	990	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	200	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDE	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--	2 U	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	--	--	--	--	1 U	--	--	--	--	--	--
Methoxy chlor	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	--	--	--	--	--	--
Toxaphene	ug/kg	51 U	52 U	52 U	52 U	--	--	--	--	50 U	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	34 U	34 U	34 U	--	--	--	--	33 U	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	130	17 U	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	85	17 U	17 U	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--
Total PCBs	ug/kg	25.5 U	224	25.5 U	25.5 U	--	--	--	--	25.5 U	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	7.3	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
Anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
B(a)P Equivalent	ug/kg	5.9 U	58	6 U	6 U	--	--	--	--	12	5.8 U	5.9 U	5.9 U	--	21	5.8 U
Benzo (a) anthracene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	7.4	5 U
Benzo (a) pyrene	ug/kg	5.1 U	52 U	5.2 U	5.2 U	--	--	--	--	7.4	5 U	5.1 U	5.1 U	--	14	5 U
Benzo (b) fluoranthene	ug/kg	5.1 U	52 U	5.2 U	5.2 U	--	--	--	--	10	5 U	5.1 U	5.1 U	--	22	5 U
Benzo (ghi) perylene	ug/kg	5.1 U	52 U	5.2 U	5.2 U	--	--	--	--	9.5	5 U	5.1 U	5.1 U	--	15	5 U
Benzo (k) fluoranthene	ug/kg	5.1 U	52 U	5.2 U	5.2 U	--	--	--	--	10	5 U	5.1 U	5.1 U	--	17	5 U
Chrysene	ug/kg	5.1 U	33	5.2 U	5.2 U	--	--	--	--	8.9	5 U	5.1 U	5.1 U	--	18	5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	52 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
Fluoranthene	ug/kg	5.1 U	50	5.2 U	5.2 U	--	--	--	--	7.4	5 U	5.1 U	5.1 U	--	19	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2
	SAMPLE	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	52 U	5.2 U	5.2 U	--	--	--	--	7.4	5 U	5.1 U	5.1 U	--	13	5 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
PAH High molecular weight	ug/kg	0	130	0	0	--	--	--	--	67.9	0	0	0	--	144	0
PAH Low molecular weight	ug/kg	0	21.3	0	0	--	--	--	--	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5.1 U	14	5.2 U	5.2 U	--	--	--	--	5 U	5 U	5.1 U	5.1 U	--	5 U	5 U
Pyrene	ug/kg	5.1 U	47	5.2 U	5.2 U	--	--	--	--	7.3	5 U	5.1 U	5.1 U	--	19	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	660 U	660 U	670 U	670 U	--	660 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	660 U	660 U	670 U	670 U	--	660 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2
	SAMPLE	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	10 U	10 U	34.2	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	1.1 U	1.1 UJ	1.5 U	--	--	1.9 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	10.9	--	10 U	10 U	14.5	11.2	17
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	68 U	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	69 UJ	75 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	140 U	150 U	140 U	--	--	140 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	75 U	70 U	68 U	--	68 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 UJ	7 U	6.8 UJ	--	6.8 UJ
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.8 U	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-3	AOC10a-4	AOC10a-4	AOC10a-4	AOC10a-4	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-1	AOC10b-2	AOC10b-2
	SAMPLE	AOC10a-3-5237	AOC10a-3-5238	AOC10a-3-5239	AOC10a-3-5240	AOC10a-4-5278	AOC10a-4-5279	AOC10a-4-5280	AOC10a-4-5281	AOC10b-1-5040	AOC10b-1-5041	AOC10b-1-5043	AOC10b-1-5044	AOC10b-1-5042	AOC10b-2-5045	AOC10b-2-5046
	DATE	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017	1/8/2017	1/8/2017	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	9	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	330 U	--	7.5 U	7 U	6.8 U	330 U	6.8 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	660 U	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.8 U	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	75 U	70 U	68 U	--	68 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	75 U	70 U	68 U	--	68 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.8 U	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	--	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	7.5 U	7 U	6.8 U	--	6.8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1
	SAMPLE	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.68	--	8.13	9.41	9.79	--	--	9	9.61	9.25	--	8.93	8.99	9.42	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2 U	2.1 U	2 UJ	2 U	2 U	2 U
Arsenic	mg/kg	4.1	5.7	1 U	2.9	5	6.2	--	3.4	3.6	3.8	4	4.2	1.2	3.4	4
Barium	mg/kg	100	120	120	93	110	120	--	76	100	150	85	110	140	110	180
Beryllium	mg/kg	1 U	2 U	1 U	1 U	2.1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	0.022	--	--	--	--	--	--	--	--	--	0.049	--	--
Chromium, Hexavalent	mg/kg	0.45	0.76	27.7	1.8	0.43	0.42 U	--	0.4 U	0.4 U	0.41 U	0.42 U	2	27.3	4.8	1.4
Chromium, total	mg/kg	29	39	820	90	38	36	--	12	14	20	26	55	490	220	63
Cobalt	mg/kg	5.3	8.2	3.6	5.8	--	11	10	4	4.7	6.7	7.4	5.4	5.6	8.2	9.2
Copper	mg/kg	8.8	15	90	23	--	13	16	5.8	6.7	8.9	11	15	41	17	14
CR6 SPLP	mg/l	--	--	0.012 J	--	--	--	--	--	--	--	--	--	0.041 J	--	--
Lead	mg/kg	4.2	3.8	24	5	3.8	3.5	--	41	10	3.4	2.8	7.8	18	5.4	3.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1	2 U	1.5	1 U	2.1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1.2	2 U	1
Nickel	mg/kg	14	22	9.2	14	--	26	25	9.1	9.6	14	18	13	13	20	23
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	2 U	1 U	1 U	2.1 U	2.1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Thallium	mg/kg	2 U	4 U	2 U	2 U	4.1 U	4.1 U	--	2 U	2 U	2 U	2.1 U	2 U	2 U	4.1 U	2 U
Vanadium	mg/kg	22	29	17	22	--	38	35	17	21	30	30	23	21	28	33
Zinc	mg/kg	27	38	240	59	40	44	--	29	31	35	42	48	76	42	39
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	7500	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	24000	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1
	SAMPLE	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	15000	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	6500	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	210	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1500	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	250	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5 U	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	50 U	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	33 U	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	16 U	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	24 U	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	22	5.9 U	6 U	6 U	--	17	5.8 U	5.9 U	6 U	16	33	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	10	5.1 U	5.2 U	5.2 U	--	8.1	5 U	5.1 U	5.2 U	7	15	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	10	5.1 U	5.2 U	5.2 U	--	11	5 U	5.1 U	5.2 U	11	21	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	34	5.1 U	5.2 U	5.2 U	--	13	5 U	5.1 U	5.2 U	11	23	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	18	5.1 U	5.2 U	5.2 U	--	8.6	5 U	5.1 U	5.2 U	11	18	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	18	5.1 U	5.2 U	5.2 U	--	16	5 U	5.1 U	5.2 U	13	27	5.1 U	5.1 U
Chrysene	ug/kg	5.1 U	5.1 U	19	5.1 U	5.2 U	5.2 U	--	16	5 U	5.1 U	5.2 U	13	27	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	6	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	6.3	5.1 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.1 U	8.7	5.1 U	5.2 U	5.2 U	--	20	5 U	5.1 U	5.2 U	18	33	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1
	SAMPLE	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	16	5.1 U	5.2 U	5.2 U	--	7.7	5 U	5.1 U	5.2 U	8.7	17	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5 U	5 U	5.1 U	5.2 U	5 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	149	0	0	0	--	119	0	0	0	111	219	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	--	5.6	0	0	0	0	9.3	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	--	5.6	5 U	5.1 U	5.2 U	5 U	9.3	5.1 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	8.9	5.1 U	5.2 U	5.2 U	--	19	5 U	5.1 U	5.2 U	18	32	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	660 U	670 U	680 U	680 U	--	660 U	660 U	670 U	680 U	660 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U	1700 U	1700 U	1600 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	700 U	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1600 U	1700 U	1700 U	1700 U	1600 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	660 U	670 U	680 U	680 U	--	660 U	660 U	670 U	680 U	660 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 UJ	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1
	SAMPLE	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
TPH as gasoline	mg/kg	1.3 U	1.6 U	--	1.3 U	--	1.4 U	1.5 U	--	1.4 U	1.1 U	1.6 U	--	1.9 UJ	1.6 U	1.3 U
TPH as motor oil	mg/kg	10 U	11	56	14.4	10 U	10 UJ	--	10 U	10 U	10 U	10 U	20.6	34.1	13.9	10 UJ
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1-Dichloroethene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1-Dichloropropene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1,1-Trichloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1,1,2-Tetrachloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1,2-Trichloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,1,2,2-Tetrachloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2-Dibromo-3-chloropropane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2-Dibromoethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2-Dichlorobenzene	ug/kg	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U
1,2-Dichloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2-Dichloropropane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2,3-Trichlorobenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2,3-Trichloropropane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,2,4-Trichlorobenzene	ug/kg	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U
1,2,4-Trimethylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,3-Dichlorobenzene	ug/kg	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U
1,3-Dichloropropane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,3,5-Trimethylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
1,4-Dichlorobenzene	ug/kg	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--	--
2-Chlorotoluene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	89 U	--	--
2,2-Dichloropropane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	--	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	89 U	--	85 U
Acrolein	ug/kg	130 U	180 U	--	150 U	160 U	170 U	--	--	130 U	140 U	150 U	--	180 U	160 U	170 U
Acrylonitrile	ug/kg	66 U	92 U	--	75 U	78 U	83 U	--	--	63 U	70 U	76 U	--	89 U	82 U	85 U
Benzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Bromobenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Bromochloromethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Bromodichloromethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Bromoform	ug/kg	6.6 UJ	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 UJ	7 UJ	7.6 U	--	8.9 U	8.2 U	8.5 U
Bromomethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Carbon disulfide	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Carbon tetrachloride	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Chloro methane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Chlorobenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Chloroethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Chloroform	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
cis-1,2-Dichloroethene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
cis-1,3-Dichloropropene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	8.9 U	--	--
Dibromochloromethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10b-2	AOC10b-2	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-3	AOC10b-4	AOC10b-4	AOC10b-4	AOC10b-4	AOC10c-1	AOC10c-1	AOC10c-1	AOC10c-1
	SAMPLE	AOC10b-2-5047	AOC10b-2-5048	AOC10b-3-5049	AOC10b-3-5050	AOC10b-3-5051	AOC10b-3-5053	AOC10b-3-5052	AOC10b-4-5054	AOC10b-4-5055	AOC10b-4-5056	AOC10b-4-5057	AOC10c-1-5058	AOC10c-1-5059	AOC10c-1-5060	AOC10c-1-5061
	DATE	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	5	0	2	5	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	6	0.5	3	6	10	0.5	3	6	10
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Dichlorodifluoromethane	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Ethyl- benzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Hexachlorobutadiene	ug/kg	6.6 U	9.2 U	330 U	7.5 U	7.8 U	8.3 U	--	330 U	6.3 U	7 U	7.6 U	330 U	8.9 U	8.2 U	8.5 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	8.9 U	--	--
Methyl ethyl ketone	ug/kg	66 U	92 U	--	75 U	78 U	83 U	--	--	63 U	70 U	76 U	--	89 U	82 U	85 U
Methyl isobutyl ketone	ug/kg	66 U	92 U	--	75 U	78 U	83 U	--	--	63 U	70 U	76 U	--	89 U	82 U	85 U
Methyl tert-butyl ether (MTBE)	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	8.9 U	--	--
Methylene chloride	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
N-Butylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
N-Propylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	--	330 U	330 U	330 U	340 U	330 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
sec-Butylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Styrene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
tert-Butylbenzene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Tetrachloroethene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Toluene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
trans-1,2-Dichloroethene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
trans-1,3-Dichloropropene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Trichloroethene	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Trichlorofluoromethane (Freon 11)	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Vinyl chloride	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Xylene, m,p-	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Xylene, o-	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U
Xylenes, total	ug/kg	6.6 U	9.2 U	--	7.5 U	7.8 U	8.3 U	--	--	6.3 U	7 U	7.6 U	--	8.9 U	8.2 U	8.5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5
	SAMPLE	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		0	2	5	2	9	0	2	5	2	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate					Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	10000 J	1700 J	74 J	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	1600 J	280 J	10 J	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	73 J	12 J	2.2 UJ	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	100 UJ	8.6 J	0.46 UJ	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	120 J	21 J	0.4 UJ	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	330 J	54 J	0.38 UJ	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	92 UJ	16 J	0.41 UJ	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	1.7 UJ	5.1 UJ	0.22 J	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	3.6 UJ	1.2 UJ	0.12 UJ	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	150 J	24 J	1.2 J	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	120 UJ	2.6 UJ	0.53 UJ	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	2600 UJ	530 UJ	30 UJ	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	14 UJ	1.2 UJ	0.12 UJ	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	2.4 J	0.23 UJ	0.058 UJ	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	6.9 J	1.4 J	0.091 UJ	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	110000 J	15000 J	550 J	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	3400 J	580 J	12 J	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	220	44	2.3	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	360	66	3.1	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	360	66	3.1	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.9	8.78	9.46	--	--	7.84	9.29	9.2	--	--	7.8	9.35	9.57	--	8.14
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	--	2 U	2 U	2 U	2 U	--	2 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2 U
Arsenic	mg/kg	5.9	--	3.4	4.1	4.5	9.4	--	3.9	3.6	4.4	11	5.9	4.6	7.3	6.6
Barium	mg/kg	130	--	150	150	86	270	--	140	230	64	310	170	120	200	170
Beryllium	mg/kg	2 U	--	1 U	1 U	1 U	2 U	--	1 U	2.1 U	1 U	2.1 U	2 U	1 U	2.1 U	2 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.3	3.8	1.9	--	0.61	2.6	--	0.51	9.3	0.41 U	2.7	2.1	2.8	0.44	2.5
Chromium, total	mg/kg	51	--	110	190	32	110	--	29	690	22	120	90	27	92	81
Cobalt	mg/kg	5.8	--	8.4	5.6	11	8	--	7.8	7	7.8	8.8	9.9	9.1	5.4	6.3
Copper	mg/kg	19	--	24	37	13	42	--	9	60	11	46	19	14	25	29
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	12	--	7	17	2.7	32	--	4.5	31	2.7	36	8.9	2.6	13	15
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	2 U	--	1.9	2.2	1 U	2 U	--	1 U	2.1 U	1 U	2.1 U	2 U	1 U	2.1 U	2 U
Nickel	mg/kg	13	--	19	13	22	19	--	17	16	14	21	20	17	13	15
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	2 U	--	1 U	1 U	1 U	2 U	--	1 U	2.1 U	1 U	2.1 U	2 U	1 U	2.1 U	2 U
Thallium	mg/kg	4 U	--	2 U	2 U	2 U	4.1 U	--	2 U	4.1 U	2.1 U	4.1 U	4.1 U	2 U	4.1 U	4 U
Vanadium	mg/kg	24	--	31	24	44	36	--	28	29	31	42	31	35	25	27
Zinc	mg/kg	61	--	51	78	50	140	--	36	140	41	150	52	47	74	80
Metals CLP																
Aluminum	mg/kg	8200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	25000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5
	SAMPLE	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		0	2	5	2	9	0	2	5	2	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate					Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	6600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	330	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	33 U	--	--	33 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	58	--	--	68 J	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	75	--	--	85	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
2-Methyl naphthalene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
Acenaphthene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
Acenaphthylene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
Anthracene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	8.4	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
B(a)P Equivalent	ug/kg	37	--	39	110	5.9 U	98	--	5.9 U	270	6 U	78	14	5.9 U	25	98
Benzo (a) anthracene	ug/kg	16	54	18	--	5.1 U	37	--	5.1 U	230 J	5.2 U	24	5.1 U	5.1 U	11	53
Benzo (a) pyrene	ug/kg	24	--	25	72	5.1 U	63	--	5.1 U	180 J	5.2 U	49	8.9	5.1 U	17	59
Benzo (b) fluoranthene	ug/kg	25	--	24	73	5.1 U	76	--	5.1 U	200 J	5.2 U	79	14	5.1 U	23	71
Benzo (ghi) perylene	ug/kg	20	--	17	46	5.1 U	60	--	5.1 U	84 J	5.2 U	43	7.7	5.1 U	17	58
Benzo (k) fluoranthene	ug/kg	32	--	30	89	5.1 U	80	--	5.1 U	170 J	5.2 U	60	11	5.1 U	24	67
Chrysene	ug/kg	30	--	30	92	5.1 U	89	--	5.1 U	260 J	5.2 U	71	12	5.1 U	24	84
Dibenzo (a,h) anthracene	ug/kg	7.1	--	7.5	18	5.1 U	17	--	5.1 U	33 J	5.2 U	14	5.1 U	5.1 U	5.2 U	21
Fluoranthene	ug/kg	37	--	38	130	5.1 U	110	--	5.1 U	400 J	5.2 U	87	15	5.1 U	30	120

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5
	SAMPLE	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	2	9	0	2	5	2	9	0	2	5	9	0
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
	SAMPLE TYPE		Field Duplicate					Field Duplicate								
ANALYTE	**UNITS**															
Fluorene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	19	--	16	46	5.1 U	55	--	5.1 U	92 J	5.2 U	38	7	5.1 U	15	50
Naphthalene	ug/kg	5 U	--	5 U	5 U	5.1 U	5.1 U	--	3.5 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.2 U	5 U
PAH High molecular weight	ug/kg	246	--	243	737	0	686	--	0	2000	0	547	90.6	0	190	683
PAH Low molecular weight	ug/kg	9.6	--	10	36	0	30	--	0	80.4	0	23	0	0	8.6	58
Phenanthrene	ug/kg	9.6	--	10	36	5.1 U	30	--	5.1 U	72 J	5.2 U	23	5.1 U	5.1 U	8.6	58
Pyrene	ug/kg	36	--	37	120	5.1 U	99	--	5.1 U	350 J	5.2 U	82	15	5.1 U	29	100
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2-Chlorophenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2-Methylphenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2-Nitroaniline	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
2-Nitrophenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
3-Nitroaniline	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	--	670 U	660 U	670 U	670 U	--	670 U	680 U	680 U	680 U	680 U	680 U	690 U	660 U
4-Chloroaniline	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
4-Methylphenol	ug/kg	330 UJ	--	330 U	330 UJ	340 U	340 U	--	330 U	340 U	340 U	340 UJ	340 U	340 U	340 U	330 UJ
4-Nitroaniline	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
4-Nitrophenol	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 UJ	--	1700 U	1700 UJ	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 UJ
Acetophenone	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	700 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	--	670 U	660 U	670 U	670 U	--	670 UJ	680 UJ	680 U	680 U	680 U	680 U	690 U	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Butylbenzylphthalate	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Caprolactam	ug/kg	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Dibenzofuran	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Diethyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Dimethyl phthalate	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Hexachlorobenzene	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Hexachloroethane	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Pentachlorophenol	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
Phenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5
	SAMPLE	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		0	2	5	2	9	0	2	5	2	9	0	2	5	9	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
SAMPLE TYPE			Field Duplicate					Field Duplicate								
ANALYTE	**UNITS**															
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 UJ	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
TPH as gasoline	mg/kg	--	--	1.3 U	1.2 U	1.7 U	--	--	1.1 U	1.3 U	1.3 U	--	1.6 U	1.5 U	1.4 U	--
TPH as motor oil	mg/kg	23.5	34.4	14.5	--	10 UJ	26.1	82.5	10 U	--	10 U	20.5	21.6	10 U	10 UJ	18.1
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1-Dichloroethene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1-Dichloropropene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1,1-Trichloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1,2-Trichloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2-Dibromoethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2-Dichlorobenzene	ug/kg	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U
1,2-Dichloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2-Dichloropropane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2,3-Trichloropropane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,2,4-Trichlorobenzene	ug/kg	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,3-Dichlorobenzene	ug/kg	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U
1,3-Dichloropropane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
1,4-Dichlorobenzene	ug/kg	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U
1,4-Dioxane	ug/kg	330 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
2-Hexanone	ug/kg	--	--	--	58 U	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
2,4,5-Trichlorophenol	ug/kg	1600 U	--	1600 U	1600 U	1600 U	1600 U	--	1600 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Acetone	ug/kg	--	--	65 U	58 UJ	68 U	--	--	--	--	71 U	--	70 U	75 U	67 U	--
Acrolein	ug/kg	--	--	130 U	120 U	140 U	--	--	70 U	140 U	140 U	--	140 U	150 U	130 U	--
Acrylonitrile	ug/kg	--	--	65 U	58 U	68 U	--	--	35 U	69 U	71 U	--	70 U	75 U	67 U	--
Benzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
bis (2-chloroethyl) ether	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Bromobenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Bromochloromethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Bromodichloromethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Bromoform	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Bromomethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Carbon disulfide	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Carbon tetrachloride	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Chloro methane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Chlorobenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Chloroethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Chloroform	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Cyclohexane	ug/kg	--	--	--	5.8 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-2	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-3	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-4	AOC10c-5
	SAMPLE	AOC10c-2-5062	AOC10c-2-5064	AOC10c-2-5065	AOC10c-2-5063	AOC10c-2-5066	AOC10c-3-5067	AOC10c-3-5069	AOC10c-3-5070	AOC10c-3-5068	AOC10c-3-5071	AOC10c-4-5072	AOC10c-4-5073	AOC10c-4-5074	AOC10c-4-5075	AOC10c-5-5076
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
	SAMPLE TOP DEPTH (FT)	0	2	5	2	9	0	2	5	2	9	0	2	5	9	0
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	3	10	0.5	3	6	3	10	0.5	3	6	10	0.5
	SAMPLE TYPE		Field Duplicate					Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Dichlorodifluoromethane	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Ethyl- benzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Hexachlorobutadiene	ug/kg	330 U	--	6.5 U	5.8 U	6.8 U	340 U	--	3.5 U	6.9 U	7.1 U	340 U	7 U	7.5 U	6.7 U	330 U
Hexachlorocyclopentadiene	ug/kg	660 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
Isopropylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Methyl acetate	ug/kg	--	--	--	5.8 U	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	65 U	58 U	68 U	--	--	35 U	69 U	71 U	--	70 U	75 U	67 U	--
Methyl isobutyl ketone	ug/kg	--	--	65 U	58 U	68 U	--	--	35 U	69 U	71 U	--	70 U	75 U	67 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Methylcyclohexane	ug/kg	--	--	--	5.8 U	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
N-Butylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
N-Propylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Nitrobenzene	ug/kg	330 U	--	330 U	330 U	340 U	340 U	--	330 U	340 U	340 U	340 U	340 U	340 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
sec-Butylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Styrene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
tert-Butylbenzene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Tetrachloroethene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Toluene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Trichloroethene	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Vinyl chloride	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Xylene, m,p-	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Xylene, o-	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--
Xylenes, total	ug/kg	--	--	6.5 U	5.8 U	6.8 U	--	--	3.5 U	6.9 U	7.1 U	--	7 U	7.5 U	6.7 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2
	SAMPLE	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085
	DATE	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	40	49	59	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	320	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	4.7 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	9.6 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	3.7 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	0.26 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.28 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	4.3 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	1.2 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	110 U	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	0.3 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	0.11 U	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	0.39 U	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	3300	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	39	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	8	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.79	9.76	--	--	--	--	--	--	--	8.25	8.89	9.02	--	--	7.78
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2 U	--	--	--	--	--	--	2 UJ	2 U	2.1 U	4.1 U	--	2 U
Arsenic	mg/kg	1 U	3.7	4.5	--	--	--	--	--	--	3.4	3.9	--	9.8	7.1	4.2
Barium	mg/kg	230	100	130	--	--	--	--	--	--	120	120	--	140	210	180
Beryllium	mg/kg	2.1 U	2.1 U	1 U	--	--	--	--	--	--	2 U	2 U	5.2 U	2.1 U	--	2 U
Cadmium	mg/kg	1 U	1 U	1 U	--	--	--	--	--	--	1 U	1 U	1 U	2.1 U	--	1 U
Chromium-SPLP	mg/l	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	16.4	1.5	0.42	0.54	0.21 U	0.23 U	0.22 U	0.26 U	0.21 U	0.64	2.9	1.1	0.41 U	--	0.4 U
Chromium, total	mg/kg	1500	82	47	40	31	39	32	33	32	49	150	66	23	--	22
Cobalt	mg/kg	6.7	8.6	9.1	--	--	--	--	--	--	6.8	7.1	11	9.4	--	6.2
Copper	mg/kg	110	12	15	--	--	--	--	--	--	16	31	23	12	--	17
CR6 SPLP	mg/l	0.13 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	47	4	3	--	--	--	--	--	--	8.8	6.8	--	3.5	5.3	21
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--	0.1 U	0.1 U	--	0.1 UJ	0.1 U	0.1 U
Molybdenum	mg/kg	2.9	2.1 U	1 U	--	--	--	--	--	--	2 U	2 U	5.2 U	2.1 U	--	2 U
Nickel	mg/kg	16	19	21	--	--	--	--	--	--	16	17	27	17	--	16
Selenium	mg/kg	1 U	1 U	1 U	--	--	--	--	--	--	1 U	1 U	1 U	2.1 U	--	1 U
Silver	mg/kg	2.1 U	2.1 U	1 U	--	--	--	--	--	--	2 U	2 U	5.2 U	2.1 U	--	2 U
Thallium	mg/kg	4.1 U	4.1 U	2 U	--	--	--	--	--	--	4 U	4.1 U	10 U	4.1 U	--	4 U
Vanadium	mg/kg	27	31	34	--	--	--	--	--	--	31	35	--	31	46	32
Zinc	mg/kg	170	44	46	--	--	--	--	--	--	58	76	80	58	--	61
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11000
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	28000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2
	SAMPLE	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085
	DATE	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	40	49	59	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18000
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8200
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	370
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2300
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2 UJ
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 UJ
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1221	ug/kg	--	--	--	34 UJ	--	--	--	--	--	--	--	--	--	--	33 U
Aroclor 1232	ug/kg	--	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1242	ug/kg	--	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1248	ug/kg	--	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1254	ug/kg	--	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	20
Aroclor 1260	ug/kg	--	--	--	17 UJ	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 U
Total PCBs	ug/kg	--	--	--	25.5 U	--	--	--	--	--	--	--	--	--	--	37
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
B(a)P Equivalent	ug/kg	110	6 U	5.9 U	5.9 R	--	--	--	--	--	23	5.9 U	6 U	6 U	--	170
Benzo (a) anthracene	ug/kg	52	5.2 U	5.1 U	5.1 R	--	--	--	--	--	9.9	5.1 U	5.2 U	5.2 U	--	80
Benzo (a) pyrene	ug/kg	69	5.2 U	5.1 U	5.1 R	--	--	--	--	--	16	5.1 U	5.2 U	5.2 U	--	120
Benzo (b) fluoranthene	ug/kg	96	5.2 U	5.1 U	5.1 R	--	--	--	--	--	25	5.1 U	5.2 U	5.2 U	--	160
Benzo (ghi) perylene	ug/kg	62	5.2 U	5.1 U	5.1 R	--	--	--	--	--	18	5.1 U	5.2 U	5.2 U	--	72
Benzo (k) fluoranthene	ug/kg	68	5.2 U	5.1 U	5.1 R	--	--	--	--	--	6.2	5.1 U	5.2 U	5.2 U	--	68
Chrysene	ug/kg	94	5.2 U	5.1 U	5.1 R	--	--	--	--	--	12	5.1 U	5.2 U	5.2 U	--	140
Dibenzo (a,h) anthracene	ug/kg	22	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	22
Fluoranthene	ug/kg	100	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14	5.1 U	5.2 U	5.2 U	--	230

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2
	SAMPLE	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085
	DATE	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	40	49	59	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	59	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14	5.1 U	5.2 U	5.2 U	--	76
Naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	5 U
PAH High molecular weight	ug/kg	722	0	0	0 R	--	--	--	--	--	129	0	0	0	--	1180
PAH Low molecular weight	ug/kg	29	0	0	0 R	--	--	--	--	--	0	0	0	0	--	77
Phenanthrene	ug/kg	29	5.2 U	5.1 U	5.1 R	--	--	--	--	--	5 U	5.1 U	5.2 U	5.2 U	--	77
Pyrene	ug/kg	100	5.2 U	5.1 U	5.1 R	--	--	--	--	--	14	5.1 U	5.2 U	5.2 U	--	210
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1800 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1800 U
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1800 U
2,4-Dichlorophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
4-Chloro-3-methylphenol	ug/kg	680 U	680 U	680 U	--	--	--	--	--	--	660 U	680 U	680 U	--	--	1700 U
4-Chloroaniline	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
4-Methylphenol	ug/kg	340 UJ	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 UJ	1700 U	1700 U	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	4100 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1800 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1800 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1800 U
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	4100 U
Benzyl alcohol	ug/kg	680 U	680 U	680 U	--	--	--	--	--	--	660 U	680 U	680 U	--	--	1700 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	830 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	830 U
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
Phenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2
	SAMPLE	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085
	DATE	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	40	49	59	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 UJ	--	--	--	--	--	--	10 U	10 U	11.1	--	--	10 U
TPH as gasoline	mg/kg	1.5 U	1.7 U	1.3 U	--	--	--	--	--	--	--	1.4 U	1.6 U	--	--	--
TPH as motor oil	mg/kg	70.9	10 U	10 UJ	--	--	--	--	--	--	10 U	15.3	27.9	--	--	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1-Dichloroethene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1-Dichloropropene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1,1-Trichloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1,2-Trichloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2-Dibromoethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2-Dichlorobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U	5.6 U	7.7 U	--	--	830 U
1,2-Dichloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2-Dichloropropane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2,3-Trichloropropane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U	5.6 U	7.7 U	--	--	830 U
1,2,4-Trimethylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,3-Dichlorobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U	5.6 U	7.7 U	--	--	830 U
1,3-Dichloropropane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
1,4-Dichlorobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U	5.6 U	7.7 U	--	--	830 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	830 U
2-Chlorotoluene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1600 U	1600 U	--	--	--	--	--	--	1600 U	1600 U	1700 U	--	--	4000 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
4-Isopropyltoluene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Acetone	ug/kg	73 U	77 U	71 U	--	--	--	--	--	--	--	56 U	--	--	--	--
Acrolein	ug/kg	150 U	150 U	140 U	--	--	--	--	--	--	--	110 U	150 U	--	--	--
Acrylonitrile	ug/kg	73 U	77 U	71 U	--	--	--	--	--	--	--	56 U	77 U	--	--	--
Benzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Bromobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Bromochloromethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Bromodichloromethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Bromoform	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Bromomethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Carbon disulfide	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Carbon tetrachloride	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Chloro methane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Chlorobenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Chloroethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Chloroform	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
cis-1,2-Dichloroethene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10c-5	AOC10c-5	AOC10c-5	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10c-6	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-1	AOC10d-2
	SAMPLE	AOC10c-5-5077	AOC10c-5-5078	AOC10c-5-5079	AOC10c-6-5241	AOC10c-6-5242	AOC10c-6-5247	AOC10c-6-5249	AOC10c-6-5248	AOC10c-6-5250	AOC10d-1-5080	AOC10d-1-5081	AOC10d-1-5082	AOC10d-1-5084	AOC10d-1-5083	AOC10d-2-5085
	DATE	10/1/2008	10/1/2008	10/1/2008	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/17/2008
SAMPLE TOP DEPTH (FT)		2	5	9	14	19	29	40	49	59	0	2	5	9	5	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	20	30	50	50	60	0.5	3	6	10	6	0.5
SAMPLE TYPE								Field Duplicate							Field Duplicate	
ANALYTE	UNITS															
Dibromomethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Dichlorodifluoromethane	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Ethyl- benzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Hexachlorobutadiene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	330 U	5.6 U	7.7 U	--	--	830 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1700 U
Isophorone	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
Isopropylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	73 U	77 U	71 U	--	--	--	--	--	--	--	56 U	77 U	--	--	--
Methyl isobutyl ketone	ug/kg	73 U	77 U	71 U	--	--	--	--	--	--	--	56 U	77 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
N-Butylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
N-Propylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	340 U	--	--	--	--	--	--	330 U	340 U	340 U	--	--	830 U
p-Chlorotoluene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
sec-Butylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Styrene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
tert-Butylbenzene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Tetrachloroethene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Toluene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Trichloroethene	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Vinyl chloride	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Xylene, m,p-	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Xylene, o-	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--
Xylenes, total	ug/kg	7.3 U	7.7 U	7.1 U	--	--	--	--	--	--	--	5.6 U	7.7 U	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9
	SAMPLE	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245
	DATE	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	12/15/2015	12/15/2015	12/15/2015
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	40 J	1.6 UJ	2.2 UJ
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	2.9 UJ	0.14 UJ	1.1 UJ
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.88 UJ	0.19 UJ	0.2 UJ
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.22 UJ	0.13 UJ	0.12 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.49 UJ	0.14 UJ	0.93 UJ
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.4 J	0.17 UJ	0.19 UJ
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.4 UJ	0.11 UJ	0.1 UJ
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.13 UJ	0.087 UJ	0.32 UJ
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.31 UJ	0.26 UJ	0.16 UJ
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.4 J	0.18 UJ	0.28 UJ
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.25 UJ	0.15 UJ	0.084 UJ
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	2.7 UJ	0.21 UJ	0.61 J
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.32 UJ	0.28 UJ	0.17 UJ
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.13 UJ	0.071 UJ	0.068 UJ
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.3 UJ	0.14 UJ	0.082 UJ
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	300 J	13 J	11 J
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	6.4 J	0.33 UJ	1.5 UJ
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.9	0.35	0.44
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.2	0.2	0.36
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1.2	0.2	0.36
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.63	9.07	--	8.13	8.85	9.42	--	--	7.84	8.54	9.07	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	--	2 U	4.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U
Arsenic	mg/kg	3.3	6.6	7.2	3.6	3.4	--	7.3	8.2	9.2	5.4	3.6	6.9	2.8	5.3	5.2
Barium	mg/kg	180	210	150	120	270	330	--	150	340	260	220	220	120	130	190
Beryllium	mg/kg	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U	5.1 U	1 U	1 U	1.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	0.053	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.2	0.6	0.41 U	0.41 U	1.9	--	0.41 U	0.41 U	0.92	3.9	0.42 U	0.41 U	0.2 U	0.21 U	0.21 U
Chromium, total	mg/kg	40	33	22	20	64	31	--	21	29	130	66	32	20	20	27
Cobalt	mg/kg	5.4	10	8.5	5.9	6.3	--	10	8.5	8.3	6.7	6.5	11	7.3	8.4	8.8
Copper	mg/kg	14	16	16	12	18	--	18	11	25	27	21	16	8.9	13	17
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	0.031 J	--	--	--	--	--
Lead	mg/kg	16	6.2	3.2	22	21	5.1	--	3.6	25	26	17	5.2	20	2.4	2.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	--	0.1 U	0.1 UJ	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U	5.1 U	1 U	1 U	1.1 U
Nickel	mg/kg	14	21	16	15	15	--	23	15	21	17	15	24	16	16	18
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	2 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U
Silver	mg/kg	2 U	5.1 U	5.1 U	2 U	2 U	--	5.1 U	2 U	5.2 U	2.1 U	2 U	5.1 U	1 U	1 U	1.1 U
Thallium	mg/kg	4.1 U	10 U	10 U	4 U	4.1 U	--	10 U	4.1 U	10 U	4.2 U	4.1 U	10 U	2 U	2.1 U	2.1 U
Vanadium	mg/kg	30	45	38	29	33	--	43	28	42	35	31	43	28	31	31
Zinc	mg/kg	54	70	73	52	61	--	60	56	85	81	64	68	44	48	49
Metals CLP																
Aluminum	mg/kg	--	--	--	8900	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	20000	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9
	SAMPLE	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245
	DATE	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	12/15/2015	12/15/2015	12/15/2015
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	6
SAMPLE TYPE							Field Duplicate									
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	17000	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	6700	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	270	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	1700	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	190	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 R	17 R	--
Aroclor 1221	ug/kg	34 UJ	--	--	33 U	34 UJ	--	--	--	--	--	--	--	33 R	34 R	--
Aroclor 1232	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 R	17 R	--
Aroclor 1242	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 R	17 R	--
Aroclor 1248	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 R	17 R	--
Aroclor 1254	ug/kg	17 UJ	--	--	19	17 UJ	--	--	--	--	--	--	--	17 R	17 R	--
Aroclor 1260	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	17 R	17 R	--
Aroclor 1262	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 UJ	--	--	17 U	17 UJ	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	25.5 U	--	--	36	25.5 U	--	--	--	--	--	--	--	25.5 R	25.5 R	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	7.9	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
B(a)P Equivalent	ug/kg	25	21	5.9 U	280	78	--	9	5.9 U	33	43	5.9 U	5.9 U	58	6 U	6 U
Benzo (a) anthracene	ug/kg	11	9.1	5.1 U	140	38	--	5.1 U	5.1 U	13	13	5.1 U	5.1 U	20	5.2 U	5.2 U
Benzo (a) pyrene	ug/kg	17	14	5.1 U	190	52	--	5.2	5.1 U	23	29	5.1 U	5.1 U	51 U	5.2 U	5.2 U
Benzo (b) fluoranthene	ug/kg	26	20	5.1 U	250	73	--	7	5.1 U	41	43	5.1 U	5.1 U	51 U	5.2 U	5.2 U
Benzo (ghi) perylene	ug/kg	14	12	5.1 U	110	43	--	5.1 U	5.1 U	21	25	5.1 U	5.1 U	51 U	5.2 U	5.2 U
Benzo (k) fluoranthene	ug/kg	11	9.8	5.1 U	120	22	--	5.1 U	5.1 U	11	15	5.1 U	5.1 U	51 U	5.2 U	5.2 U
Chrysene	ug/kg	23	16	5.1 U	220	58	--	5.4	5.1 U	32	31	5.1 U	5.1 U	30	5.2 U	5.2 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	33	11	--	5.1 U	5.1 U	5.2 U	5.8	5.1 U	5.1 U	51 U	5.2 U	5.2 U
Fluoranthene	ug/kg	35	26	5.1 U	360	99	--	7.9	5.1 U	47	44	5.1 U	5.1 U	49	5.2 U	5.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9
	SAMPLE	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245
	DATE	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	12/15/2015	12/15/2015	12/15/2015
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	5	9	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	6	10	0.5	3	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE						Field Duplicate									
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	14	12	5.1 U	120	41	--	5.1 U	5.1 U	20	23	5.1 U	5.1 U	51 U	5.2 U	5.2 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.3 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U
PAH High molecular weight	ug/kg	183	143	0	1880	527	--	33.7	0	250	271	0	0	145	0	0
PAH Low molecular weight	ug/kg	11	7.8	0	138	34	--	0	0	15	12	0	0	10	0	0
Phenanthrene	ug/kg	11	7.8	5.1 U	130	34	--	5.1 U	5.1 U	15	12	5.1 U	5.1 U	10	5.2 U	5.2 U
Pyrene	ug/kg	32	24	5.1 U	340	90	--	8.2	5.1 U	42	42	5.1 U	5.1 U	46	5.2 U	5.2 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	--	670 U	680 U	--	670 U	--	690 U	700 U	680 U	--	--	--	--
4-Chloroaniline	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--
Acetophenone	ug/kg	--	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	710 U	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	--	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--
Benzyl alcohol	ug/kg	670 U	670 U	--	670 U	680 U	--	670 U	--	690 U	700 U	680 U	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Caprolactam	ug/kg	--	--	--	330 UJ	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
Phenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9
	SAMPLE	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245
	DATE	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	12/15/2015	12/15/2015	12/15/2015
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	5	9	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	6	10	0.5	3	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE						Field Duplicate									
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	--	10 U	10 U	--	10 U	--	10 U	10 U	10 U	--	--	--	--
TPH as gasoline	mg/kg	1.4 U	1.3 U	--	--	1.4 U	--	1.5 U	--	--	1.4 U	1.5 UJ	--	--	--	--
TPH as motor oil	mg/kg	27.3 J	38.3 J	--	16.1 J	10 U	--	10 U	--	11.6	16.8	11.6	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1-Dichloroethene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1-Dichloropropene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1,1-Trichloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1,2-Trichloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2-Dibromoethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2-Dichlorobenzene	ug/kg	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U	--	--	--	--
1,2-Dichloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2-Dichloropropane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2,3-Trichloropropane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,3-Dichlorobenzene	ug/kg	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U	--	--	--	--
1,3-Dichloropropane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
1,4-Dichlorobenzene	ug/kg	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
2-Hexanone	ug/kg	72 U	--	--	--	68 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	--	1600 U	1600 U	--	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
4-Isopropyltoluene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	140 U	130 U	--	--	140 U	--	130 U	--	--	160 U	150 U	--	--	--	--
Acrylonitrile	ug/kg	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U	--	--	--	--
Benzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Bromobenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Bromochloromethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Bromodichloromethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Bromoform	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Bromomethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Carbon disulfide	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Carbon tetrachloride	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Chloro methane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Chlorobenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Chloroethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Chloroform	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Cyclohexane	ug/kg	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-2	AOC10d-2	AOC10d-2	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-3	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-4	AOC10d-9	AOC10d-9	AOC10d-9
	SAMPLE	AOC10d-2-5086	AOC10d-2-5087	AOC10d-2-5088	AOC10d-3-5089	AOC10d-3-5090	AOC10d-3-5092	AOC10d-3-5091	AOC10d-3-5093	AOC10d-4-5094	AOC10d-4-5095	AOC10d-4-5096	AOC10d-4-5097	AOC10d-9-5243	AOC10d-9-5244	AOC10d-9-5245
	DATE	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	9/18/2008	12/15/2015	12/15/2015	12/15/2015
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	5	9	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	6	10	0.5	3	6	10	1	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE						Field Duplicate									
ANALYTE	UNITS															
Dibromomethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Dichlorodifluoromethane	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Ethyl- benzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Hexachlorobutadiene	ug/kg	7.2 U	6.3 U	--	330 U	6.8 U	--	6.3 U	--	340 U	8.1 U	7.5 U	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	670 U	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
Isopropylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Methyl acetate	ug/kg	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U	--	--	--	--
Methyl isobutyl ketone	ug/kg	72 U	63 U	--	--	68 U	--	63 U	--	--	81 U	75 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Methylcyclohexane	ug/kg	7.2 U	--	--	--	6.8 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
N-Butylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
N-Propylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	--	330 U	340 U	--	340 U	--	340 U	350 U	340 U	--	--	--	--
p-Chlorotoluene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
sec-Butylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Styrene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
tert-Butylbenzene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Tetrachloroethene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Toluene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Trichloroethene	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Vinyl chloride	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Xylene, m,p-	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Xylene, o-	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--
Xylenes, total	ug/kg	7.2 U	6.3 U	--	--	6.8 U	--	6.3 U	--	--	8.1 U	7.5 U	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03
	SAMPLE	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100
	DATE	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	8/25/2008	8/25/2008	8/25/2008
SAMPLE TOP DEPTH (FT)		9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	0.17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.097 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.088 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.11 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.077 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.068 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.083 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.16 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.15 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.074 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.12 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	1.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	0.21 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	0.25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	0.14 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.14 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.4	8.1	7.8	8.1	8.6	8.4	8.9	10	9.1	8.7	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	4.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	--	--	--	--	0.4 UJ	--	--	0.78 J	--	--	0.41 UJ	0.4 U	0.4 U	0.41 U
Chromium, total	mg/kg	24	--	--	--	--	43	--	--	44	--	--	170	9.2	11	10
Cobalt	mg/kg	9.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	1 U	--	--	--	--	5.9	--	--	5.8	--	--	13	--	--	--
Nickel	mg/kg	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03
	SAMPLE	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100
	DATE	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	8/25/2008	8/25/2008	8/25/2008
SAMPLE TOP DEPTH (FT)		9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	34 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	25.5 R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03
	SAMPLE	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100
	DATE	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	8/25/2008	8/25/2008	8/25/2008
SAMPLE TOP DEPTH (FT)		9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	5.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03
	SAMPLE	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100
	DATE	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	8/25/2008	8/25/2008	8/25/2008
SAMPLE TOP DEPTH (FT)		9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10d-9	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS1	AOC10-OS2	AOC10-OS2	AOC10-OS2	AOC10-OS3	AOC10-OS4	AOC10-OS4	AOC10-XRF-01	AOC10-XRF-02	AOC10-XRF-03
	SAMPLE	AOC10d-9-5246	300a-36-1-1050	300a-36-1-1051	300a-36-1-1052	300a-36-1-1053	300a-36-1-1054	300a-34-1040	300a-34-1041	300a-34-1043	300a-33-1030	300a-31-1020	300a-31-1021	AOC10-XRF-01-5098	AOC10-XRF-02-5099	AOC10-XRF-03-5100
	DATE	12/15/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	8/25/2008	8/25/2008	8/25/2008
SAMPLE TOP DEPTH (FT)		9	0	2.5	5.5	9.5	11	0	2.5	5.5	5	6.5	6.5	0	0	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	11.5	0.5	3	6	5.5	7	7	0.5	0.5	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113
	DATE	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		3	0	2	5	9	0	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	3	6	10	1	1	3	6	10	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE							Field Duplicate				Field Duplicate					
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	6.2 UJ	0.93 UJ	--	--	--	13	0.88 U	0.65 U	0.044 U	--	100	4 J	58	6.6 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	0.83 UJ	0.11 UJ	--	--	--	1.2 U	0.056 U	0.06 U	--	0.028 U	9.3 J	0.47 J	5.9 J	1.3 J
1,2,3,4,7,8-HxCDD	ng/kg	--	0.099 UJ	0.033 UJ	--	--	--	0.12 U	0.32 J	0.054 U	--	0.025 U	0.8 U	0.1 U	0.62 U	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.17 UJ	0.03 UJ	--	--	--	0.11 U	0.042 U	0.056 U	0.028 U	--	1.1 U	0.13 U	0.23 U	0.091 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.21 UJ	0.079 UJ	--	--	--	0.15 U	0.071 U	0.076 U	--	0.041 U	0.68 U	0.11 U	0.23 U	0.18 U
1,2,3,6,7,8-HxCDD	ng/kg	--	0.099 UJ	0.033 UJ	--	--	--	0.32 U	0.3 J	0.059 U	--	0.024 U	3.9 J	0.1 U	2.1 U	0.065 U
1,2,3,6,7,8-HxCDF	ng/kg	--	0.16 UJ	0.028 UJ	--	--	--	0.1 U	0.03 U	0.052 U	0.026 U	--	1 U	0.12 U	0.16 U	--
1,2,3,7,8-PeCDD	ng/kg	--	0.068 UJ	0.033 UJ	--	--	--	0.059 U	0.05 U	0.027 U	--	0.061 U	0.36 U	0.044 U	0.14 U	0.043 U
1,2,3,7,8-PeCDF	ng/kg	--	0.064 UJ	0.032 UJ	--	--	--	0.15 U	0.088 U	0.049 U	--	0.066 U	0.12 U	0.04 U	0.11 U	--
1,2,3,7,8,9-HxCDD	ng/kg	--	0.16 J	0.057 UJ	--	--	--	0.12 U	0.039 U	0.056 U	--	0.023 U	1.7 J	0.097 U	1 U	0.062 U
1,2,3,7,8,9-HxCDF	ng/kg	--	0.2 UJ	0.023 UJ	--	--	--	0.13 U	0.049 U	0.065 U	0.033 U	--	1.3 U	0.15 U	0.16 U	0.11 U
2,3,4,6,7,8-HxCDF	ng/kg	--	1.1 UJ	0.07 UJ	--	--	--	1.6 U	0.034 U	0.18 U	0.061 U	--	14 U	1.1 U	9.2 U	--
2,3,4,7,8-PeCDF	ng/kg	--	0.066 UJ	0.033 UJ	--	--	--	0.16 U	0.095 U	0.053 U	0.04 U	--	0.13 U	0.043 U	0.26 U	--
2,3,7,8-TCDD	ng/kg	--	0.055 UJ	0.036 UJ	--	--	--	0.052 U	0.054 U	0.065 U	--	0.035 U	0.096 U	0.028 U	0.051 U	0.042 U
2,3,7,8-TCDF	ng/kg	--	0.051 UJ	0.026 UJ	--	--	--	0.08 U	0.16 U	0.063 U	--	0.098 U	0.25 U	0.17 U	0.19 U	--
OCDD	ng/kg	--	70 J	8.7 U	--	--	--	120	0.095 U	6.9 J	0.43 U	--	990	36	520	71
OCDF	ng/kg	--	0.99 UJ	0.12 UJ	--	--	--	5.3 J	0.13 U	0.54 U	--	0.04 U	33	0.97 U	20 J	5.6 J
TEQ Avian	ng/kg	--	0.24	0.079 U	--	--	--	0.32	0.21	0.13	--	0.15 U	1.8	0.24	1.1	0.4
TEQ Human	ng/kg	--	0.24	0.062 U	--	--	--	0.39	0.15	0.09	--	0.084 U	3.1	0.2	1.6	0.36
TEQ Mammals	ng/kg	--	0.24	0.062 U	--	--	--	0.39	0.15	0.09	--	0.084 U	3.1	0.2	1.6	0.36
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.9	9.5	9	8.9	--	7.8	8	8.5	--	8.5	8	8.4	8.2	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	2.1 U	2.4 U	2.8 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	--	--	3.3	3.9	6.1	5.2	5.1	3.5	2.9	2.8	--	3.3	3.6	3.7	3.4
Barium	mg/kg	--	--	140	120	140	200 J	100	73	81	--	37 J	98	120	110	--
Beryllium	mg/kg	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U
Cadmium	mg/kg	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.21 U	0.21 U	0.24 U	0.28 U	--	0.21 U	0.21 U	0.21 U	--	0.21 U	0.2 U	0.21 U	0.21 U	0.21 U
Chromium, total	mg/kg	26	11	11	18	15	--	21	21	30	--	23 J	15	20	20	23
Cobalt	mg/kg	--	4.8	3.9	5.8	6	--	7.4	7.9	9.4	--	9.4	5.6	7.9	7.7	8.6
Copper	mg/kg	--	9.7	9.5	8.1	9.2	--	8.7	10	12	--	9.4	8	10	11	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	7.8 J	5.2	5.3	6.1	--	2.4	1.9	2.2	2.7	--	2.6	2.3	2.4	2.2
Mercury	mg/kg	--	0.1 U	0.1 U	0.12 U	0.14 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	--
Molybdenum	mg/kg	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U
Nickel	mg/kg	--	9.5	8.3	12	12	--	15	16	21	--	17	12	15	15	17
Selenium	mg/kg	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U
Silver	mg/kg	--	1 U	1 U	1.2 U	1.4 U	--	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1.1 U
Thallium	mg/kg	--	--	2.1 U	2.4 U	2.8 U	2 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2 U	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	--	--	22	29	30	21	36	39	45	--	38	29	40	35	42
Zinc	mg/kg	--	67 J	32	38	37	--	51	44	45	46	--	31	43	38	45
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113
	DATE	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		3	0	2	5	9	0	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	3	6	10	1	1	3	6	10	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE							Field Duplicate				Field Duplicate					
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	34 U	34 U	34 U	--	34 U	34 U	34 U	34 U	35 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
2-Methyl naphthalene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Acenaphthene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Acenaphthylene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Anthracene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
B(a)P Equivalent	ug/kg	--	--	6 U	11	8 U	21	6	6 U	6 U	--	6 U	10	6 U	15	6.1 U
Benzo (a) anthracene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	7.2	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1	5.2 U	14	5.3 U
Benzo (a) pyrene	ug/kg	--	--	5.2 U	5.9	6.9 U	14	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1	5.2 U	7.6	5.3 U
Benzo (b) fluoranthene	ug/kg	--	--	5.2 U	13	6.9 U	28 J	5.2 U	5.2 U	5.2 U	--	5.2 U	17	5.2 U	26	5.3 U
Benzo (ghi) perylene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	7.2	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Benzo (k) fluoranthene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	7.5	5.2 U	5.2 U	5.2 U	--	5.2 U	5.8	5.2 U	9.7	5.3 U
Chrysene	ug/kg	--	--	5.2 U	6.7	6.9 U	13	5.2 U	5.2 U	5.2 U	--	5.2 U	11	5.2 U	32	5.3 U
Dibenzo (a,h) anthracene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Fluoranthene	ug/kg	--	--	5.2 U	11	6.9 U	22 J	8.3	5.2 U	5.2 U	--	5.2 U	24	5.2 U	49	5.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113
	DATE	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		3	0	2	5	9	0	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	3	6	10	1	1	3	6	10	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE							Field Duplicate				Field Duplicate					
ANALYTE	UNITS															
Fluorene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	6.8	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
Naphthalene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.2 U	5.1 U	5.2 U	5.2 U	5.3 U
PAH High molecular weight	ug/kg	--	--	0	46.4	0	126	13.5	0	0	--	0	89	0	184	0
PAH Low molecular weight	ug/kg	--	--	0	0	0	7.5	0	0	0	--	0	5.4	0	0	0
Phenanthrene	ug/kg	--	--	5.2 U	5.9 U	6.9 U	7.5	5.2 U	5.2 U	5.2 U	--	5.2 U	5.4	5.2 U	5.2 U	5.3 U
Pyrene	ug/kg	--	--	5.2 U	9.8	6.9 U	20	5.2	5.2 U	5.2 U	--	5.2 U	21	5.2 U	46	5.3 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2-Chlorophenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2-Methylphenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2,6-Dinitrotoluene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
4-Chloro-3-methylphenol	ug/kg	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U
4-Chloroaniline	ug/kg	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
4-Methylphenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 UJ	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Butylbenzylphthalate	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Di-n-octyl phthalate	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Dibenzofuran	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Diethyl phthalate	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Dimethyl phthalate	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Hexachlorobenzene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Hexachloroethane	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
N-nitrosodiphenylamine	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1900 U	2300 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113
	DATE	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		3	0	2	5	9	0	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	3	6	10	1	1	3	6	10	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE							Field Duplicate				Field Duplicate					
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	10 U	10 U	12 U	14 U	--	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	11 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	10 U	42	14 U	29	13	10 U	10 U	--	10 U	19	10 U	13	11 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC10-XRF-10	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-1	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-2	AOC11-3	AOC11-3	AOC11-3	AOC11-3
	SAMPLE	AOC10-XRF-10-5107	AOC11-1-6100	AOC11-1-6102	AOC11-1-6103	AOC11-1-6104	AOC11-1-6101	AOC11-2-6105	AOC11-2-6106	AOC11-2-6107	AOC11-2-6109	AOC11-2-6108	AOC11-3-6110	AOC11-3-6111	AOC11-3-6112	AOC11-3-6113
	DATE	9/21/2008	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016	1/5/2016
SAMPLE TOP DEPTH (FT)		3	0	2	5	9	0	0	2	5	9	9	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		4	1	3	6	10	1	1	3	6	10	10	1	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		4	0.5	3	6	10	0.5	0.5	3	6	10	10	0.5	3	6	10
SAMPLE TYPE							Field Duplicate				Field Duplicate					
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	690 U	780 U	920 U	680 U	680 U	680 U	690 U	--	690 U	670 U	680 U	680 U	700 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	340 U	340 U	390 U	460 U	--	340 U	340 U	340 U	--	340 U	340 U	340 U	340 U	350 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6
	SAMPLE	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		9	0	2	0	2	0	2	2	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		10	1	3	0	3	0	3	3	0	3	6	0	3	6	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	0	3	0	3	3	0	3	6	0	3	6	0
SAMPLE TYPE		Field Duplicate							Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	43	120	12 J	8.1 J	100	390	--	14	7.8 J	65	490	560 J	350 J	230
1,2,3,4,6,7,8-HpCDF	ng/kg	--	3.7 J	5.1 J	1.1 J	0.81 J	8.2 J	32	--	1.2 J	0.78 U	4.9 J	28	0.27 U	0.35 U	22
1,2,3,4,7,8-HxCDD	ng/kg	0.083 J	0.35 U	0.76 U	0.42 U	0.22 U	0.67 U	2.9 J	--	0.28 U	0.2 U	0.75 J	2 J	1.5 J	1.4 J	2.2 J
1,2,3,4,7,8-HxCDF	ng/kg	--	0.11 U	0.3 U	0.16 U	0.12 U	1 J	2.7 J	--	0.097 U	0.12 U	0.42 U	3 J	4.3 J	2.9 U	2 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.25 U	0.59 U	0.13 U	0.18 U	0.89 J	--	2.4 J	0.12 U	0.15 U	0.53 U	2.3 U	4 J	2.9 J	2 J
1,2,3,6,7,8-HxCDD	ng/kg	--	1.1 U	2.4 J	0.22 U	0.22 U	2.6 J	--	9.7 J	0.6 J	0.28 U	2.1 J	11 J	15	11 J	6.9 J
1,2,3,6,7,8-HxCDF	ng/kg	0.13 U	0.27 U	0.28 U	0.15 U	0.12 U	0.5 J	1.5 J	--	0.093 U	0.12 U	0.41 U	1.1 J	1.4 J	0.96 U	1 J
1,2,3,7,8-PeCDD	ng/kg	--	0.15 U	0.2 U	0.12 U	0.13 U	0.49 U	1.3 U	--	0.11 U	0.15 U	0.38 U	1 J	0.55 U	0.29 U	1.2 U
1,2,3,7,8-PeCDF	ng/kg	0.13 U	0.14 U	0.14 U	0.11 U	0.14 U	0.26 U	--	0.87 J	0.11 U	0.12 U	0.19 U	0.43 U	0.24 U	0.47 U	0.47 U
1,2,3,7,8,9-HxCDD	ng/kg	--	0.89 J	1.2 U	0.21 U	0.21 U	1.3 J	4.7 J	--	0.29 U	0.18 U	0.99 U	3.4 J	3 J	2.1 J	3.3 U
1,2,3,7,8,9-HxCDF	ng/kg	--	0.34 U	0.35 U	0.2 U	0.16 U	0.23 U	--	0.88 J	0.12 U	0.16 U	0.22 U	0.44 U	1.6 J	1.2 U	0.51 U
2,3,4,6,7,8-HxCDF	ng/kg	0.14 U	5.2 U	7.9 U	1.4 U	1.3 J	18 U	48 U	--	1.8 U	1.3 U	9.7 U	46 U	100 U	71 U	28 U
2,3,4,7,8-PeCDF	ng/kg	0.14 U	0.15 U	0.15 U	0.12 U	0.16 U	0.45 U	1.2 J	--	0.12 U	0.13 U	0.21 U	1.3 U	3.7 J	2.6 U	1.3 J
2,3,7,8-TCDD	ng/kg	--	0.038 U	0.053 U	0.11 U	0.24 U	0.15 U	0.088 U	--	0.095 U	0.11 U	0.13 U	0.15 U	0.1 U	0.14 U	0.12 U
2,3,7,8-TCDF	ng/kg	0.045 U	0.28 U	0.16 U	0.098 U	0.071 U	0.19 U	0.49 U	--	0.1 U	0.11 U	0.18 U	0.48 U	0.83 J	0.72 U	0.65 U
OCDD	ng/kg	--	390	1200	100	70	1000	4900	--	120	70	600	6200	7000	4700	2200
OCDF	ng/kg	--	8.8 J	16 J	2.4 J	1.6 J	25	140	--	2.4 U	2 U	16 J	82	130	100	65
TEQ Avian	ng/kg	--	0.84	1.1	0.38	0.5	2.2	7	--	0.39	0.38	1.3	6.7	12	7	5.1
TEQ Human	ng/kg	--	1.2	2.6	0.44	0.51	3.3	11	--	0.51	0.38	2.1	13	17	11	7.1
TEQ Mammals	ng/kg	--	1.2	2.6	0.44	0.51	3.3	11	--	0.51	0.38	2.1	13	17	11	7.1
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.7	9.5	11	9.1	9	8.7	9.4	--	8.6	8.7	9.6	8.6	9.7	9.8	8.4
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	2.1 U	2.1 U	2 UJ	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U
Arsenic	mg/kg	--	3.3	3.5	7.2 J	6.7	3	3.1	--	3.4	3.4	3.6	3.4	2.7	3.4	3.1
Barium	mg/kg	90	120	140	200 J	170	150	120	--	150	120	150	110	97	110	140
Beryllium	mg/kg	--	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.2 U	1	0.2 U	0.21 U	0.2 U	0.43	--	0.2 U	0.2 U	0.21 U	0.2 U	0.21 U	0.21 U	0.22
Chromium, total	mg/kg	--	25	16	18 J	16	14	18	--	16	14	17	21	18	20	18
Cobalt	mg/kg	--	5.5	5.8	7 J	6.5	5	5	--	6.2	5.9	6.4	6.8	5.7	6.2	5.7
Copper	mg/kg	7.7	9.1	9	11 J	11	8.6	--	7.7	9.6	8.6	10	12	9.3	8.9	9.2
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	4.1	4.1	4.2 J	3.5	5.3	6.4	--	3.5	3.2	5.5	6.4	5.4	5.6	7.2
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.099 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	1.3	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	--	12	12	14 J	13	10	--	9	12	12	12	15	13	15	13
Selenium	mg/kg	--	1 U	1.1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	2.1 U	2.1 U	2 UJ	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U
Vanadium	mg/kg	--	24	24	32 J	30	27	23	--	32	33	30	32	28	30	27
Zinc	mg/kg	--	33	33	47 J	41	35	30	--	40	37	38	43	36	40	39
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6
	SAMPLE	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		9	0	2	0	2	0	2	2	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		10	1	3	0	3	0	3	3	0	3	6	0	3	6	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	0	3	0	3	3	0	3	6	0	3	6	0
SAMPLE TYPE		Field Duplicate							Field Duplicate						Field Duplicate	
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U
Acenaphthene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U
Acenaphthylene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U
Anthracene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5
B(a)P Equivalent	ug/kg	--	5.9 U	6.4	6	6.6	16	--	22	6.1	5.8 U	9.2	31	93	33	52
Benzo (a) anthracene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	10	--	11	5 U	5 U	5.1 U	14	34 J	11 J	26
Benzo (a) pyrene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	9.7	--	15 J	5 U	5 U	5.1	21	67 J	21 J	34
Benzo (b) fluoranthene	ug/kg	--	5.1 U	5.3	5	7	19	--	33 J	5.7	5 U	9.6	51	130 J	44 J	110
Benzo (ghi) perylene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	6.3	7	--	5 U	5 U	5.1 U	10	25	6.6	11
Benzo (k) fluoranthene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5.7	--	11 J	5 U	5 U	5.1 U	16	60 J	19 J	28
Chrysene	ug/kg	--	5.1 U	5.3 U	5 U	5.6	13	--	16	5 U	5 U	5.5	31	58 J	18 J	58
Dibenzo (a,h) anthracene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	7	5.2 J	5 U
Fluoranthene	ug/kg	--	5.1 U	5.3 U	5 U	9.8	25	--	23	6	5 U	7.9	54	89 J	27 J	86

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6
	SAMPLE	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		9	0	2	0	2	0	2	2	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		10	1	3	0	3	0	3	3	0	3	6	0	3	6	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	0	3	0	3	3	0	3	6	0	3	6	0
SAMPLE TYPE		Field Duplicate							Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Fluorene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	6.3	5.7	--	5 U	5 U	5.1 U	10	24	6.2	12
Naphthalene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	5 U	5 U	--	5 U	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U
PAH High molecular weight	ug/kg	--	0	5.3	5	32.2	117	--	131	16.7	0	35.3	253	579	185	444
PAH Low molecular weight	ug/kg	--	0	0	0	0	6.3	--	5.4	0	0	0	21	20	7.3	23
Phenanthrene	ug/kg	--	5.1 U	5.3 U	5 U	5.3 U	6.3	--	5.4	5 U	5 U	5.1 U	21	20	7.3	18
Pyrene	ug/kg	--	5.1 U	5.3 U	5 U	9.8	22	--	22	5	5 U	7.2	46	85 J	27 J	79
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2-Chlorophenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2-Methylphenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U
4-Chloroaniline	ug/kg	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
4-Methylphenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Butylbenzylphthalate	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Dibenzofuran	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Diethyl phthalate	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Dimethyl phthalate	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Hexachlorobenzene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Hexachloroethane	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6
	SAMPLE	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		9	0	2	0	2	0	2	2	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		10	1	3	0	3	0	3	3	0	3	6	0	3	6	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	0	3	0	3	3	0	3	6	0	3	6	0
SAMPLE TYPE		Field Duplicate							Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	10 U	11 U	10 U	11 U	10 U	10 U	--	10 U	10 U	10 U	10 U	14	13	10 U
TPH as gasoline	mg/kg	--	--	--	--	1.5 U	--	1.4 U	--	--	1.4 U	1.6 U	--	1.7 U	1.6 U	--
TPH as motor oil	mg/kg	--	10 U	26	10 U	11 U	10 UJ	18	--	10 U	10 U	14	26	65	57	15
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-3	AOC11-4	AOC11-4	AOC11-4-OS1	AOC11-4-OS1	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS3	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS4	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS5	AOC11-4-OS6
	SAMPLE	AOC11-3-6114	AOC11-4-6115	AOC11-4-6116	AOC11-4-OS1-D1	AOC11-4-OS1-D2	AOC11-4-OS3-D1	AOC11-4-OS3-D2	AOC11-4-OS3-D99	AOC11-4-OS4-D1	AOC11-4-OS4-D2	AOC11-4-OS4-D3	AOC11-4-OS5-D1	AOC11-4-OS5-D2	AOC11-4-OS5-D99	AOC11-4-OS6-D1
	DATE	1/5/2016	1/5/2016	1/5/2016	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014
SAMPLE TOP DEPTH (FT)		9	0	2	0	2	0	2	2	0	2	5	0	2	5	0
SAMPLE BOTTOM DEPTH (FT)		10	1	3	0	3	0	3	3	0	3	6	0	3	6	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	0	3	0	3	3	0	3	6	0	3	6	0
SAMPLE TYPE		Field Duplicate							Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	680 U	690 U	660 U	700 U	660 U	660 U	--	660 U	660 U	680 U	660 U	690 U	690 U	660 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	340 U	350 U	330 U	350 U	330 U	330 U	--	330 U	330 U	340 U	330 U	340 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	76	920	19	3.5 J	0.83 U	19 J	8.5 J	--	--	27 J	5.8 J	--	26 J	12 J	22 J
1,2,3,4,6,7,8-HpCDF	ng/kg	4.1 J	92	2.4 J	0.57 J	0.22 U	2.3 J	1.5 J	--	--	3.7 J	2.3 J	--	2.2 UJ	2.2 J	2.5 J
1,2,3,4,7,8-HxCDD	ng/kg	0.31 U	5.9 J	0.26 J	0.13 U	0.12 U	0.22 UJ	0.2 UJ	--	--	1.1 UJ	0.41 UJ	--	0.22 UJ	0.23 UJ	0.39 J
1,2,3,4,7,8-HxCDF	ng/kg	0.39 U	7.3 J	0.19 U	0.089 U	0.084 U	0.45 UJ	0.31 UJ	--	--	1.2 UJ	0.25 UJ	--	0.45 UJ	0.16 UJ	0.15 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	0.18 U	7.5 J	0.37 U	0.23 U	0.27 J	0.3 UJ	0.23 UJ	--	--	1.4 J	0.4 UJ	--	0.56 UJ	0.1 UJ	0.23 UJ
1,2,3,6,7,8-HxCDD	ng/kg	1.7 J	25	0.73 J	0.13 U	0.1 U	0.66 UJ	0.2 UJ	--	--	1.9 J	0.41 UJ	--	0.71 UJ	0.23 UJ	0.9 UJ
1,2,3,6,7,8-HxCDF	ng/kg	0.19 U	3.2 J	0.22 U	0.087 U	0.093 U	0.43 UJ	0.29 UJ	--	--	1.1 UJ	0.24 UJ	--	0.43 UJ	0.4 J	0.15 UJ
1,2,3,7,8-PeCDD	ng/kg	0.15 U	3.1 J	0.093 U	0.085 U	0.051 U	0.24 UJ	0.25 UJ	--	--	1.1 J	0.35 UJ	--	0.18 UJ	0.19 UJ	0.47 J
1,2,3,7,8-PeCDF	ng/kg	0.16 U	0.95 U	0.13 U	0.081 U	0.059 U	0.14 UJ	0.23 UJ	--	--	1 J	0.45 UJ	--	0.1 UJ	0.23 UJ	0.15 UJ
1,2,3,7,8,9-HxCDD	ng/kg	0.58 U	11 J	0.36 U	0.13 U	0.049 U	0.22 UJ	0.19 UJ	--	--	1.7 UJ	0.4 UJ	--	0.42 UJ	0.28 UJ	0.43 UJ
1,2,3,7,8,9-HxCDF	ng/kg	0.26 U	2.2 U	0.26 U	0.1 U	0.24 U	0.51 UJ	0.35 UJ	--	--	1.4 J	0.29 UJ	--	0.52 UJ	0.18 UJ	0.18 UJ
2,3,4,6,7,8-HxCDF	ng/kg	7.5 U	140 U	3.4 U	1.2 U	0.3 U	2.6 UJ	1.2 UJ	--	--	5.1 UJ	2.7 UJ	--	5.1 UJ	2.6 UJ	2.5 UJ
2,3,4,7,8-PeCDF	ng/kg	0.18 U	3.1 U	0.081 U	0.086 U	0.062 U	0.37 UJ	0.24 UJ	--	--	1.7 UJ	1.3 UJ	--	0.11 UJ	0.24 UJ	0.15 UJ
2,3,7,8-TCDD	ng/kg	0.11 U	1 J	0.16 U	0.037 U	3.7 U	0.074 UJ	0.055 UJ	--	--	0.63 J	0.2 UJ	--	0.046 UJ	0.15 UJ	0.075 UJ
2,3,7,8-TCDF	ng/kg	0.11 U	2.3 U	0.24 U	0.24 U	0.24 U	0.11 UJ	0.067 UJ	--	--	0.23 UJ	0.49 UJ	--	0.072 UJ	0.19 UJ	0.076 UJ
OCDD	ng/kg	980	9700	180	28	3.5 U	180 J	95 J	--	--	230 J	79 J	--	340 J	140 J	190 J
OCDF	ng/kg	11 J	290	5.3 U	0.97 U	0.049 U	4 J	1.6 UJ	--	--	7 J	4.8 J	--	16 J	4.4 J	3.4 UJ
TEQ Avian	ng/kg	0.97	20	0.6	0.33	2.1	0.69	0.47	--	--	3.5	1.4	--	0.64	0.65	0.89
TEQ Human	ng/kg	1.9	30	0.74	0.23	2	0.74	0.46	--	--	3.3	0.84	--	0.91	0.63	1.1
TEQ Mammals	ng/kg	1.9	30	0.74	0.23	2	0.74	0.46	--	--	3.3	0.84	--	0.91	0.63	1.1
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.7	8.6	9.2	9.5	9.7	9.4	9	8.6	9.2	8.2	8.2	8.2	9.3	8.6	9.3
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.5 U	2.1 U	2.1 U	2 U	2.2 U	2 U	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	3	7.1	5.8	5.3	7.1	8.7	8.3	7.9	11	4.6	4.1	9	4	3.1	3.3
Barium	mg/kg	120	170	150	210	140	500	490	300	150	120	170	250	77	62	57
Beryllium	mg/kg	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.25 UJ	0.21 UJ	0.21 UJ	0.2 UJ	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.52	0.2 U	0.2 U	0.2 U	0.2 U
Chromium, total	mg/kg	20	27	18	25	21	20	20	25	14	11	15	15	12	9.6	9.6
Cobalt	mg/kg	6.7	7.4	6.9	9.1	8.1	7.2	7.4	8.9	7.4	6.1	5.7	9	5	4.6	5.1
Copper	mg/kg	7.7	22	8.9	10	9.3	12	9.5	10	9.1	8	11	7.5	9.3	8.1	7.5
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.2	14	1.7	1.7	2	21	24	2.4	6.1	220	30	8.5	26	28	23
Mercury	mg/kg	0.11 U	0.13 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1.1 U	1.2 U	1.1 U	1 U	1 U	1.7	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	15	16	13	16	15	18	14	18	10	8	9	11	7.5	7.1	7.8
Selenium	mg/kg	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1.1 U	1.2 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.5 U	2.1 U	2.1 U	2 U	2.2 U	2 U	2.1 U	2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	29	34	30	37	32	31	32	34	45	25	23	55	29	25	26
Zinc	mg/kg	36	70	46	48	56	67	62	59	79	40	70	79	43	45	61
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	4400	4300	4600
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	15000	16000	14000
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.2 U	0.2 U	0.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	15000	15000	18000
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	2900	2900	3200
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	200	200	190
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1200	1400	1600
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	190	280	180
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	33 U	33 U	33 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	13	34	29	6 U	5.9 U	6.5	5.9 U	6 U	5.9 U	13	58 U	6.2	34	6.3	57
Benzo (a) anthracene	ug/kg	5.3 U	14	24	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	6.2	5.2 U	5.1 U	15	5.1 U	6.1
Benzo (a) pyrene	ug/kg	7.8	23	20	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	8.1	52 U	5.1 U	24	5.1 U	51 U
Benzo (b) fluoranthene	ug/kg	16	57	28	5.2 U	5.1 U	5.4	5.1 U	5.2 U	5.1 U	16	52 U	5.8	54	7.1	51 U
Benzo (ghi) perylene	ug/kg	5.3 U	11	15	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	52 U	5.1 U	7.7	5.1 U	51 U
Benzo (k) fluoranthene	ug/kg	6.4	24	15	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	7	52 U	5.1 U	13	5.1 U	51 U
Chrysene	ug/kg	7.8	41	23	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	12	5.2 U	5.1 U	30	5.1 U	11
Dibenzo (a,h) anthracene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	52 U	5.1 U	5.1 U	5.1 U	51 U
Fluoranthene	ug/kg	9.5	75	38	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	17	5.2 U	6.1	50	6.1	15

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	10	12	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	52 U	5.1 U	8.4	5.1 U	51 U
Naphthalene	ug/kg	5.3 U	6.2 U	5.3 U	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	57.4	318	210	0	0	10.8	0	0	0	83.3	0	17.4	250	19	47.1
PAH Low molecular weight	ug/kg	0	15	6	0	0	0	0	0	0	0	0	0	16	0	0
Phenanthrene	ug/kg	5.3 U	15	6	5.2 U	5.1 U	5.4 U	5.1 U	5.2 U	5.1 U	5.5 U	5.2 U	5.1 U	16	5.1 U	5.1 U
Pyrene	ug/kg	9.9	63	35	5.2 U	5.1 U	5.4	5.1 U	5.2 U	5.1 U	17	5.2 U	5.5	48	5.8	15
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
2-Chloro naphthalene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
2,4-Dichlorophenol	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	6700 U	670 U
4-Bromophenyl phenyl ether	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	710 U	710 U
Benzoic acid	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	3300 U	330 U
Butylbenzylphthalate	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	3300 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
Di-n-butyl phthalate	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	350 U	4100 U	350 U	340 U	340 U	360 U	3300 U	340 U	340 U	360 U	3400 U	340 U	3300 U	3300 U	330 U
Dibenzofuran	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	2100 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	11 U	12 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	11 U	41	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	11 U	72	11 U	15	10 U	26	10 U	10 U	10 U	11 U	250	23	10	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-4-OS6	AOC11-5	AOC11-5	AOC11-5	AOC11-5	AOC11-6	AOC11-6	AOC11-6	AOC11-6	AOC11-7	AOC11-7	AOC11-7	AOC11-8	AOC11-8	AOC11-9
	SAMPLE	AOC11-4-OS6-D2	AOC11-5-6119	AOC11-5-6120	AOC11-5-6121	AOC11-5-6122	AOC11-6-6123	AOC11-6-6124	AOC11-6-6125	AOC11-6-6126	AOC11-7-6127	AOC11-7-6128	AOC11-7-6129	AOC11-8-6131	AOC11-8-6132	AOC11-9-6135
	DATE	6/11/2014	2/3/2016	2/3/2016	2/3/2016	2/3/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	1/6/2016	12/6/2015	12/6/2015	12/6/2015
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	1	3	6	10	1	3	6	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	700 U	820 U	700 U	680 U	670 U	710 U	670 U	690 U	680 U	730 U	690 U	670 U	670 U	670 U	670 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	670 U	670 U	670 U
Isophorone	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	350 U	410 U	350 U	340 U	340 U	360 U	330 U	340 U	340 U	360 U	340 U	340 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	7.4 J	--	--	--	--	--	--	--	--	1300 J	910 J	3600 J	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.83 UJ	--	--	--	--	--	--	--	--	140 J	73 J	470 J	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.11 UJ	--	--	--	--	--	--	--	--	8.1 J	4.7 J	19 J	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.12 UJ	--	--	--	--	--	--	--	--	5.5 J	3.6 J	18 J	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.17 UJ	--	--	--	--	--	--	--	--	13 J	6.3 J	41 J	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.25 UJ	--	--	--	--	--	--	--	--	30 J	20 J	110 J	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.58 J	--	--	--	--	--	--	--	--	9.9 J	2.6 UJ	8.5 J	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.09 UJ	--	--	--	--	--	--	--	--	2.9 UJ	2.5 UJ	6.7 J	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.1 UJ	--	--	--	--	--	--	--	--	1.7 J	0.95 UJ	2.4 UJ	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.21 UJ	--	--	--	--	--	--	--	--	14 J	9.2 J	33 J	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.14 UJ	--	--	--	--	--	--	--	--	1.4 UJ	0.86 UJ	4.4 J	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.7 UJ	--	--	--	--	--	--	--	--	290 UJ	130 UJ	1400 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.1 UJ	--	--	--	--	--	--	--	--	1.8 J	1.6 J	4.4 J	--	--	--
2,3,7,8-TCDD	ng/kg	0.036 UJ	--	--	--	--	--	--	--	--	0.41 UJ	0.15 UJ	0.14 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	0.11 UJ	--	--	--	--	--	--	--	--	1.1 UJ	0.98 J	0.12 UJ	--	--	--
OCDD	ng/kg	59 J	--	--	--	--	--	--	--	--	12000 J	9100 J	32000 J	--	--	--
OCDF	ng/kg	0.83 UJ	--	--	--	--	--	--	--	--	440 J	210 J	1200 J	--	--	--
TEQ Avian	ng/kg	0.31	--	--	--	--	--	--	--	--	26	15	100	--	--	--
TEQ Human	ng/kg	0.32	--	--	--	--	--	--	--	--	42	25	150	--	--	--
TEQ Mammals	ng/kg	0.32	--	--	--	--	--	--	--	--	42	25	150	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.3	8.26	8.76	9.8	--	8.19	8.89	8.97	--	8.25	--	8.99	8.96	--	7.99
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2.1 UJ	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2 U
Arsenic	mg/kg	3.2	6	6.4	4.6	6.9	8.3	5.5	5.5	5.2	6.9	--	6.8	7.4	5.4	7.7
Barium	mg/kg	72	170	190	190	190	210	220	1300	480	190	220	410	--	110	180
Beryllium	mg/kg	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U	1 U	2 U	2.1 U	2.1 U	--	1 U	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.4 U	0.41 U	0.41 U	3	0.42	0.41 U	0.41 U	0.41 U	0.41 U	--	0.63	0.42 U	0.41 U	0.41 U
Chromium, total	mg/kg	11	19	23	22	19	32	19	25	19	22	24	76	--	23	25
Cobalt	mg/kg	5.5	5.8	6.6	7.1	5.8	6.8	6.9	8.9	8.3	6.1	--	7.4	7.1	8.1	6.4
Copper	mg/kg	8.6	12	14	9	10	20	10	14	6.5	16	14	15	--	11	18
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	13	9.9	20	4.7	9.2	15	7.7	3.4	2.2	13	17	25	--	2.9	17
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 U
Molybdenum	mg/kg	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U	1	2 U	--	2.1 U	2.4	1.1	2 U
Nickel	mg/kg	8.6	13	14	14	13	18	14	19	14	15	16	17	--	17	17
Selenium	mg/kg	1 U	1 U	1 U	1.6	1 U	2.1 U	1 U	2 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	2 U	2.1 U	1 U	2 U	2.1 U	2.1 U	2 U	1 U	2 U	2.1 U	2.1 U	--	1 U	2 U
Thallium	mg/kg	2 U	4 U	4.1 U	2 U	4 U	4.1 U	4.2 U	4.1 U	2 U	4.1 U	4.2 U	4.1 U	--	2 U	4.1 U
Vanadium	mg/kg	32	23	30	31	22	32	32	41	35	24	--	36	31	33	28
Zinc	mg/kg	63	46	58	44	44	75	42	56	47	62	63	75	--	48	79
Metals CLP																
Aluminum	mg/kg	5100	11000	--	--	--	20000	--	--	--	15000	--	--	--	--	--
Calcium	mg/kg	20000	33000	--	--	--	45000	--	--	--	42000	--	--	--	--	--
Cyanide	mg/kg	0.21 U	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	21000	14000	--	--	--	20000	--	--	--	16000	--	--	--	--	--
Magnesium	mg/kg	3700	8500	--	--	--	12000	--	--	--	11000	--	--	--	--	--
Manganese	mg/kg	250	330	--	--	--	350	--	--	--	320	--	--	--	--	--
Potassium	mg/kg	1700	2500	--	--	--	5000	--	--	--	3400	--	--	--	--	--
Sodium	mg/kg	300	580	--	--	--	710	--	--	--	530	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	2.1 U	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	1 U	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	--	5.2 U	--	--	--	5.1 U	--	--	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	--	52 U	--	--	--	51 U	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1221	ug/kg	34 U	33 U	--	--	--	34 U	--	--	--	34 U	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1262	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Total PCBs	ug/kg	17 U	17 U	--	--	--	17 U	--	--	--	17 U	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.1	6.1	6 U	5.9 U	5.9 U	12	6 U	5.9 U	5.9 U	12	9.1	5.9 U	--	5.9 U	11
Benzo (a) anthracene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	7.5	5.2 U	5.1 U	5.1 U	7.5	5.3	5.1 U	--	5.1 U	6.3
Benzo (b) fluoranthene	ug/kg	5.1	5.2	5.2 U	5.1 U	5.1 U	10	5.2 U	5.1 U	5.1 U	9	5.7	5.1 U	--	5.1 U	8.4
Benzo (ghi) perylene	ug/kg	5.1 U	5.2	5.2 U	5.1 U	5.1 U	9.3	5.2 U	5.1 U	5.1 U	8.9	5.2 U	5.1 U	--	5.1 U	8
Benzo (k) fluoranthene	ug/kg	5.1 U	5.2	5.2 U	5.1 U	5.1 U	9	5.2 U	5.1 U	5.1 U	9.5	6.2	5.1 U	--	5.1 U	8.9
Chrysene	ug/kg	5.1 U	6.8	5.2 U	5.1 U	5.1 U	12	5.2 U	5.1 U	5.1 U	12	7	5.1 U	--	5.1 U	13
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Fluoranthene	ug/kg	6.1	8	5.2 U	5.1 U	5.1 U	15	5.2 U	5.1 U	5.1 U	15	7.5	5.1 U	--	5.1 U	18

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	7.5	5.2 U	5.1 U	5.1 U	7.3	5.2 U	5.1 U	--	5.1 U	5.6
Naphthalene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
PAH High molecular weight	ug/kg	18	38.1	0	0	0	83.3	0	0	0	82.2	38.8	0	--	0	82.2
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5.1 U	5 U	5.2 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U
Pyrene	ug/kg	6.8	7.7	5.2 U	5.1 U	5.1 U	13	5.2 U	5.1 U	5.1 U	13	7.1	5.1 U	--	5.1 U	14
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2-Chlorophenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2-Methylphenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
2-Nitrophenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2,4-Dimethylphenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
2,6-Dinitrotoluene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
3-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
3,3-Dichlorobenzidene	ug/kg	670 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	660 U	680 U	670 U	--	690 U	690 U	670 U	--	680 U	690 U	680 U	--	--	680 U
4-Chloroaniline	ug/kg	670 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
4-Methylphenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
4-Nitroaniline	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
4-Nitrophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	--	1700 U
Acetophenone	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--
Atrazine	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--
Benzaldehyde	ug/kg	710 U	710 U	--	--	--	730 U	--	--	--	720 U	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	--	--	1700 U
Benzyl alcohol	ug/kg	670 U	660 U	680 U	670 U	--	690 U	690 U	670 U	--	680 U	690 U	680 U	--	--	680 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Butylbenzylphthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Caprolactam	ug/kg	340 U	330 UJ	--	--	--	340 U	--	--	--	340 U	--	--	--	--	--
Carbazole	ug/kg	340 U	330 U	--	--	--	340 U	--	--	--	340 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Di-n-octyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Dibenzofuran	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Diethyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Dimethyl phthalate	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Hexachlorobenzene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Hexachloroethane	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
N-nitrosodiphenylamine	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Pentachlorophenol	ug/kg	1700 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
Phenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	--	10 U	10 U	10 UJ	--	--	10.3
TPH as gasoline	mg/kg	--	--	1.4 U	1.3 U	--	--	1.5 U	1.4 U	--	--	--	1.1 U	1.4 U	--	--
TPH as motor oil	mg/kg	10 U	45.7 J	10.1 J	10 U	--	10 U	10 U	10 U	--	10 U	10 U	35.6 J	--	--	14 J
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1-Dichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1-Dichloropropene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1,1-Trichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1,2-Trichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2-Dibromoethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2-Dichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U
1,2-Dichloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2-Dichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2,3-Trichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U
1,2,4-Trimethylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,3-Dichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U
1,3-Dichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
1,4-Dichlorobenzene	ug/kg	340 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U
1,4-Dioxane	ug/kg	340 U	330 U	--	--	--	340 U	--	--	--	340 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
2-Hexanone	ug/kg	--	--	86 U	--	--	--	82 U	--	--	--	--	--	74 U	--	--
2,2-Dichloropropane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
4-Isopropyltoluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Acetone	ug/kg	--	--	86 U	--	--	--	--	--	--	--	--	61 U	--	--	--
Acrolein	ug/kg	--	--	170 U	120 U	--	--	160 U	130 U	--	--	--	120 U	150 U	--	--
Acrylonitrile	ug/kg	--	--	86 U	58 U	--	--	82 U	64 U	--	--	--	61 U	74 U	--	--
Benzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Bromobenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Bromochloromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Bromodichloromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Bromoform	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Bromomethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Carbon disulfide	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Carbon tetrachloride	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Chloro methane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Chlorobenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Chloroethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Chloroform	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Cyclohexane	ug/kg	--	--	8.6 U	--	--	--	8.2 U	--	--	--	--	--	7.4 U	--	--
Dibromochloromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11-9	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-1	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-2	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-3	AOC11a-4
	SAMPLE	AOC11-9-6136	AOC11a-1-6001	AOC11a-1-6002	AOC11a-1-6003	AOC11a-1-6004	AOC11a-2-6005	AOC11a-2-6006	AOC11a-2-6007	AOC11a-2-6008	AOC11a-3-6009	AOC11a-3-6010	AOC11a-3-6012	AOC11a-3-6011	AOC11a-3-6013	AOC11a-4-6014
	DATE	12/6/2015	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	0	2	5	9	0	2	5	9	0	2	5	2	9	0
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	10	0.5	3	6	10	0.5	3	6	3	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Dichlorodifluoromethane	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Ethyl- benzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Hexachlorobutadiene	ug/kg	670 U	330 U	8.6 U	5.8 U	--	340 U	8.2 U	6.4 U	--	340 U	--	6.1 U	7.4 U	--	340 U
Hexachlorocyclopentadiene	ug/kg	670 U	660 U	--	--	--	690 U	--	--	--	680 U	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
Isopropylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Methyl acetate	ug/kg	--	--	8.6 U	--	--	--	8.2 U	--	--	--	--	--	7.4 U	--	--
Methyl ethyl ketone	ug/kg	--	--	86 U	58 U	--	--	82 U	64 U	--	--	--	61 U	74 U	--	--
Methyl isobutyl ketone	ug/kg	--	--	86 U	58 U	--	--	82 U	64 U	--	--	--	61 U	74 U	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Methylcyclohexane	ug/kg	--	--	8.6 U	--	--	--	8.2 U	--	--	--	--	--	7.4 U	--	--
Methylene chloride	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
N-Butylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
N-Propylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Nitrobenzene	ug/kg	340 U	330 U	340 U	340 U	--	340 U	350 U	340 U	--	340 U	340 U	340 U	--	--	340 U
p-Chlorotoluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
sec-Butylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Styrene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
tert-Butylbenzene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Tetrachloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Toluene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Trichloroethene	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Vinyl chloride	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Xylene, m,p-	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Xylene, o-	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--
Xylenes, total	ug/kg	--	--	8.6 U	5.8 U	--	--	8.2 U	6.4 U	--	--	--	6.1 U	7.4 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3
	SAMPLE	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063
	DATE	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.09	9.34	--	8.37	9.29	9.61	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2.1 U	2.1 U	--	2 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	6.2	5	7.5	7.8	6	4.4	--	7.6	3.6	7.2	6.1	6.6	5.2	5.3	9
Barium	mg/kg	210	140	640	210	370	--	84	1000	88	130	77	230	120	140	240
Beryllium	mg/kg	2 U	2 U	2 U	2.1 U	2.1 U	1 U	--	2.1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 UJ	0.41 U	0.65	0.41 U	0.41 U	--	0.42 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	0.4 U	0.62
Chromium, total	mg/kg	27	25	27	32	30	18	--	24	13	19	16	13	15	19	29
Cobalt	mg/kg	8.5	8.7	9.6	6.8	8.5	8.7	--	8.4	3.2	6.7	6.7	6.2	5.1	6	6.8
Copper	mg/kg	13	11	14	17	12	--	9.6	9.8	9.4	8.9	7.6	7	8.1	15	17
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	8	3.7	3.5	14	9.4	--	3.1	3.1	5.6	6	3	3	7.1	5.9	16
Mercury	mg/kg	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Molybdenum	mg/kg	2 U	2 U	2 U	2.1 U	2.5	--	1.6	2.5	1.1	2 U	1 U	1 U	1 U	1 U	2 U
Nickel	mg/kg	20	19	22	16	18	14	--	19	7.8	14	13	11	11	14	17
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	3.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	2 U	2 U	2 U	2.1 U	2.1 U	1 U	--	2.1 U	1 U	2 U	1 U	1 U	1 U	1 U	2 U
Thallium	mg/kg	4.1 U	4.1 U	4.1 U	4.1 U	4.2 U	--	2 U	4.1 U	2 U	4 U	2 U	2 U	2 U	2 U	4 U
Vanadium	mg/kg	37	38	43	32	38	34	--	37	13	29	29	29	21	26	27
Zinc	mg/kg	52	54	59	71	57	53	--	62	54	48	42	40	42	53	73
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3
	SAMPLE	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063
	DATE	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	5.9	5.9 U	5.9 U	23	11	5.9 U	--	5.9 U	5.8	5.8 U	5.9 U	5.9 U	6.1	5.8 U	60
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	10	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	25
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	16	6.9	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	37
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	19	8.1	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5.3	5 U	59
Benzo (ghi) perylene	ug/kg	26	5.1 U	5.1 U	14	5.8	5.1 U	--	5.1 U	6.9	5 U	5.1 U	5.1 U	5.4	5 U	36
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	16	6.5	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	43
Chrysene	ug/kg	5.1 U	5.1 U	5.1 U	24	7.6	5.1 U	--	5.1 U	6.7	5 U	5.1 U	5.1 U	5 U	5 U	59
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	11
Fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	30	8	5.1 U	--	5.1 U	6.6	5 U	5.1 U	5.1 U	5.9	5 U	89

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3
	SAMPLE	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063
	DATE	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	12	5.4	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	30
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5 U
PAH High molecular weight	ug/kg	26	0	0	168	56.4	0	--	0	25.9	0	0	0	16.6	0	467
PAH Low molecular weight	ug/kg	0	0	0	8.9	0	0	--	0	0	0	0	0	0	0	26
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	8.9	5.2 U	5.1 U	--	5.1 U	5 U	5 U	5.1 U	5.1 U	5 U	5 U	26
Pyrene	ug/kg	5.1 U	5.1 U	5.1 U	27	8.1	5.1 U	--	5.1 U	5.7	5 U	5.1 U	5.1 U	5 U	5 U	78
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	1700 U	670 U	--	680 U	690 U	680 U	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	4200 U	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	4200 U	1700 U	--	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	1700 U	670 U	--	680 U	690 U	680 U	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3
	SAMPLE	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063
	DATE	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	--	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1.1 U	1.6 U	--	--	1.1 U	--	1.1 U	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	47.5 J	11.9 J	--	11.2 J	37.4 J	11.3 J	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	4100 U	1600 U	--	1700 U	1700 U	1600 U	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	120 U	140 U	--	--	120 U	130 U	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	61 U	69 U	--	--	62 U	66 U	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-4	AOC11a-4	AOC11a-4	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-5	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-1	AOC11a-SS-2	AOC11a-SS-2	AOC11a-SS-3
	SAMPLE	AOC11a-4-6015	AOC11a-4-6016	AOC11a-4-6017	AOC11a-5-6018	AOC11a-5-6019	AOC11a-5-6020	AOC11a-5-6021	AOC11a-5-6022	AOC11a-SS-1-6055	AOC11a-SS-1-6056	AOC11a-SS-1-6057	AOC11a-SS-1-6058	AOC11a-SS-2-6059	AOC11a-SS-2-6060	AOC11a-SS-3-6063
	DATE	9/20/2008	9/20/2008	9/20/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/21/2008	9/20/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	5	9	0	2	5	9	0	2	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	6	10	0.5	3	6	10	0.5	3	0.5
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	6.1 U	6.9 U	--	340 U	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	61 U	69 U	--	--	62 U	66 U	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	61 U	69 U	--	--	62 U	66 U	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	840 U	340 U	--	340 U	340 U	340 U	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	6.1 U	6.9 U	--	--	6.2 U	6.6 U	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1
	SAMPLE	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035
	DATE	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	4.9 J	77 J	100 J	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	1.1 J	7.5 J	10 J	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	0.12 UJ	0.87 UJ	0.84 UJ	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	0.099 UJ	0.55 J	0.87 J	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	0.13 UJ	0.88 J	0.83 UJ	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	0.23 UJ	2.2 J	3.2 J	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	0.23 UJ	0.76 UJ	1.3 J	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	0.11 UJ	0.5 UJ	0.65 UJ	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.16 UJ	0.33 UJ	0.41 J	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	0.28 UJ	1.5 UJ	2 J	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	0.11 UJ	0.21 UJ	0.36 UJ	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	1.3 UJ	13 UJ	16 UJ	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	0.57 UJ	0.66 J	1.4 J	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	0.041 UJ	0.061 UJ	0.06 UJ	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	0.039 UJ	0.24 UJ	0.21 UJ	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	54 J	720 J	920 J	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	2 U	18 J	21 J	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	0.52	2.2	3.5	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	0.36	2.7	3.8	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	0.36	2.7	3.8	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	7.64	8.36	8.39	--	--	7.88	8.24	8.13	--	8.74	8.03	7.9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2.1 U	2 UJ	2 U	2 U	2.1 U	--	2 U	2 U	2 U	2 U	2 U	--	2.1 U
Arsenic	mg/kg	8.8	8.5	7.1	6.7	5.2	6.2	6	--	4.8	13	10	9	4.8	--	7.7
Barium	mg/kg	270	51	150	200 J	110	230	250	--	190	270	150	330	120	--	200
Beryllium	mg/kg	2 U	1 U	1 U	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U	5.1 U	5.1 U	2 U	--	2.1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	0.41 U	--	0.4 U	0.41 U	0.41 U	0.55	0.65	0.41 U	0.41 U	0.41 U	0.4 U	--	2
Chromium, total	mg/kg	27	19	24	27	17	21	20	--	21	32	24	24	26	--	64
Cobalt	mg/kg	8.5	6.8	7.7	8.1	3.6	6.5	5.7	--	5.6	9.1	8.3	8.3	4.8	--	7.4
Copper	mg/kg	15	9.5	11	16	7	15	13	--	13	15	14	15	9.7	--	20
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.7	3.7	3	25	8.2	22	13	--	45	7.6	5.9	8.2	30	--	24
Mercury	mg/kg	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	--	0.1 U	0.1 U	0.1 U	0.1 UJ	0.098 U	--	0.1 U
Molybdenum	mg/kg	2 U	1.1	1.4	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U	5.1 U	5.1 U	2.7	2.3	2.1 U
Nickel	mg/kg	19	14	19	20	8.9	15	15	--	13	20	18	18	9.8	--	18
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	2 U	1 U	1 U	5 U	2 U	2 U	2.1 U	--	2 U	5.1 U	5.1 U	5.1 U	2 U	--	2.1 U
Thallium	mg/kg	4.1 U	2 U	2.1 U	10 U	4 U	4.1 U	4.1 U	--	4 U	10 U	10 U	10 U	4 U	--	4.1 U
Vanadium	mg/kg	38	32	30	41	33	37	33	--	30	43	40	40	19	--	35
Zinc	mg/kg	57	46	48	71	28	72	65	--	76	74	75	86	47	--	110
Metals CLP																
Aluminum	mg/kg	--	--	--	11000	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	27000	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1
	SAMPLE	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035
	DATE	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	9	0	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE								Field Duplicate						Field Duplicate	
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	26000	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	8300	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	440	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2400	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	180	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	33 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	12	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	5.9 U	97	150	45	80	--	520	26	5.9 U	5.9 U	50	--	71
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	80	21	56	50	290	14	5.1 U	5.1 U	27	--	31
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	65	110	31	54	--	360	18	5.1 U	5.1 U	35	--	46
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	98	150	44	52	--	530	24	5.1 U	5.1 U	36	--	49
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	52	74	19	34	--	170	13	5.1 U	5.1 U	21	--	46
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	41	67	21	57	--	140	10	5.1 U	5.1 U	32	--	54
Chrysene	ug/kg	5.1 U	5.1 U	5.1 U	88	130	38	67	--	430	21	5.1 U	5.1 U	45	--	60
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1	11	--	56	5.1 U	5.1 U	5.1 U	6.7	--	12
Fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	120	190	56	100	--	860	34	5.1 U	5.1 U	67	--	78

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1
	SAMPLE	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035
	DATE	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	9	0	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE								Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	25 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	49	75	19	33	--	180	13	5.1 U	5.1 U	21	--	44
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	25 U	5.6 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5.1 U	5 U	--	5.2 U
PAH High molecular weight	ug/kg	0	0	0	667	1060	307	558	--	3680	177	0	0	352	--	494
PAH Low molecular weight	ug/kg	0	0	0	30	45	14	25	--	192	9.5	0	0	25	--	24
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	30	45	14	25	--	180	9.5	5.1 U	5.1 U	25	--	24
Pyrene	ug/kg	5.1 U	5.1 U	5.1 U	110	180	53	94	--	660	30	5.1 U	5.1 U	61	--	74
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	1800 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	1800 U	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2-Chlorophenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2-Methylphenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2-Nitroaniline	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
2-Nitrophenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	1800 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
3-Nitroaniline	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	670 U	680 U	--	660 U	680 U	690 U
4-Chloroaniline	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
4-Methylphenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
4-Nitroaniline	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
4-Nitrophenol	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	4100 U	4200 U	4200 U	--	--	4200 U	1700 U	1700 U	--	1700 U	--	1700 U
Acetophenone	ug/kg	--	--	--	1800 U	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	1800 U	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	1800 U	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	4100 U	4200 U	4200 U	--	--	4200 U	1700 U	1700 U	--	1700 U	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U	670 U	680 U	--	660 U	680 U	690 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Butylbenzylphthalate	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Caprolactam	ug/kg	--	--	--	830 U	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	830 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Dibenzofuran	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Diethyl phthalate	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Dimethyl phthalate	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Hexachlorobenzene	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Hexachloroethane	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Pentachlorophenol	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
Phenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1
	SAMPLE	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035
	DATE	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008
	SAMPLE TOP DEPTH (FT)	2	5	9	0	2	5	9	0	0	2	5	9	0	2	5
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE								Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	101 U	10 U	10 U	--	--	101 U	10 U	10 U	--	10 U	78 J	10 U
TPH as gasoline	mg/kg	--	--	--	--	1.2 U	1.3 U	--	--	--	1.4 U	1.3 U	--	--	2.4 UJ	1.5 UJ
TPH as motor oil	mg/kg	--	--	--	101 U	10 U	16	--	--	101 U	10 U	10 U	--	10 U	71.2	76.5
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1-Dichloroethene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1-Dichloropropene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1,1-Trichloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1,2-Trichloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2-Dibromoethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2-Dichlorobenzene	ug/kg	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ
1,2-Dichloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2-Dichloropropane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2,3-Trichloropropane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,2,4-Trichlorobenzene	ug/kg	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,3-Dichlorobenzene	ug/kg	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ
1,3-Dichloropropane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
1,4-Dichlorobenzene	ug/kg	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ
1,4-Dioxane	ug/kg	--	--	--	830 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
2-Hexanone	ug/kg	--	--	--	--	56 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
2,4,5-Trichlorophenol	ug/kg	--	--	--	4000 U	4000 U	4100 U	--	--	4000 U	1600 U	1600 U	--	1600 U	--	1700 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Acetone	ug/kg	--	--	--	--	56 U	71 U	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	110 U	140 U	--	--	--	120 U	110 U	--	--	230 UJ	140 UJ
Acrylonitrile	ug/kg	--	--	--	--	56 U	71 U	--	--	--	62 U	56 U	--	--	120 UJ	69 UJ
Benzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
bis (2-chloroethyl) ether	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Bromobenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Bromochloromethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Bromodichloromethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Bromoform	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Bromomethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Carbon disulfide	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Carbon tetrachloride	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Chloro methane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Chlorobenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Chloroethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Chloroform	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Cyclohexane	ug/kg	--	--	--	--	5.6 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11a-SS-3	AOC11a-SS-3	AOC11a-SS-3	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-1	AOC11b-2	AOC11b-2	AOC11b-2	AOC11b-2	AOC11c-1	AOC11c-1	AOC11c-1
	SAMPLE	AOC11a-SS-3-6064	AOC11a-SS-3-6065	AOC11a-SS-3-6066	AOC11b-1-6023	AOC11b-1-6025	AOC11b-1-6026	AOC11b-1-6027	AOC11b-1-6024	AOC11b-2-6028	AOC11b-2-6029	AOC11b-2-6030	AOC11b-2-6031	AOC11c-1-6032	AOC11c-1-6034	AOC11c-1-6035
	DATE	9/20/2008	9/20/2008	9/20/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/17/2008	9/21/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		2	5	9	0	2	5	9	0	0	2	5	9	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	0.5	0.5	3	6	10	0.5	3	6
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Dichlorodifluoromethane	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Ethyl- benzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Hexachlorobutadiene	ug/kg	--	--	--	830 U	5.6 U	7.1 U	--	--	830 U	6.2 U	5.6 U	--	330 U	12 UJ	6.9 UJ
Hexachlorocyclopentadiene	ug/kg	--	--	--	1700 U	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
Isopropylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Methyl acetate	ug/kg	--	--	--	--	5.6 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	56 U	71 U	--	--	--	62 U	56 U	--	--	120 UJ	69 UJ
Methyl isobutyl ketone	ug/kg	--	--	--	--	56 U	71 U	--	--	--	62 U	56 U	--	--	120 UJ	69 UJ
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Methylcyclohexane	ug/kg	--	--	--	--	5.6 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
N-Butylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
N-Propylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Nitrobenzene	ug/kg	--	--	--	830 U	830 U	850 U	--	--	830 U	340 U	340 U	--	330 U	--	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
sec-Butylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Styrene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
tert-Butylbenzene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Tetrachloroethene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Toluene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Trichloroethene	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Vinyl chloride	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Xylene, m,p-	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Xylene, o-	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ
Xylenes, total	ug/kg	--	--	--	--	5.6 U	7.1 U	--	--	--	6.2 U	5.6 U	--	--	12 UJ	6.9 UJ

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4
	SAMPLE	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152
	DATE	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016
SAMPLE TOP DEPTH (FT)		2	9	0	2	5	9	14	19	29	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		3	10	0.5	3	6	10	15	20	30	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	10	0.5	3	6	10	15	20	30	0.5	3	6	10	15	20
SAMPLE TYPE																
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	520 J	22 J	26 J	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	56 J	2.4 J	3.8 UJ	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	4.1 J	0.15 UJ	0.26 UJ	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	2.5 UJ	0.19 UJ	0.22 UJ	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	4.6 J	0.28 UJ	0.13 UJ	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	15 J	0.15 UJ	0.19 UJ	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.7 UJ	0.18 UJ	0.34 UJ	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	2 J	0.16 UJ	0.14 UJ	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.3 J	0.28 UJ	0.14 UJ	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	6.4 J	0.14 UJ	0.4 UJ	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.38 UJ	0.22 UJ	0.26 UJ	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	110 UJ	5.7 UJ	20 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	1 UJ	0.24 UJ	0.15 UJ	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.19 UJ	0.12 UJ	0.031 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.81 J	0.19 UJ	0.14 UJ	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	4800 J	510 J	230 J	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	180 J	3.7 J	3.1 J	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	12	0.79	1.4	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	18	0.93	1.6	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	18	0.93	1.6	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	8.56	7.92	7.99	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	7.9	5.3	5.1	7.6	6.6	6.3	4.3	4.3	2.9	3.6	3.6	3.5	3.3	2.4	3.4
Barium	mg/kg	220	140	170	220	190	160	38	53	53	89 J	58	39	70 J	240	270
Beryllium	mg/kg	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2	3.3	0.74	2.7	1.3	2.1	0.67 J	0.21 UJ	0.2 UJ	0.38	0.2 U	0.2 U	0.2 U	0.25	0.2 U
Chromium, total	mg/kg	64	130	26	81	56	70	18	17	27	16	12	13	18	21	17
Cobalt	mg/kg	6.5	5.8	5.7	6.8	6	6.2	7.7	8.1	10	5.4	6.2	7.4	8.4	7.8	6.8
Copper	mg/kg	20	17	12	21	16	16	8.4	9.7	14	7.4	9.2	8.9	8.4	7.8	8.1
CR6 SPLP	mg/l	--	0.016 J	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	26	11	11	28	18	10	2.2	1.6	1 U	3.1	1.8	2.5	1.7	1 U	1.1
Mercury	mg/kg	0.11 U	0.1 UJ	0.1 U	0.11 U	0.11 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	2 U	2 U	2.7	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	16	13	12	16	14	14	15	12	19	11	10	12	13	12	10
Selenium	mg/kg	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	2.1 U	2 U	2 U	2.1 U	2.1 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	4.1 U	4.1 U	4 U	4.3 U	4.2 U	4 U	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	32	24	23	32	27	27	33	36	42	21	29	35	36	32	30
Zinc	mg/kg	110	62	52	130	93	70	42	42	39	31	34	62	67	38	37
Metals CLP																
Aluminum	mg/kg	--	--	9000	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	33000	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4
	SAMPLE	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152
	DATE	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016
SAMPLE TOP DEPTH (FT)		2	9	0	2	5	9	14	19	29	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		3	10	0.5	3	6	10	15	20	30	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	10	0.5	3	6	10	15	20	30	0.5	3	6	10	15	20
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	13000	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	8400	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	300	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	2500	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	430	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
4,4-DDE	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
4,4-DDT	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Aldrin	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Endrin	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	2.1 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	5.3 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	--	--	50 U	--	--	--	53 U	52 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	33 U	35 UJ	--	--	35 U	34 U	34 U	34 U	34 U	34 U	--	34 U	34 U
Aroclor 1232	ug/kg	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	29	190 J	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	17 U	18 UJ	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	17 U	18 UJ	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	18 UJ	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	37.5	199	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	7.3	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	110	5.9 U	28	170	140	35	21	6 U	5.9 U	6.4	5.9 U	5.9 U	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	52	5.1 U	14	75	77	17	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	68	5.1 U	20	110	89	23	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	66	5.1 U	21	99	82	23	5.3 U	5.2 U	5.1 U	6.9	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	60	5.1 U	13	98	73	20	15	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	73	5.1 U	18	140	120 J	30	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	90	5.1 U	26	140	120	31	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	19	5.1 U	5 U	28	24	5.7	16	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	400	5.1 U	37	180	170	40	5.3 U	5.2 U	5.1 U	5.5	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4
	SAMPLE	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152
	DATE	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016
SAMPLE TOP DEPTH (FT)		2	9	0	2	5	9	14	19	29	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		3	10	0.5	3	6	10	15	20	30	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	10	0.5	3	6	10	15	20	30	0.5	3	6	10	15	20
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	58	5.1 U	13	95	69	18	18	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.1 U	5 U	5.4 U	5.2 U	5.1 U	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	1260	0	196	1140	984	245	49	0	0	17.9	0	0	0	0	0
PAH Low molecular weight	ug/kg	48	0	15	61	78.3	12	0	0	0	0	0	0	0	0	0
Phenanthrene	ug/kg	48	5.1 U	15	61	71	12	5.3 U	5.2 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	370	5.1 U	34	170	160	37	5.3 U	5.2 U	5.1 U	5.5	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	660 U	710 U	690 U	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	1700 U	1800 U	1700 U	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	1700 U	1800 U	1700 U	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	660 U	710 U	690 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4
	SAMPLE	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152
	DATE	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016
SAMPLE TOP DEPTH (FT)		2	9	0	2	5	9	14	19	29	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		3	10	0.5	3	6	10	15	20	30	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	10	0.5	3	6	10	15	20	30	0.5	3	6	10	15	20
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	10 U	10	10 U	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	2.3 UJ	1.5 UJ	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	10 U	79.2	43.1	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	160 UJ	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	--	1600 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	320 UJ	140 UJ	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	160 UJ	69 UJ	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	16 UJ	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-1	AOC11c-1	AOC11c-2	AOC11c-2	AOC11c-2	AOC11c-2	AOC11C-3	AOC11C-3	AOC11C-3	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4	AOC11c-4
	SAMPLE	AOC11c-1-6033	AOC11c-1-6036	AOC11c-2-6037	AOC11c-2-6038	AOC11c-2-6039	AOC11c-2-6040	AOC11c-3-6139	AOC11c-3-6140	AOC11c-3-6141	AOC11c-4-6146	AOC11c-4-6147	AOC11c-4-6148	AOC11c-4-6149	AOC11c-4-6151	AOC11c-4-6152
	DATE	9/22/2008	9/22/2008	9/21/2008	9/22/2008	9/22/2008	9/22/2008	2/3/2016	2/3/2016	2/3/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	2/2/2016	2/2/2016
SAMPLE TOP DEPTH (FT)		2	9	0	2	5	9	14	19	29	0	2	5	9	14	19
SAMPLE BOTTOM DEPTH (FT)		3	10	0.5	3	6	10	15	20	30	1	3	6	10	15	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	10	0.5	3	6	10	15	20	30	0.5	3	6	10	15	20
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	330 U	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	16 UJ	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	160 UJ	69 UJ	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	160 UJ	69 UJ	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	16 UJ	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	--	330 U	350 U	340 U	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	16 UJ	6.9 UJ	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1
	SAMPLE	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046
	DATE	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2.5	5	0	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
SAMPLE TYPE		Field Duplicate												Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	180 J	20 J	8.8 J	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	15 J	2.9 J	1.2 J	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	3.1 J	0.25 UJ	0.11 UJ	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1 UJ	0.11 UJ	0.059 UJ	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.2 J	0.22 UJ	0.25 UJ	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	6.6 J	0.64 J	0.33 UJ	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	1.4 J	0.11 UJ	0.13 UJ	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	1.8 J	0.1 UJ	0.13 UJ	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.44 J	0.059 UJ	0.056 UJ	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	4.8 J	0.53 UJ	0.4 J	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.27 UJ	0.13 UJ	0.069 UJ	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	19 UJ	2.5 UJ	1.3 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.73 J	0.062 UJ	0.099 UJ	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	0.078 UJ	0.047 UJ	0.032 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	0.42 UJ	0.11 UJ	0.036 UJ	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	1800 J	210 J	81 J	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	38 J	4.7 J	2.2 J	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	5.2	0.42	0.3	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	7.2	0.63	0.36	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	7.2	0.63	0.36	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	8.06	8.7	8.91	--	--	7.94
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2.1 U	2.1 U	2 U	2.1 U	2 U
Arsenic	mg/kg	--	3.6	4.3	6.9	5.8	3.5	3.6	3.6	3.4	9.5	4.5	5.9	--	8.6	5.8
Barium	mg/kg	--	75	91	160	110	71	77	100	98	310 J	86	94	--	180	180
Beryllium	mg/kg	--	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1 U	2.1 U	2 U	2.1 U	2 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.4 U	0.4 U	1.1	0.41 U	0.4 U	0.4 U	7.8	2.1	0.68	0.41 U	0.42 U	--	0.66	0.96
Chromium, total	mg/kg	--	12	16	37	19	14	16	32	73	--	24	29	33	28	43
Cobalt	mg/kg	--	3.3	4.4	6.1	5.9	3.4	3.9	4.2	3.4	--	9	8.4	8.6	7.1	5.4
Copper	mg/kg	--	5.2	11	13	6.2	4.9	4.9	11	30	--	12	12	20	11	10
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	6.8	5.5	11	5	8	6.5	8.9	8.6	16	4.8	5	--	9.3	10
Mercury	mg/kg	--	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	--	0.1 UJ	0.098 U
Molybdenum	mg/kg	--	1 U	1 U	2.9	2 U	1 U	1 U	1 U	1 U	--	1.2	2.1 U	2 U	2.1 U	2 U
Nickel	mg/kg	--	6.8	8.6	14	12	6.6	7.5	9.2	7.7	--	17	21	19	16	11
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	--	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	--	1 U	2.1 U	2 U	2.1 U	2 U
Thallium	mg/kg	--	2 U	2 U	4.1 U	4.1 U	2 U	2 U	2 U	2.1 U	--	2.1 U	4.1 U	4 U	4.1 U	4 U
Vanadium	mg/kg	--	14	17	25	21	14	16	18	15	--	32	39	44	31	22
Zinc	mg/kg	--	23	30	57	31	25	30	54	290	--	48	52	76	49	54
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	19000 J	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	43000 J	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1
	SAMPLE	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046
	DATE	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2.5	5	0	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
SAMPLE TYPE		Field Duplicate												Field Duplicate		
ANALYTE	UNITS															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	23000	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	12000	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	400	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	5300	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	450	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	6.1	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	12 J	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	6.7	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	13 J	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	5.1 U	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	51 U	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1221	ug/kg	33 U	--	--	--	--	--	--	--	--	--	34 UJ	--	33 U	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	76	17 UJ	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	17 U	17 UJ	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	84.5	17 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U
2-Methyl naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U
Acenaphthene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U
Acenaphthylene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U
Anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U
B(a)P Equivalent	ug/kg	--	5.8	5.8	5.9	5.9 U	11	61	29	5.9	68	5.9 U	6 U	--	6 U	110
Benzo (a) anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	34	9	5.1 U	--	5.1 U	5.2 U	31	5.2 U	47
Benzo (a) pyrene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	6.9	41	18	5.1 U	44	5.1 U	5.2 U	--	5.2 U	67
Benzo (b) fluoranthene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	7.3	40	16	5.1 U	46	5.1 U	5.2 U	--	5.2 U	68
Benzo (ghi) perylene	ug/kg	--	5	5 U	5.1 U	5.1 U	6.3	31	17	5.1 U	43	5.1 U	5.2 U	--	5.2 U	61
Benzo (k) fluoranthene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	8.3	48	21	5.1 U	61 J	5.1 U	5.2 U	--	5.2 U	85 J
Chrysene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	8.6	51	16	5.1 U	--	5.1 U	5.2 U	65	5.2 U	91
Dibenzo (a,h) anthracene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	9.1	7	5.1 U	12	5.1 U	5.2 U	--	5.2 U	21
Fluoranthene	ug/kg	--	5.1	6	5.7	5.1 U	12	69	18	5.9	--	5.1 U	5.2 U	120	5.2 U	130

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1
	SAMPLE	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046
	DATE	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	9	0	2	5	9	0	2	5	9	0	2.5	5	0	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
	SAMPLE TYPE	Field Duplicate												Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.1 U	5.2 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5.3	29	17	5.1 U	38	5.1 U	5.2 U	--	5.2 U	56
Naphthalene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1 U	--	4.4 U	3.5 U	5.1 U	5.1 U	5 U
PAH High molecular weight	ug/kg	--	15.4	12	11	0	65.7	418	155	5.9	--	0	0	534	0	756
PAH Low molecular weight	ug/kg	--	0	0	0	0	0	25	8.2	0	--	0	0	36	0	56
Phenanthrene	ug/kg	--	5 U	5 U	5.1 U	5.1 U	5 U	25	8.2	5.1 U	--	5.1 U	5.2 U	36	5.2 U	56
Pyrene	ug/kg	--	5.3	6	5.3	5.1 U	11	66	16	5.1 U	--	5.1 U	5.2 U	100	5.2 U	130
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	680 U	680 U	670 U	680 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	680 U	680 U	670 U	680 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1
	SAMPLE	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046
	DATE	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2.5	5	0	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
SAMPLE TYPE		Field Duplicate												Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--	10 UJ	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	1 U	0.96 U	--	0.92 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	10 U	10 U	15.4	10 UJ	11.7
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	1600 U	1700 U	1600 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	87 U	70 U	--	100 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	35 U	--	51 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 UJ	3.5 UJ	--	5.1 UJ	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11c-4	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-1	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11c-SS-2	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11d-1	AOC11e-1
	SAMPLE	AOC11c-4-6150	AOC11c-SS-1-6067	AOC11c-SS-1-6068	AOC11c-SS-1-6069	AOC11c-SS-1-6070	AOC11c-SS-2-6071	AOC11c-SS-2-6072	AOC11c-SS-2-6073	AOC11c-SS-2-6074	AOC11d-1-6041	AOC11d-1-6043	AOC11d-1-6044	AOC11d-1-6042	AOC11d-1-6045	AOC11e-1-6046
	DATE	1/28/2016	9/21/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	9	0	2	5	9	0	2.5	5	0	9	0
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	10	0.5	3	6	10	0.5	3	6	0.5	10	0.5
SAMPLE TYPE		Field Duplicate												Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	330 U	5.1 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	670 U	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	35 U	--	51 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	44 U	35 U	--	51 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	340 U	330 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	4.4 U	3.5 U	--	5.1 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4
	SAMPLE	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159
	DATE	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	3	1	3	6	10	14	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	3	0.5	3	6	10	14	0.5	0.5
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	240 J	110 J	54 J	76 J	--	--	470 J
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	21 J	14 J	5.7 J	7.2 J	--	--	39 J
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	2.4 UJ	1.4 UJ	0.25 UJ	0.86 UJ	--	--	4 J
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	1.4 UJ	1.1 UJ	0.33 UJ	0.39 UJ	--	--	1.4 UJ
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	2 J	0.9 UJ	0.33 UJ	0.88 UJ	--	--	3 UJ
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	7.8 J	2.9 UJ	0.25 UJ	2.3 UJ	--	--	14 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	1.9 UJ	0.73 UJ	0.32 UJ	0.66 UJ	--	--	1.8 UJ
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	1.6 UJ	1.3 UJ	0.29 UJ	0.79 UJ	--	--	2.5 UJ
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	0.87 UJ	0.4 UJ	0.25 UJ	0.22 UJ	--	--	0.46 UJ
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	5 J	0.71 UJ	1.1 UJ	1.8 J	--	--	6.3 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	0.79 UJ	0.42 UJ	0.38 UJ	0.45 UJ	--	--	0.34 UJ
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	31 UJ	14 UJ	9.2 UJ	11 UJ	--	--	80 UJ
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	1.5 J	0.3 UJ	0.6 UJ	0.4 UJ	--	--	0.48 UJ
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	0.43 UJ	0.14 UJ	0.074 UJ	0.1 UJ	--	--	0.15 UJ
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	0.31 UJ	0.14 UJ	0.17 UJ	0.15 UJ	--	--	0.32 UJ
OCDD	ng/kg	--	--	--	--	--	--	--	--	1800 J	830 J	430 J	570 J	--	--	3200 J
OCDF	ng/kg	--	--	--	--	--	--	--	--	39 J	17 J	9.8 J	13 J	--	--	100 J
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	5.8	2.2	1.3	1.8	--	--	8.1
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	7.8	3.3	1.6	2.5	--	--	14
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	7.8	3.3	1.6	2.5	--	--	14
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.3	7.87	--	8.05	7.72	7.8	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	--	2 U	2 U	2.2 U	2.1 U	2 U	--	2 U
Arsenic	mg/kg	3.4	4	4.6	4.8	--	3.3	5.2	3.3	3.8	3.6	4.9	4.5	4	--	4.8
Barium	mg/kg	110	100	110	140	88	100	100	--	80 J	110	180	170	120	--	58
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/l	--	--	--	--	0.011	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	3.2	0.96	3.2	1.4	3.8	2.3	0.44 U	--	2.3 J	0.2 U	0.22 U	0.21 U	0.2 U	--	1.2
Chromium, total	mg/kg	92	48	84	37	130	98	36	--	--	11	19	12	11	17	16
Cobalt	mg/kg	5.8	5.8	4.6	5.1	--	4.7	8.6	3.5	--	4.1	5.4	4.7	3.9	3.7	4.1
Copper	mg/kg	41	17	31	12	19	30	19	--	--	6.7	7.5	6.9	5.9	6.5	7.4
CR6 SPLP	mg/l	--	--	--	--	0.0044 J	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	9	6.4	13	28	11	9.6	4.6	--	5.9	3.6	4.5	4.4	3.3	--	4.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 UJ	0.1 U	0.099 U	0.1 U	0.11 UJ	--	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1.1	--	1.3	2.1 U	2.9	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Nickel	mg/kg	12	12	9.8	11	--	9.3	19	7.3	--	7.3	12	8.9	7.3	6.5	9.1
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	4.2 U	--	2 U	2 U	2.2 U	2.1 U	2 U	--	2 U
Vanadium	mg/kg	26	28	20	24	--	20	38	15	17	19	26	22	18	--	20
Zinc	mg/kg	170	59	140	160	130	150	53	--	--	21	29	25	35	27	33
Metals CLP																
Aluminum	mg/kg	--	--	--	7900	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	23000	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4
	SAMPLE	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159
	DATE	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	3	1	3	6	10	14	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	3	0.5	3	6	10	14	0.5	0.5
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	12000	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	6400	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	220	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	2300	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	580 U	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
4,4-DDE	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
4,4-DDT	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
Aldrin	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
alpha-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
alpha-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
beta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
delta-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Dieldrin	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
Endo sulfan I	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Endo sulfan II	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
Endosulfan sulfate	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
Endrin	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
Endrin aldehyde	ug/kg	--	--	--	2 U	--	--	--	--	2 U	2 U	2.2 U	2.1 U	2.1 U	--	2 U
Endrin ketone	ug/kg	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
gamma-Chlordane	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Heptachlor	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Heptachlor Epoxide	ug/kg	--	--	--	1 U	--	--	--	--	1 U	1 U	1.1 U	1 U	1 U	--	1 U
Methoxy chlor	ug/kg	--	--	--	5 U	--	--	--	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
Toxaphene	ug/kg	--	--	--	50 U	--	--	--	--	51 U	51 U	56 U	52 U	51 U	--	51 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U
Aroclor 1221	ug/kg	--	--	--	33 U	34 U	34 U	35 U	--	34 U	34 U	37 U	34 U	34 U	--	34 U
Aroclor 1232	ug/kg	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U
Aroclor 1242	ug/kg	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U
Aroclor 1248	ug/kg	--	--	--	17 U	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U
Aroclor 1254	ug/kg	--	--	--	190	--	18	17 U	26	--	38	18 U	17 U	17 U	30	17 U
Aroclor 1260	ug/kg	--	--	--	240	17 U	17 U	17 U	--	17 U	17 U	18 U	17 U	17 U	--	17 U
Aroclor 1262	ug/kg	--	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	17 U	17 U	17 U	17 U	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	430	--	26.5	17 U	34.5	--	46.5	18 U	17 U	17 U	38.5	17 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
Anthracene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
B(a)P Equivalent	ug/kg	24	10	60	480	--	6.2	6.1 U	6.4	62	100	65	60	57 U	--	15
Benzo (a) anthracene	ug/kg	16	5.5	45	440	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	5.1 U	--	7.5
Benzo (a) pyrene	ug/kg	17	6	35	380	5 U	5.1 U	5.3 U	--	51 U	61	56 U	52 U	51 U	--	9.5
Benzo (b) fluoranthene	ug/kg	18	6.9	49	400	5 U	5.6	5.3 U	--	58	100	56 U	52 U	51 U	--	16
Benzo (ghi) perylene	ug/kg	14	5.4	32	22	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U	--	8.5
Benzo (k) fluoranthene	ug/kg	22 J	8.1 J	48	380	5 U	5.1 U	5.3 U	--	51 U	51	56 U	52 U	51 U	--	6.8
Chrysene	ug/kg	27	9.1	60	530	5 U	5.6	5.3 U	--	51 U	61	56 U	52 U	5.1 U	--	11
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	12	6.4	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U	--	5.1 U
Fluoranthene	ug/kg	50	17	87	1500	--	10	5.3 U	10	--	79 J	13 J	16 J	5.1 U	42 J	15

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4
	SAMPLE	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159
	DATE	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	3	1	3	6	10	14	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	3	0.5	3	6	10	14	0.5	0.5
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5.3 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	13	5.1 U	30	20	5 U	5.1 U	5.3 U	--	51 U	51 U	56 U	52 U	51 U	--	7.5
Naphthalene	ug/kg	5 U	4.6 U	5 U	5	5 U	4.5 U	4 U	--	5.1 U	5.1 U	5.6 U	5.2 U	5.1 U	--	5.1 U
PAH High molecular weight	ug/kg	220	73	476	4880	--	29.4	0	21	124	427	26	31	0	--	95.8
PAH Low molecular weight	ug/kg	26	8.6	43	595	--	0	0	6	15	19	0	0	0	--	0
Phenanthrene	ug/kg	26	8.6	43	590	--	5.1 U	5.3 U	6	15 J	19 J	5.6 U	5.2 U	5.1 U	--	5.1 U
Pyrene	ug/kg	43	15	78	1200	--	8.2	5.3 U	11	--	75 J	13 J	15 J	5.1 U	35 J	14
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	680 U	660 U	660 U	670 U	690 U	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	680 U	680 U	660 U	660 U	670 U	690 U	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4
	SAMPLE	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159
	DATE	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	3	1	3	6	10	14	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	3	0.5	3	6	10	14	0.5	0.5
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 UJ	13.8	--	15.6	10 UJ	10.1	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	0.99 U	1.1 U	0.93 U	--	0.9 UJ	1 UJ	0.79 U	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	42.2 J	23.6	17.7 J	166	--	105	10 UJ	544	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	51 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1700 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	51 U	45 U	40 U	--	--	--	--	--	--	--	--
Acrolein	ug/kg	110 U	92 U	100 U	--	--	91 U	79 U	99 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	54 U	46 U	50 U	--	--	45 U	40 U	50 U	--	--	--	--	--	--	--
Benzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Bromoform	ug/kg	5.4 UJ	4.6 UJ	5 UJ	--	--	4.5 UJ	4 UJ	5 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Chloroform	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-1	AOC11e-1	AOC11e-1	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-2	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-3	AOC11e-4
	SAMPLE	AOC11e-1-6047	AOC11e-1-6048	AOC11e-1-6049	AOC11e-2-6050	AOC11e-2-6051	AOC11e-2-6053	AOC11e-2-6054	AOC11e-2-6052	AOC11e-3-6153	AOC11e-3-6155	AOC11e-3-6156	AOC11e-3-6157	AOC11e-3-6158	AOC11e-3-6154	AOC11e-4-6159
	DATE	9/23/2008	9/23/2008	9/23/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	9/24/2008	1/8/2016	1/10/2016	1/10/2016	1/10/2016	1/10/2016	1/8/2016	1/28/2016
SAMPLE TOP DEPTH (FT)		2.5	5.5	9.5	0	2	5	9	2	0	2	5	9	13	0	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	0.5	3	6	10	3	1	3	6	10	14	1	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	0.5	3	6	10	3	0.5	3	6	10	14	0.5	0.5
SAMPLE TYPE									Field Duplicate						Field Duplicate	
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.4 U	4.6 U	5 U	330 U	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	54 U	46 U	50 U	--	--	45 U	40 U	50 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	54 U	46 U	50 U	--	--	45 U	40 U	50 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	4.2 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	340 U	330 U	330 U	330 U	350 U	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Styrene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Toluene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	5.4 U	4.6 U	5 U	--	--	4.5 U	4 U	5 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078
	DATE	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5	9.5
SAMPLE BOTTOM DEPTH (FT)		3	6	15	15	20	30	40	50	60	70	1	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6	10
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	19000 J	6900 J	--	--	--	--	--	--	--	--	49 J	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	5000 J	920 J	--	--	--	--	--	--	--	--	3.5 UJ	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	110 J	27 J	--	--	--	--	--	--	--	--	0.3 UJ	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	130 J	29 J	--	--	--	--	--	--	--	--	1.6 UJ	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	390 J	76 J	--	--	--	--	--	--	--	--	0.7 UJ	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	680 J	160 J	--	--	--	--	--	--	--	--	1.6 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	73 J	14 UJ	--	--	--	--	--	--	--	--	1.4 UJ	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	53 J	17 J	--	--	--	--	--	--	--	--	0.63 UJ	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	14 J	4 J	--	--	--	--	--	--	--	--	4.6 J	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	180 J	54 J	--	--	--	--	--	--	--	--	0.97 UJ	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	22 J	9.2 J	--	--	--	--	--	--	--	--	0.54 UJ	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	8900 UJ	2000 UJ	--	--	--	--	--	--	--	--	24 UJ	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	25 J	4.9 J	--	--	--	--	--	--	--	--	2.6 J	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.45 UJ	0.25 UJ	--	--	--	--	--	--	--	--	0.093 UJ	--	--	--	--
2,3,7,8-TCDF	ng/kg	3 J	1.1 UJ	--	--	--	--	--	--	--	--	10 J	--	--	--	--
OCDD	ng/kg	220000 J	82000 J	--	--	--	--	--	--	--	--	230 J	--	--	--	--
OCDF	ng/kg	30000 J	3200 J	--	--	--	--	--	--	--	--	5.5 UJ	--	--	--	--
TEQ Avian	ng/kg	680	160	--	--	--	--	--	--	--	--	15	--	--	--	--
TEQ Human	ng/kg	940	250	--	--	--	--	--	--	--	--	4.5	--	--	--	--
TEQ Mammals	ng/kg	940	250	--	--	--	--	--	--	--	--	4.5	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	7.7	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2 UJ	2 U	2 U	2 U
Arsenic	mg/kg	2.7	2.7	1.8	2.7	2.2	2.3	3.8	2	3.1	4.7	4.6	4.6	4.6	4.6	4.7
Barium	mg/kg	51	45	36	93 J	60	30	37	55	54	28	130	96 J	87	110	100
Beryllium	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.1	0.74	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	16	0.7	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	32	27	17	34 J	40	18	30	17	25	24	320	20	21	9.2	10
Cobalt	mg/kg	4.2	3.4	8	11	11	8	9.1	8.9	10	8.5	4.9	3.9	4.5	3.8	3.2
Copper	mg/kg	9	22	22	21 J	16	11	8.3	11	12	12	12	8.7	7.7	5.1	10
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7	3.5	1.7	2	2.4	1.7	2	1.4	2	2.8	8.4	8.6	4.8	5.2	5.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Molybdenum	mg/kg	1 U	1.1 U	1 U	1.1 U	1.5	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.6	1 U	1 U	1 U	1 U
Nickel	mg/kg	7.2	6.8	15	25 J	19	14	21	12	20	22	9.6	8.7	8.3	6	6.3
Selenium	mg/kg	1 U	1.1 U	1 U	1.1 UJ	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	16	15	34	41 J	35	30	36	31	41	41	18	18	20	16	15
Zinc	mg/kg	42	76	35	48 J	38	34	38	36	45	47	37	35 J	27	20	19
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	45000	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078
	DATE	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5	9.5
SAMPLE BOTTOM DEPTH (FT)		3	6	15	15	20	30	40	50	60	70	1	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	14000	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	10000	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	260	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	2400	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	4300	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
4,4-DDE	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
4,4-DDT	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
Aldrin	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
beta-BHC	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
delta-BHC	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
Dieldrin	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
Endo sulfan II	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
Endrin	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	2.1 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
Heptachlor	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	--	--	--	--	--
Methoxy chlor	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	--	--	--	--	--
Toxaphene	ug/kg	52 U	53 U	51 U	54 U	52 U	53 U	54 U	51 U	53 U	55 U	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	35 U	34 U	35 U	34 U	35 U	35 U	34 U	35 U	37 U	--	33 U	33 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	30	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U
Total PCBs	ug/kg	17 U	17 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	18 U	--	38.5	17 U	17 U	17 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6.5	6.1 U	5.9 U	6.2 U	6 U	6.1 U	6.2 U	5.9 U	6.1 U	6.4 U	5.9 R	39	5.9 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	16	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	25	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	7.3	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	34	5.1 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	25	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	27	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	36	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	6.6	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	8.4	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	53	5.1 U	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078
	DATE	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008
	SAMPLE TOP DEPTH (FT)	2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5	9.5
	SAMPLE BOTTOM DEPTH (FT)	3	6	15	15	20	30	40	50	60	70	1	0.5	3	6	10
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6	10
	SAMPLE TYPE															
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	23	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	5 U	4.5 U	3.9 U	4.3 U
PAH High molecular weight	ug/kg	22.7	0	0	0	0	0	0	0	0	0	0 R	295	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0 R	19	0	0	0
Phenanthrene	ug/kg	5.2 U	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	19	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	7	5.3 U	5.1 U	5.4 U	5.2 U	5.3 U	5.4 U	5.1 U	5.3 U	5.5 U	5.1 R	49	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	660 U	670 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078
	DATE	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5	9.5
SAMPLE BOTTOM DEPTH (FT)		3	6	15	15	20	30	40	50	60	70	1	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 UJ	10 UJ	10 UJ
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	0.97 U	0.97 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	10 UJ	10 UJ	10.5 J	10 UJ
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U	43 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	90 U	78 U	86 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U	43 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 UJ	3.9 UJ	4.3 UJ
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-4	AOC11e-4	AOC11e-4	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-5	AOC11e-6	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1	AOC11e-SS-1
	SAMPLE	AOC11e-4-6160	AOC11e-4-6161	AOC11e-4-6164	AOC11e-5-6165	AOC11e-5-6166	AOC11e-5-6167	AOC11e-5-6168	AOC11e-5-6169	AOC11e-5-6170	AOC11e-5-6171	AOC11E-6-6172	AOC11e-SS-1-6075	AOC11e-SS-1-6076	AOC11e-SS-1-6077	AOC11e-SS-1-6078
	DATE	1/28/2016	1/28/2016	1/28/2016	1/19/2016	1/19/2016	1/19/2016	1/19/2016	1/20/2016	1/21/2016	1/21/2016	12/3/2015	9/23/2008	9/23/2008	9/23/2008	9/23/2008
SAMPLE TOP DEPTH (FT)		2	5	14	14	19	29	39	49	59	69	0	0	2.5	5.5	9.5
SAMPLE BOTTOM DEPTH (FT)		3	6	15	15	20	30	40	50	60	70	1	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	15	15	20	30	40	50	60	70	0.5	0.5	3	6	10
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	4.5 U	3.9 U	4.3 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U	43 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	45 U	39 U	43 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	330 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	4.5 U	3.9 U	4.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b
	SAMPLE	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
	SAMPLE TOP DEPTH (FT)	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	7	7	6	7
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
	SAMPLE TYPE			Field Duplicate												
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	8	7.8	7.8	7.8	7.97	9.93	8.31	8.98	8.86	9.61
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2.1 U	--	--	--	--	2 U	2 UJ	2 U	2 U	2.1 U	2 U	2 U
Arsenic	mg/kg	4.5	6.6	--	4.5	4.8	--	--	--	8.3	3.6	3.7	7	8.4	4.4	4.9
Barium	mg/kg	120	110	100	100	--	--	--	--	220	79	14	240	110	58	25
Beryllium	mg/kg	1 U	2 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	2 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	1.4	0.44	--	0.5	0.47	--	--	--	0.4 UJ	0.42 U	0.4 U	0.41 U	0.41 U	0.42 U	0.41 U
Chromium, total	mg/kg	28	21	27	21	--	--	--	--	26	13	4.9	22	17	13	15
Cobalt	mg/kg	4.3	6.2	--	7.4	6.3	--	--	--	9.6	3.4	1.6	7.8	6.7	6.6	6.9
Copper	mg/kg	8.1	9.7	--	11	10	--	--	--	11	5.6	2 U	12	8.6	9	7.8
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	9.5	7.4	5.5	3.8	--	--	--	--	4.1	8.3	2.4	3.8	3.9	3.1	3.5
Mercury	mg/kg	0.1 UJ	0.1 UJ	--	0.11 UJ	0.1 UJ	--	--	--	0.1 UJ	0.098 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	2 U	--	1.1 U	1 U	--	--	--	7.1	1 U	1 U	2 U	1 U	1	1 U
Nickel	mg/kg	8.7	13	--	15	13	--	--	--	18	6.9	2.7	17	13	10	12
Selenium	mg/kg	1 U	1 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	2 U	--	1.1 U	1 U	--	--	--	1 U	1 U	1 U	2 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	4.1 U	2 U	2.1 U	--	--	--	--	2 U	2 U	2 U	4.1 U	2.1 U	2 U	2 U
Vanadium	mg/kg	17	24	--	34	28	--	--	--	45	19	13	32	36	28	32
Zinc	mg/kg	39	35	--	37	39	--	--	--	61	26	9	51	42	39	44
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	4500	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	10000 J	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b
	SAMPLE	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
	SAMPLE TOP DEPTH (FT)	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	7	7	6	7
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
	SAMPLE TYPE			Field Duplicate												
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	9900 J	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	3000 J	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	130	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	1300	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	210	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	5 U	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	50 U	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	--	--	--	--
Aroclor 1221	ug/kg	33 U	34 U	--	35 U	34 U	33 U	33 U	33 U	33 U	33 U	33 UJ	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	--	--	--	--
Aroclor 1254	ug/kg	40	17 U	--	18 U	30	140	190	17 U	17 U	31	17 UJ	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	--	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 UJ	--	--	--	--
Aroclor 1262	ug/kg	17 U	17 U	--	18 U	17 U	--	--	--	--	17 U	17 UJ	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	18 U	17 U	--	--	--	--	17 U	17 UJ	--	--	--	--
Total PCBs	ug/kg	48.5	17 U	--	18 U	38.5	149	199	17 U	17 U	31	8.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.4 U	--	100 U	50 U	50 U	50 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	36	5.9 U	--	6.2 U	17	340	56	6	6.1	19	5.8 U	5.9 U	6 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	14	5.1 U	--	5.4 U	13	120	20	5 U	5 U	7.3	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	23	5.1 U	--	5.4 U	11	240	40	5 U	5 U	13	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	29	5.1 U	--	5.4 U	16	300	55	5	5.4	14	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	24	5.1 U	--	5.4 U	7.7	170	26	5 U	5 U	12	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	26	5.1 U	--	5.4 U	12	10 U	5 U	5 U	5 U	20 J	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Chrysene	ug/kg	31	5.1 U	--	5.4 U	20	200	31	5 U	5 U	20	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	6.7	5.1 U	5.1 U	5.4 U	--	42	6.4	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Fluoranthene	ug/kg	44	5.1 U	--	5.4 U	38 J	300	40	5 U	5 U	29	5 U	5.1 U	5.2 U	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b
	SAMPLE	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	7	7	6	7
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
SAMPLE TYPE				Field Duplicate												
ANALYTE	**UNITS**															
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.4 U	--	10 U	5 U	5 U	5 U	5 U	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	21	5.1 U	--	5.4 U	7.3	150	23	5 U	5 U	11	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Naphthalene	ug/kg	5 U	4.5 U	4.7 U	4.7 U	--	100 U	9.5 U	8.9 U	6.8 U	5 U	4.1 U	4.2 U	5.2 U	4.4 U	5.1 U
PAH High molecular weight	ug/kg	261	0	--	0	156	1810	278	5	5.4	154	0	0	0	0	0
PAH Low molecular weight	ug/kg	16	0	--	0	28	65	7.4	0	0	9.4	0	0	0	0	0
Phenanthrene	ug/kg	16	5.1 U	--	5.4 U	28 J	65	7.4	5 U	5 U	9.4	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Pyrene	ug/kg	42	5.1 U	--	5.4 U	31 J	290	37	5 U	5 U	28	5 U	5.1 U	5.2 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	--	350 U	340 U	3300 U	1700 U	1700 U	1700 U	330 U	330 U	340 U	340 U	340 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	1600 UJ	1600 U	1600 U	1700 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	--	350 U	340 U	1300 U	660 U	660 U	660 U	330 U	330 U	340 U	340 U	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	710 U	--	1300 U	660 U	660 U	660 U	660 U	660 U	680 U	680 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	340 U	--	350 U	340 U	1300 U	660 U	660 U	660 U	330 U	330 U	340 U	340 U	340 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1800 U	1700 U	3300 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1800 U	1700 U	3300 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	670 U	710 U	--	1300 U	660 U	660 U	660 U	660 U	660 U	680 U	680 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	330 UJ	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	--	1700 U	1600 U	3300 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U
Phenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b
	SAMPLE	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
	SAMPLE TOP DEPTH (FT)	0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	7	7	6	7
	SAMPLE BOTTOM DEPTH (FT)	0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
	SAMPLE TYPE			Field Duplicate												
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 UJ	10 UJ	--	10 J	10 UJ	75	20	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	1 U	0.84 U	1.1 UJ	--	--	1.7 U	1.6 U	1.7 U	--	1.1 U	1.1 U	0.97 U	1 UJ	0.84 U
TPH as motor oil	mg/kg	10 UJ	10 UJ	--	10 UJ	10 UJ	340	65	31	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1-Dichloroethene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1-Dichloropropene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1,1-Trichloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1,1,2-Tetrachloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1,2-Trichloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,1,2,2-Tetrachloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2-Dibromo-3-chloropropane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2-Dibromoethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2-Dichlorobenzene	ug/kg	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2-Dichloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2-Dichloropropane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2,3-Trichlorobenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2,3-Trichloropropane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2,4-Trichlorobenzene	ug/kg	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,2,4-Trimethylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,3-Dichlorobenzene	ug/kg	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,3-Dichloropropane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,3,5-Trimethylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
1,4-Dichlorobenzene	ug/kg	330 U	4.5 U	4.7 U	4.7 U	--	660 U	9.5 U	8.9 U	6.8 U	330 U	4.1 UJ	4.2 UJ	5.6 UJ	4.4 UJ	5.1 UJ
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	41 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 UJ	8.9 UJ	6.8 UJ	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	--	1700 U	1600 U	660 U	330 U	330 U	330 U	1600 U	1600 U	1600 U	1700 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Acetone	ug/kg	--	45 U	47 U	--	--	--	95 U	89 U	68 U	--	41 U	42 U	--	44 U	--
Acrolein	ug/kg	--	91 U	93 U	94 U	--	--	190 U	180 U	140 U	--	81 U	84 U	110 U	89 U	100 U
Acrylonitrile	ug/kg	--	45 U	47 U	47 U	--	--	95 U	89 U	68 U	--	41 U	42 U	56 U	44 U	51 U
Benzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Bromobenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Bromochloromethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Bromodichloromethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Bromoform	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Bromomethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Carbon disulfide	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Carbon tetrachloride	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Chloro methane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Chlorobenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Chloroethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Chloroform	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
cis-1,2-Dichloroethene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
cis-1,3-Dichloropropene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.1 U	--	--	--	--
Dibromochloromethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11e-SS-2	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC11g-OS1	AOC12a-T1a	AOC12a-T1a	AOC12a-T1a	AOC12a-T1c	AOC12a-T2a	AOC12a-T2b
	SAMPLE	AOC11e-SS-2-6079	AOC11e-SS-2-6080	AOC11e-SS-2-6082	AOC11e-SS-2-6083	AOC11e-SS-2-6081	300b-103-1080	300b-103-1081	300b-103-1082	300b-103-1083	AOC12a-T1a-7001	AOC12a-T1a-7002	AOC12a-T1b-7003	AOC12a-T1c-7004	AOC12a-T2a-7005	AOC12a-T2b-7006
	DATE	9/23/2008	9/23/2008	9/23/2008	9/23/2008	9/23/2008	4/6/2011	4/6/2011	4/6/2011	4/6/2011	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008	9/22/2008
SAMPLE TOP DEPTH (FT)		0	2.5	5.5	9.5	5.5	0	2.5	5.5	8.5	0	2	7	7	6	7
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	6	0.5	3	6	9	0.5	3	8	8	7	8
SAMPLE TYPE				Field Duplicate												
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Dichlorodifluoromethane	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Ethyl- benzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Hexachlorobutadiene	ug/kg	330 U	4.5 U	4.7 U	4.7 U	--	1300 U	9.5 U	8.9 U	6.8 U	330 U	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	660 U	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	4.1 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	45 U	47 U	47 U	--	--	95 U	89 U	68 U	--	41 U	42 U	56 U	44 U	51 U
Methyl isobutyl ketone	ug/kg	--	45 U	47 U	47 U	--	--	95 U	89 U	68 U	--	41 U	42 U	56 U	44 U	51 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	4.1 U	--	--	--	--
Methylene chloride	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
N-Butylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
N-Propylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Nitrobenzene	ug/kg	330 U	340 U	--	350 U	340 U	660 U	330 U	330 U	330 U	330 U	330 U	340 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
sec-Butylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Styrene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
tert-Butylbenzene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Tetrachloroethene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 UJ	4.2 UJ	5.6 UJ	4.4 UJ	5.1 UJ
Toluene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
trans-1,2-Dichloroethene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
trans-1,3-Dichloropropene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Trichloroethene	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Vinyl chloride	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Xylene, m,p-	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Xylene, o-	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U
Xylenes, total	ug/kg	--	4.5 U	4.7 U	4.7 U	--	--	9.5 U	8.9 U	6.8 U	--	4.1 U	4.2 U	5.6 U	4.4 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1
	SAMPLE	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	10	2	3	10	10	10	7	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
SAMPLE TYPE										Field Duplicate						
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.34	9.12	8.47	9.28	7.88	9.2	8.52	8.23	8.25	--	9.25	7.76	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	4.9	5.8	5.4	4.9	6	5.1	6.5	4.7	5	--	4.2	4.8	4.8	4.8	2.2
Barium	mg/kg	81	88	110 J	150	120	140	160	93	--	150	67	84	190 J	220	180
Beryllium	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	1.1 U	2.1 U	2 U	2 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.42 U	0.42 U	0.41 U	0.41 U	0.42 U	0.43 U	0.42 U	0.42 U	0.42 U	--	0.42 U	0.42 U	0.84	0.41 U	0.41 U
Chromium, total	mg/kg	26	26	28	25	25	23	27	22	23	--	19	21	25	25	27
Cobalt	mg/kg	14	9.6	8.4	9.3	8.7	8.4	9.4	7.8	--	7.7	7.2	7.5	7.2	8.4	8.5
Copper	mg/kg	18	14	13	11	9.6	13	12	9.4	--	12	10	10	11	8.5	9.5
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.5	4.9	7.1	4	4	5.7	6.4	3.9	3.8	--	3.4	3.9	18	8.7	2.3
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	--	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	1.1 U	2.1 U	2 U	2 U	1.6
Nickel	mg/kg	20	20	18	18	18	19	19	16	--	17	16	16	11	11	12
Selenium	mg/kg	1 U	2.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1.1 U	1 U	1 U	1 U	2 U
Silver	mg/kg	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	2.1 U	1.1 U	2.1 U	2 U	2 U	1 U
Thallium	mg/kg	4.1 U	4.2 U	4 U	4.1 U	4.2 U	4.1 U	4.1 U	4.1 U	--	4.2 U	2.1 U	4.2 U	4 U	4.1 U	2 U
Vanadium	mg/kg	41	42	38	39	39	36	40	35	36	--	33	34	30	36	34
Zinc	mg/kg	57	58	77	51	50	49	57	45	50	--	50	45	70	47	38
Metals CLP																
Aluminum	mg/kg	--	--	12000	--	--	--	--	--	--	--	--	--	8700	--	--
Calcium	mg/kg	--	--	31000	--	--	--	--	--	--	--	--	--	48000	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1
	SAMPLE	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	10	2	3	10	10	10	7	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
SAMPLE TYPE										Field Duplicate						
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	23000	--	--	--	--	--	--	--	--	--	20000	--	--
Magnesium	mg/kg	--	--	8300	--	--	--	--	--	--	--	--	--	8500	--	--
Manganese	mg/kg	--	--	290	--	--	--	--	--	--	--	--	--	270	--	--
Potassium	mg/kg	--	--	2700	--	--	--	--	--	--	--	--	--	2700	--	--
Sodium	mg/kg	--	--	340	--	--	--	--	--	--	--	--	--	850	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	5.1 U	--	--	--	--	--	--	--	--	--	5.1 U	--	--
Toxaphene	ug/kg	--	--	51 U	--	--	--	--	--	--	--	--	--	51 U	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	--	--	--	--	--	33 U	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	17 U	--	--
Total PCBs	ug/kg	--	--	8.5 U	--	--	--	--	--	--	--	--	--	8.5 U	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	6	5.9	6 U	6 U	16	61	6 U	6 U	--	6.2 U	6 U	11	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	8.1	30	5.2 U	5.2 U	--	5.4 U	5.2 U	5.8	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	11	39	5.2 U	5.2 U	--	5.4 U	5.2 U	6.1	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	9.9	45	5.2 U	5.2 U	--	5.4 U	5.2 U	8.2	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	10	35	5.2 U	5.2 U	--	5.4 U	5.2 U	10	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	14	45	5.2 U	5.2 U	--	5.4 U	5.2 U	8.1	5.1 U	5.1 U
Chrysene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	13	49	5.2 U	5.2 U	--	5.4 U	5.2 U	9.6	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	11	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.2 U	6.5	5.7	5.2 U	5.2 U	16	61	5.2 U	5.2 U	--	5.4 U	5.2 U	9.2	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1
	SAMPLE	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	10	2	3	10	10	10	7	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
SAMPLE TYPE										Field Duplicate						
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	9.3	32	5.2 U	5.2 U	--	5.4 U	5.2 U	5.3	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.2 U	4.3 U	5 U	5.2 U	5.2 U	4.8 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	6.5	5.7	0	0	107	407	0	--	0	0	0	71.7	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	14	0	--	0	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	5.2 U	14	5.2 U	5.2 U	--	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	5.2 U	5.1 U	5.2 U	5.2 U	16	60	5.2 U	5.2 U	--	5.4 U	5.2 U	9.4	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	710 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	710 UJ	--	--	--	--	--	--	--	--	--	710 U	--	--
2-Chloro naphthalene	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2-Chlorophenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2-Methylphenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	710 UJ	--	--	--	--	--	--	--	--	--	710 U	--	--
2,4-Dichlorophenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	670 U	680 U	690 U	680 U	680 U	680 U	690 U	--	710 U	690 U	670 U	680 U	670 U
4-Chloroaniline	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
4-Methylphenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	710 UJ	--	--	--	--	--	--	--	--	--	710 U	--	--
Atrazine	ug/kg	--	--	710 U	--	--	--	--	--	--	--	--	--	710 U	--	--
Benzaldehyde	ug/kg	--	--	710 UJ	--	--	--	--	--	--	--	--	--	710 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	690 U	670 U	680 U	690 U	680 U	680 U	680 U	690 U	--	710 U	690 U	670 U	680 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Butylbenzylphthalate	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Caprolactam	ug/kg	--	--	330 UJ	--	--	--	--	--	--	--	--	--	330 U	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	1100	--	350 U	340 U	330 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Dibenzofuran	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Diethyl phthalate	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Dimethyl phthalate	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Hexachlorobenzene	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Hexachloroethane	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
Phenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1
	SAMPLE	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	10	2	3	10	10	10	7	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
SAMPLE TYPE										Field Duplicate						
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.2 U	160 U	--	1 U	1.2 U	1 U	--	0.98 U	--	0.82 U	0.9 U	0.86 U	--	1 U	1.2 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	22.5	10 U	120 J	--	10 U	10 U	30.8 J	13.5	28.6
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1-Dichloroethene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1-Dichloropropene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1,1-Trichloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1,2-Trichloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2-Dibromoethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2-Dichlorobenzene	ug/kg	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U
1,2-Dichloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2-Dichloropropane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2,3-Trichlorobenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2,3-Trichloropropane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,2,4-Trichlorobenzene	ug/kg	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U
1,2,4-Trimethylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,3-Dichlorobenzene	ug/kg	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U
1,3-Dichloropropane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,3,5-Trimethylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
1,4-Dichlorobenzene	ug/kg	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
2-Hexanone	ug/kg	--	--	--	65 U	--	--	--	--	48 U	--	--	--	--	67 U	--
2,2-Dichloropropane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	1700 U	1700 U	1600 U	1700 U	1600 U	--	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
4-Isopropyltoluene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Acetone	ug/kg	51 U	63 U	--	65 UJ	--	--	56 U	54 UJ	48 UJ	--	--	54 UJ	--	--	66 U
Acrolein	ug/kg	100 U	130 U	--	130 UJ	86 U	99 UJ	110 U	110 UJ	96 UJ	--	120 UJ	110 UJ	--	130 U	130 U
Acrylonitrile	ug/kg	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U	48 U	--	59 U	54 U	--	67 U	66 U
Benzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Bromobenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Bromochloromethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Bromodichloromethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Bromoform	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Bromomethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Carbon disulfide	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Carbon tetrachloride	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Chloro methane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Chlorobenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Chloroethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Chloroform	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
cis-1,2-Dichloroethene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
cis-1,3-Dichloropropene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Cyclohexane	ug/kg	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	6.7 U	--
Dibromochloromethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC12b-T1a	AOC12b-T1b	AOC12c-T1a	AOC12c-T1a	AOC12c-T1a	AOC12c-T1b	AOC12c-T1b	AOC12c-T1b	AOC12c-T1c	AOC12c-T1c	AOC12c-T2a	AOC12c-T2b	AOC14-1	AOC14-1	AOC14-1
	SAMPLE	AOC12b-T1a-7009	AOC12b-T1b-7010	AOC12c-T1b-7015	AOC12c-T1b-7016	AOC12c-T1a-7014	AOC12c-T2c-7020	AOC12c-T1c-7023	AOC12c-T1c-7017	AOC12c-T2d-7022	AOC12c-T2d-7021	AOC12c-T2a-7018	AOC12c-T2b-7019	AOC14-1-8001	AOC14-1-8002	AOC14-1-8003
	DATE	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/22/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/20/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		2	2	0	2	10	2	3	10	10	10	7	7	0	2	5
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	3	11	3	4	11	11	11	8	8	0.5	3	6
SAMPLE TYPE										Field Duplicate						
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Dichlorodifluoromethane	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Ethyl- benzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Hexachlorobutadiene	ug/kg	5.1 U	6.3 U	330 U	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	330 U	6.7 U	6.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	670 U	--	--	--	--	--	--	--	--	--	670 U	--	--
Isophorone	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
Isopropylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Methyl acetate	ug/kg	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	6.7 U	--
Methyl ethyl ketone	ug/kg	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U	48 U	--	59 U	54 U	--	67 U	66 U
Methyl isobutyl ketone	ug/kg	51 U	63 U	--	65 U	43 U	50 U	56 U	54 U	48 U	--	59 U	54 U	--	67 U	66 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Methylcyclohexane	ug/kg	--	--	--	6.5 U	--	--	--	--	--	--	--	--	--	6.7 U	--
Methylene chloride	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
N-Butylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
N-Propylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Nitrobenzene	ug/kg	340 U	350 U	330 U	340 U	350 U	340 U	340 U	340 U	--	350 U	350 U	340 U	330 U	340 U	330 U
p-Chlorotoluene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
sec-Butylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Styrene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
tert-Butylbenzene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Tetrachloroethene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Toluene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
trans-1,2-Dichloroethene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
trans-1,3-Dichloropropene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Trichloroethene	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Vinyl chloride	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Xylene, m,p-	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Xylene, o-	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U
Xylenes, total	ug/kg	5.1 U	6.3 U	--	6.5 U	4.3 U	5 U	5.6 U	5.4 U	4.8 U	--	5.9 U	5.4 U	--	6.7 U	6.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13
	SAMPLE	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062
	DATE	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	5	5	9	14	5	9	14	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.3	2.7	3.6	2.9	3.3	5	7.1	--	5.5	2.4	4	3.2	2.3	3.2	3.3
Barium	mg/kg	160	140	69	65	110	81	110	--	140	140	80	190	150	140	130
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	4 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.4 U	0.4 U	--	0.41 U	0.4 U	0.4 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.4 U	0.41 U
Chromium, total	mg/kg	17	18	10	11	12	11	9.8	--	15	18	20	27	17	20	22
Cobalt	mg/kg	7.4	8.6	2.4	2.4	2.9	4.5	4 U	--	5.9	8.4	8.5	7.5	7.4	7.7	5.8
Copper	mg/kg	8.2	12	3.5	3.1	4.6	7.1	8.1 U	--	7.3	13	9	8.4	7.7	9.8	11
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.7	2.1	3.5	2.9	3.4	5.9	2.6	--	4.2	2	3	3.2	3	2.8	3.6
Mercury	mg/kg	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	4 U	--	1	1 U	1 U	2.4	1 U	1.2	2
Nickel	mg/kg	11	11	4.2	3.9	5.2	8.7	4.6	--	9.9	12	14	9.8	11	13	9
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.5	1.2	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	4 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2.2	8.1 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	31	29	13	11	14	21	13	--	28	34	35	29	29	29	21
Zinc	mg/kg	34	34	14	14	17	28	13	--	28	37	39	36	37	35	30
Metals CLP																
Aluminum	mg/kg	--	--	3000	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	11000	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13
	SAMPLE	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062
	DATE	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	5	5	9	14	5	9	14	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
SAMPLE TYPE									Field Duplicate							
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	6800	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	2600	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	120	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	690	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	210	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5 U	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	50 U	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	8.5 U	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U
Acenaphthene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U
Acenaphthylene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U
Anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	22	5.1 U	5 U	5 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	5.8 U	5.8 U	5.8 U	5.9 U	5.9 U	--	5.9 U	5.9 U	5.9 U	130	5.9 U	5.8 U	5.8 U
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	180	5.1 U	5 U	5 U
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	84	5.1 U	5 U	5 U
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	110	5.1 U	5 U	5 U
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	40	5.1 U	5 U	5 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	82	5.1 U	5 U	5 U
Chrysene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	210	5.1 U	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	17	5.1 U	5 U	5 U
Fluoranthene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	350	5.1 U	5 U	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13
	SAMPLE	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062
	DATE	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	5	5	9	14	5	9	14	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	39	5.1 U	5 U	5 U
Naphthalene	ug/kg	5 U	5.1 U	5 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.1 U	5.1 U	4.8 U	5 U	5 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	--	0	0	0	1420	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	--	0	0	0	142	0	0	0
Phenanthrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	120	5.1 U	5 U	5 U
Pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	310	5.1 U	5 U	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	700 UJ	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	660 U	660 U	660 U	670 U	670 U	--	670 U	670 U	680 U	670 U	670 U	660 U	670 U
4-Chloroaniline	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	700 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	700 U	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	700 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	660 U	660 U	660 U	670 U	670 U	--	670 U	670 U	680 U	670 U	670 U	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	330 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13
	SAMPLE	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062
	DATE	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	5	5	9	14	5	9	14	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.3 U	--	0.99 U	0.86 U	1.1 U	0.8 U	--	0.95 U	0.83 U	1.2 U	1.4 U	1.1 U	0.87 U	1.4 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	--	10 U	10 UJ	23.3	23	10 U	10 UJ	33	10 U	10 U	28
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1-Dichloroethene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1-Dichloropropene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1,1-Trichloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1,1,2-Tetrachloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1,2-Trichloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,1,2,2-Tetrachloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2-Dibromo-3-chloropropane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2-Dibromoethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2-Dichlorobenzene	ug/kg	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2-Dichloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2-Dichloropropane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2,3-Trichlorobenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2,3-Trichloropropane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2,4-Trichlorobenzene	ug/kg	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,2,4-Trimethylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,3-Dichlorobenzene	ug/kg	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,3-Dichloropropane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,3,5-Trimethylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,4-Dichlorobenzene	ug/kg	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
1,4-Dioxane	ug/kg	--	--	330 U	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
2-Hexanone	ug/kg	--	--	--	47 U	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Acetone	ug/kg	--	--	--	--	44 U	46 U	48 U	--	44 U	46 U	56 U	--	--	--	--
Acrolein	ug/kg	200 U	130 UJ	--	94 U	88 U	92 U	95 U	--	88 U	91 U	110 U	140 U	97 U	100 UJ	140 U
Acrylonitrile	ug/kg	100 U	64 U	--	47 U	44 U	46 U	48 U	--	44 U	46 U	56 U	72 U	48 U	52 U	68 U
Benzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Bromochloromethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Bromodichloromethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Bromoform	ug/kg	10 U	6.4 U	--	4.7 UJ	4.4 UJ	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Bromomethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Carbon disulfide	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Carbon tetrachloride	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Chloro methane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Chlorobenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Chloroethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Chloroform	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
cis-1,2-Dichloroethene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
cis-1,3-Dichloropropene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Cyclohexane	ug/kg	--	--	--	4.7 U	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-1	AOC14-1	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-10	AOC14-11	AOC14-11	AOC14-11	AOC14-12	AOC14-12	AOC14-12	AOC14-13
	SAMPLE	AOC14-1-8004	AOC14-1-8005	AOC14-10-8050	AOC14-10-8051	AOC14-10-8052	AOC14-10-8054	AOC14-10-8055	AOC14-10-8053	AOC14-11-8056	AOC14-11-8057	AOC14-11-8058	AOC14-12-8059	AOC14-12-8060	AOC14-12-8061	AOC14-13-8062
	DATE	9/30/2008	9/30/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
SAMPLE TOP DEPTH (FT)		9	14	0	2	5	9	14	5	5	9	14	5	9	14	5
SAMPLE BOTTOM DEPTH (FT)		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	0.5	3	6	10	15	6	6	10	15	6	10	15	6
SAMPLE TYPE									Field Duplicate							
ANALYTE	UNITS															
Dibromomethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Dichlorodifluoromethane	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Ethyl- benzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Hexachlorobutadiene	ug/kg	10 U	6.4 U	330 U	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Hexachlorocyclopentadiene	ug/kg	--	--	660 U	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Methyl acetate	ug/kg	--	--	--	4.7 U	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	100 U	64 U	--	47 U	44 U	46 U	48 U	--	44 U	46 U	56 U	72 U	48 U	52 U	68 U
Methyl isobutyl ketone	ug/kg	100 U	64 U	--	47 U	44 U	46 U	48 U	--	44 U	46 U	56 U	72 U	48 U	52 U	68 U
Methyl tert-butyl ether (MTBE)	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Methylcyclohexane	ug/kg	--	--	--	4.7 U	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
N-Butylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
N-Propylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Nitrobenzene	ug/kg	330 U	340 U	330 U	330 U	330 U	340 U	330 U	--	330 U	330 U	340 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
sec-Butylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Styrene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
tert-Butylbenzene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Tetrachloroethene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Toluene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
trans-1,2-Dichloroethene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
trans-1,3-Dichloropropene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Trichloroethene	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Trichlorofluoromethane (Freon 11)	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Vinyl chloride	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Xylene, m,p-	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Xylene, o-	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U
Xylenes, total	ug/kg	10 U	6.4 U	--	4.7 U	4.4 U	4.6 U	4.8 U	--	4.4 U	4.6 U	5.6 U	7.2 U	4.8 U	5.2 U	6.8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15
	SAMPLE	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105
	DATE	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	6	9	2	0	2	5	6	9	0
SAMPLE BOTTOM DEPTH (FT)		10	15	15	1	3	5.5	7	10	3	1	3	5.5	7	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	5.5	7	10	3	0.5	3	5.5	7	10	0.5
SAMPLE TYPE				Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	160 J	510	800	72	240	--	84	15	3700	490	260	94
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	15	--	140	9.1 J	23	35	9.3 J	3 J	1700	150	12 J	16
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	1.3 U	--	4.2 J	0.29 U	0.7 U	0.72 U	0.74 U	0.37 U	130	6.2 J	0.59 J	0.52 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	2.2 J	0.44 U	4 U	0.43 U	0.21 U	--	0.12 U	0.37 J	350 U	16	0.59 U	0.13 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	1.4 U	2.7 J	12 J	0.74 U	1.8 U	--	0.87 J	0.22 U	140	8.1 J	1.5 J	1.4 J
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	4.1 J	--	22	1.5 J	4.6 J	9.1 J	3 J	0.37 U	260	16	2.8 J	3.1 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	0.81 U	0.43 U	3.9 U	0.42 U	0.58 J	--	0.38 U	0.19 U	380	16	0.58 U	0.5 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	0.22 U	0.9 J	2.1 J	0.16 J	0.42 U	--	0.51 J	0.13 U	110 U	5.6 U	0.44 U	0.34 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	0.47 U	0.3 U	0.34 U	0.63 U	0.19 U	--	0.31 U	0.093 U	210	9.8 J	0.51 U	1.7 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	2.2 U	3.5 J	9.3 J	0.69 J	1.9 J	--	1.6 U	0.16 U	220	9.6 J	1.2 J	1.1 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	0.2 U	0.52 U	4.6 U	0.5 U	0.24 U	--	0.14 U	0.22 U	83	4.3 J	0.69 U	0.35 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	20 U	--	260 U	15 U	38 U	82 U	22 U	12 U	640	19	26 U	20 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	0.64 U	--	1.3 U	0.66 U	0.2 U	0.39 J	0.35 U	0.19 U	490	18	0.76 U	0.14 U
2,3,7,8-TCDD	ng/kg	--	--	--	0.16 U	--	0.13 U	0.071 U	0.049 U	0.12 U	0.18 J	0.031 U	20	1.4 J	0.13 U	0.055 U
2,3,7,8-TCDF	ng/kg	--	--	--	0.21 U	--	0.15 U	0.14 U	0.16 U	0.18 U	0.24 U	0.2 J	17 U	0.22 U	0.44 J	0.3 U
OCDD	ng/kg	--	--	--	2200	5900	8300	880	3300	--	880	150	16000	4900	3300	740
OCDF	ng/kg	--	--	--	27	94	380	34	64	--	21 J	8.2 J	740	120	62	49
TEQ Avian	ng/kg	--	--	--	2.6	7.4	21	1.8	3.5	--	2.5	1.1	780	33	3.4	2
TEQ Human	ng/kg	--	--	--	4.6	14	32	2.5	6.6	--	3.5	1.1	480	27	6	3
TEQ Mammals	ng/kg	--	--	--	4.6	14	32	2.5	6.6	--	3.5	1.1	480	27	6	3
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	9.1	8.7	8.6	8.4	8.4	--	9.2	8.3	8.7	8.3	8.2	9
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	1.9	3.2	--	3.2	3.3	2.6	3.2	3.4	--	2.5	2	5.9	3.4	2.5	4
Barium	mg/kg	140	110	--	140	--	98	77	110	87 J	150	120	160	160	95	140
Beryllium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1.4	1 U	1.9	1.3	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	0.41 U	--	0.27	--	0.8	0.2 U	0.2 U	0.35	0.33	0.2 U	6.7	2.7	0.66	0.2 U
Chromium, total	mg/kg	16	16	--	16	30	27	19	20	--	16	13	420	65	15	14
Cobalt	mg/kg	7.7	--	7.5	7.2	8.5	7.8	8.3	7.4	--	7.2	7.1	7.3	7.7	7	7.8
Copper	mg/kg	7.2	--	13	11	13	9.8	9.9	8	--	12	12	170	80	9.7	11
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.1	--	2.4	7.2	--	2.1	2.1	2.6	3.5	15	3.4	160	70	2.6	2.2
Mercury	mg/kg	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.22	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	4.5	2.8	1 U	1 U
Nickel	mg/kg	10	11	--	10	17	11	13	11	--	11	8.9	27	16	10	12
Selenium	mg/kg	1.6	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	--	2 U	2.1	2.2	2.1 U	2.6	--	2 U	2 U	2.1 U	2 U	2 U	2 U
Vanadium	mg/kg	28	29	--	27	--	29	33	29	34	30	30	58	27	29	29
Zinc	mg/kg	34	33	--	44	--	38	38	39	43	65	32	310	260	34	36
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15
	SAMPLE	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105
	DATE	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	6	9	2	0	2	5	6	9	0
SAMPLE BOTTOM DEPTH (FT)		10	15	15	1	3	5.5	7	10	3	1	3	5.5	7	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	5.5	7	10	3	0.5	3	5.5	7	10	0.5
SAMPLE TYPE				Field Duplicate						Field Duplicate						
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
4,4-DDE	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
4,4-DDT	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Aldrin	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Endo sulfan I	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Endosulfan sulfate	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Endrin	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Endrin aldehyde	ug/kg	--	--	--	2 U	2 U	2 U	2.1 U	2 U	--	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Toxaphene	ug/kg	--	--	--	51 U	51 U	51 U	51 U	51 U	--	51 U	51 U	52 U	51 U	51 U	51 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	33 U	34 U	33 U	34 U	34 U	--	34 U	34 U	34 U	34 U	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	52	33	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	8.5 U	8.5 U	52	33	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	--	14	5.9 U	6.1	6 U	5.9 U	--	740	5.9 U	6 U	5.9	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	--	10	5.1 U	5.1 U	5.2 U	5.1 U	--	1000	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	--	7.8	5.1 U	5.1 U	5.2 U	5.1 U	--	550	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	--	15	5.1 U	5.1	5.2 U	5.1 U	--	840	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	--	8.1	5.1 U	5.1 U	5.2 U	5.1 U	--	9.6	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	--	6.4	5.1 U	5.1 U	5.2 U	5.1 U	--	360	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Chrysene	ug/kg	5.1 U	5.1 U	--	8.8	5.1 U	5.1 U	5.2 U	5.1 U	--	1100	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.1 U	--	13	5.1 U	5.1 U	5.2 U	5.1 U	--	2100	5.1 U	5.2 U	390	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15
	SAMPLE	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105
	DATE	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016
	SAMPLE TOP DEPTH (FT)	9	14	14	0	2	5	6	9	2	0	2	5	6	9	0
	SAMPLE BOTTOM DEPTH (FT)	10	15	15	1	3	5.5	7	10	3	1	3	5.5	7	10	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	10	15	15	0.5	3	5.5	7	10	3	0.5	3	5.5	7	10	0.5
	SAMPLE TYPE			Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	5.1 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	--	6.1	5.1 U	5.1 U	5.2 U	5.1 U	--	8.2	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	4.6 U	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	--	89.2	0	5.1	0	0	--	8070	0	0	390	0	0
PAH Low molecular weight	ug/kg	0	0	--	0	0	0	0	0	--	380	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	--	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	--	380	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	--	14	5.1 U	5.1 U	5.2 U	5.1 U	--	2100	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2-Chlorophenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2-Methylphenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U	680 U	6900 U	680 U	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U	680 U	690 U	680 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	340 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U	680 U	690 U	680 U	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
4-Methylphenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	--	670 U	670 U	670 U	680 U	670 U	--	670 U	680 U	690 U	680 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	3400 U	340 U	340 U	340 U
Butylbenzylphthalate	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	3400 U	340 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Dibenzofuran	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Diethyl phthalate	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Dimethyl phthalate	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Hexachlorobenzene	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Hexachloroethane	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15
	SAMPLE	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105
	DATE	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	6	9	2	0	2	5	6	9	0
SAMPLE BOTTOM DEPTH (FT)		10	15	15	1	3	5.5	7	10	3	1	3	5.5	7	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	5.5	7	10	3	0.5	3	5.5	7	10	0.5
SAMPLE TYPE				Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	53	29	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	--	0.92 U	--	1.1 U	1.2 U	1.2 U	1.1 U	--	--	1.1 U	1.6 U	1.5 U	1.3 U	--
TPH as motor oil	mg/kg	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	--	19	10 U	460	240	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1-Dichloroethene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1-Dichloropropene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1,1-Trichloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1,1,2-Tetrachloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1,2-Trichloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,1,2,2-Tetrachloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2-Dibromo-3-chloropropane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2-Dibromoethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2-Dichlorobenzene	ug/kg	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2-Dichloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2-Dichloropropane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2,3-Trichlorobenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2,3-Trichloropropane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2,4-Trichlorobenzene	ug/kg	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,2,4-Trimethylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,3-Dichlorobenzene	ug/kg	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,3-Dichloropropane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,3,5-Trimethylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,4-Dichlorobenzene	ug/kg	9.9 U	5.8 U	--	330 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
4-Isopropyltoluene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Acetone	ug/kg	--	--	--	--	51 U	58 U	59 U	62 U	--	46 UJ	60 UJ	76 UJ	67 UJ	63 UJ	66 U
Acrolein	ug/kg	200 U	120 UJ	--	--	100 U	120 U	120 U	120 U	--	93 U	120 U	150 U	130 U	130 U	130 U
Acrylonitrile	ug/kg	99 U	58 U	--	--	51 U	58 U	59 U	62 U	--	46 U	60 U	76 U	67 U	63 U	66 U
Benzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Bromobenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Bromochloromethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Bromodichloromethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Bromoform	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Bromomethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Carbon disulfide	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Carbon tetrachloride	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Chloro methane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Chlorobenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Chloroethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Chloroform	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
cis-1,2-Dichloroethene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
cis-1,3-Dichloropropene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-13	AOC14-13	AOC14-13	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14E	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-14W	AOC14-15
	SAMPLE	AOC14-13-8063	AOC14-13-8064	AOC14-13-8065	AOC14-14E-8127	AOC14-14E-8128	AOC14-14E-8130	AOC14-14E-8131	AOC14-14E-8132	AOC14-14E-8129	AOC14-14W-8100	AOC14-14W-8101	AOC14-14W-8102	AOC14-14W-8103	AOC14-14W-8104	AOC14-15-8105
	DATE	9/30/2008	9/30/2008	9/30/2008	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/18/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/18/2016
SAMPLE TOP DEPTH (FT)		9	14	14	0	2	5	6	9	2	0	2	5	6	9	0
SAMPLE BOTTOM DEPTH (FT)		10	15	15	1	3	5.5	7	10	3	1	3	5.5	7	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	15	15	0.5	3	5.5	7	10	3	0.5	3	5.5	7	10	0.5
SAMPLE TYPE				Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
Dibromomethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Dichlorodifluoromethane	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Ethyl- benzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Hexachlorobutadiene	ug/kg	9.9 U	5.8 U	--	670 U	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
Isopropylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	99 U	58 U	--	--	51 U	58 U	59 U	62 U	--	46 UJ	60 UJ	76 UJ	67 UJ	63 UJ	66 U
Methyl isobutyl ketone	ug/kg	99 U	58 U	--	--	51 U	58 U	59 U	62 U	--	46 U	60 U	76 U	67 U	63 U	66 U
Methyl tert-butyl ether (MTBE)	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
N-Butylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
N-Propylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Nitrobenzene	ug/kg	330 U	340 U	--	330 U	340 U	330 U	340 U	340 U	--	340 U	340 U	340 U	340 U	340 U	340 U
p-Chlorotoluene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
sec-Butylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Styrene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
tert-Butylbenzene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Tetrachloroethene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Toluene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
trans-1,2-Dichloroethene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
trans-1,3-Dichloropropene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Trichloroethene	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Vinyl chloride	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Xylene, m,p-	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Xylene, o-	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U
Xylenes, total	ug/kg	9.9 U	5.8 U	--	--	5.1 U	5.8 U	5.9 U	6.2 U	--	4.6 U	6 U	7.6 U	6.7 U	6.3 U	6.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W
	SAMPLE	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117
	DATE	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016
	SAMPLE TOP DEPTH (FT)	2	5	7	0	2	5	9	0	2	5	7	9	9	9	0
	SAMPLE BOTTOM DEPTH (FT)	3	6	8	1	3	6	10	1	3	6	8	10	10	10	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	8	0.5	3	6	10	0.5	3	6	8	10	10	10	0.5
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	180	140	16	220	140	26	3.8 J	5.6 J	230	44	62	0.45 U	--	0.23 J	14
1,2,3,4,6,7,8-HpCDF	ng/kg	28	19	1.8 J	0.099 U	0.15 U	1.6 J	0.29 J	0.9 J	27	8.1 U	19	--	0.059 U	0.088 J	1.7 J
1,2,3,4,7,8-HxCDD	ng/kg	1.1 U	0.57 U	0.12 U	1.1 J	0.42 U	0.13 U	0.047 U	0.06 U	4.5 U	0.6 U	1.3 J	0.066 U	--	0.02 U	0.18 U
1,2,3,4,7,8-HxCDF	ng/kg	0.21 U	0.11 U	0.27 U	0.32 U	0.36 U	0.25 J	0.053 U	0.044 U	5 U	0.38 U	0.48 U	--	0.075 U	0.026 U	0.16 U
1,2,3,4,7,8,9-HpCDF	ng/kg	1.4 U	1.5 J	0.18 U	1.9 J	0.76 U	0.27 U	0.12 U	0.11 U	2.6 U	0.34 U	0.98 U	--	0.07 U	0.062 U	0.13 U
1,2,3,6,7,8-HxCDD	ng/kg	5.1 J	3.9 J	0.44 J	5.8 J	2.5 J	0.69 U	0.03 U	0.13 U	4.5 U	0.43 U	2 J	--	0.051 U	0.02 U	0.47 U
1,2,3,6,7,8-HxCDF	ng/kg	0.59 U	0.37 U	0.13 U	5.6 U	0.35 U	0.082 U	0.053 U	0.043 U	4.9 U	0.73 U	0.94 U	--	0.073 U	0.032 U	0.15 U
1,2,3,7,8-PeCDD	ng/kg	0.76 U	0.49 U	0.12 U	0.55 J	0.12 U	0.067 U	0.02 U	0.044 U	3 U	0.22 U	0.39 U	--	0.029 U	0.066 U	0.083 U
1,2,3,7,8-PeCDF	ng/kg	0.22 U	0.45 U	0.062 U	0.32 U	0.21 U	0.051 U	0.068 U	0.054 U	1.4 U	0.23 U	0.19 U	--	0.042 U	0.034 U	0.11 U
1,2,3,7,8,9-HxCDD	ng/kg	2 J	2.1 J	0.14 U	2.4 J	1.3 J	0.44 J	0.074 U	0.16 J	4.3 U	0.41 U	0.83 U	0.064 U	--	0.019 U	0.39 U
1,2,3,7,8,9-HxCDF	ng/kg	0.25 U	0.29 U	0.15 U	0.38 U	0.42 U	0.061 U	0.037 U	0.051 U	5.9 U	0.52 U	0.56 U	--	0.087 U	0.053 U	0.18 U
2,3,4,6,7,8-HxCDF	ng/kg	44 U	26 U	3.6 U	66 U	27 U	15 U	0.71 U	1 U	21 U	5.5 U	10 U	--	0.28 U	0.23 U	1.7 U
2,3,4,7,8-PeCDF	ng/kg	0.23 U	0.33 U	0.11 U	0.29 U	0.17 U	0.054 U	0.053 U	0.056 U	1.5 U	0.25 U	0.41 U	--	0.044 U	0.036 U	0.11 U
2,3,7,8-TCDD	ng/kg	0.14 U	0.15 U	0.039 U	0.022 U	0.099 U	0.022 U	0.013 U	0.024 U	1.5 U	0.13 U	0.1 U	--	0.018 U	0.018 U	0.049 U
2,3,7,8-TCDF	ng/kg	0.17 U	0.4 U	0.11 J	0.24 U	0.25 U	0.16 U	0.087 U	0.16 J	1.2 U	0.35 U	0.3 U	--	0.046 U	0.07 U	0.073 U
OCDD	ng/kg	1500	1500	140	2500	1400	270	30	52	1800	370	650	--	4.7 J	1.9 J	110
OCDF	ng/kg	98	57	4.5 J	53	20 J	5 J	0.92 U	2.2 J	42 U	9.8 J	17 J	--	0.18 U	0.15 U	2.9 J
TEQ Avian	ng/kg	3.8	2.8	0.52	5.3	2.2	1.1	0.15	0.32	6.6	1	1.7	0.17	--	0.12	0.34
TEQ Human	ng/kg	6.1	4.4	0.59	8.2	3.8	1.3	0.13	0.22	8.2	1.3	2.3	0.11	--	0.075	0.44
TEQ Mammals	ng/kg	6.1	4.4	0.59	8.2	3.8	1.3	0.13	0.22	8.2	1.3	2.3	0.11	--	0.075	0.44
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.9	9.4	8.7	8.7	8.3	8	9.3	8.4	8.5	8.8	8.5	--	8.6	8.5	8.8
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 UJ	3.3	2.2 U	2 U	2 U	--	2 U	2 U
Arsenic	mg/kg	3	2.9	3.9	2	2.3	1.7	1.3	2.1	19	4.3	2.8	1.4	--	1.4	2.6
Barium	mg/kg	190	170	150	120	150	110	97	140 J	100	130	140	110	--	92	66
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.2	1.1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21	0.2 U	0.2 U	0.26	0.21 U	0.22	0.21 U	0.2 U	20	3	0.96	0.2 U	--	0.2 U	0.2 U
Chromium, total	mg/kg	16	11	16	20	12	12	15	13	360	50	23	13	--	11	9
Cobalt	mg/kg	6.5	6.3	6.9	7.6	7.1	5.7	7	6.2	11	7.7	7.6	7.5	--	6.4	3.3
Copper	mg/kg	12	9.7	8.9	9.6	9	6.7	9	7.3	1300	100	35	8.7	--	7.8	4.7
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.6	3.1	2.5	5.9	3	3	1.6	2.7	110	28	14	2.3	--	2.7	3.9
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.41	180	72	17	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	63	14	1 U	1 U	--	1 U	1 U
Nickel	mg/kg	9.9	8.9	12	12	8.6	7.6	10	8.4	170	17	11	9	--	9.1	5
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	2.3	2.2	2.2	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Vanadium	mg/kg	26	24	30	32	31	23	27	27 J	26	30	31	32	--	27	17
Zinc	mg/kg	40	34	33	62	33	30	31	27	110	61	45	31	--	31	21
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W
	SAMPLE	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117
	DATE	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		2	5	7	0	2	5	9	0	2	5	7	9	9	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	8	1	3	6	10	1	3	6	8	10	10	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	0.5	3	6	10	0.5	3	6	8	10	10	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
4,4-DDE	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.6	2 U	2 U	--	2 U	2 U
4,4-DDT	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 UJ	2 UJ	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Dieldrin	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Endo sulfan II	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Endrin	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.1 UJ	5.2 UJ	5.1 UJ	5.1 U	5.5 U	5.1 U	5.1 U	--	5.1 U	5.1 U
Toxaphene	ug/kg	51 U	50 U	51 U	51 U	52 U	51 UJ	52 UJ	51 U	51 U	55 U	51 U	51 U	--	51 UJ	51 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1221	ug/kg	33 U	33 U	33 U	34 U	34 U	34 U	34 U	34 U	34 U	36 U	34 U	33 U	--	33 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	9 U	8.5 U	8.5 U	--	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	8.2 U	8.2 U	58	17	5.9 U	6 U	59 U	290 U	61 U	5.9 U	56 U	--	59 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	51 U	51 U	15	17	5.1 U	5.2 U	51 U	26 U	5.5 U	5.1 U	5 U	--	51 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	51 U	10	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	51 U	17	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	51 U	8.3	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	51 U	12 J	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U
Chrysene	ug/kg	5.1 U	51 U	51 U	15	15	5.1 U	5.2 U	51 U	26 U	5.5 U	5.1 U	5 U	--	51 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	51 U	5.2 U	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	22	38	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W
	SAMPLE	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117
	DATE	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016
	SAMPLE TOP DEPTH (FT)	2	5	7	0	2	5	9	0	2	5	7	9	9	9	0
	SAMPLE BOTTOM DEPTH (FT)	3	6	8	1	3	6	10	1	3	6	8	10	10	10	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	8	0.5	3	6	10	0.5	3	6	8	10	10	10	0.5
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	51 U	6.2	5.1 U	5.2 U	51 U	260 U	55 U	5.1 U	50 U	--	51 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.1 U	7.4 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	72	157	0	0	0	0	0	0	0	--	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	7.3	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	7.3	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	5.1 U	20	33	5.1 U	5.2 U	5.1 U	26 U	5.5 U	5.1 U	5 U	--	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	170000 U	730 U	670 U	670 U	--	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	17000 U	730 U	670 U	670 U	--	670 U	670 U
4-Chloroaniline	ug/kg	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	17000 U	730 U	670 U	670 U	--	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	660 U	670 U	670 U	680 U	670 U	690 U	670 U	17000 U	730 U	670 U	670 U	--	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	85000 U	360 U	330 U	330 U	--	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	85000 U	360 U	330 U	630	--	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	3300 U	3300 U	340 U	340 U	340 U	340 U	340 U	8500 U	3600 U	330 U	330 U	--	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	43000 U	1800 U	1700 U	1700 U	--	1700 U	1700 U
Phenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W
	SAMPLE	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117
	DATE	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016
SAMPLE TOP DEPTH (FT)		2	5	7	0	2	5	9	0	2	5	7	9	9	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	8	1	3	6	10	1	3	6	8	10	10	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	8	0.5	3	6	10	0.5	3	6	8	10	10	10	0.5
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	630	76	37	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	1.2 U	1.1 UJ	1.1 U	--	1.2 U	1.3 U	1.2 U	--	1.6 U	1.5 U	1.3 U	1.2 U	--	1.2 U	--
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	13	10 U	10 U	10 U	4500	540	230	10 U	--	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1-Dichloroethene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1-Dichloropropene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1,1-Trichloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1,1,2-Tetrachloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1,2-Trichloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,1,2,2-Tetrachloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2-Dibromo-3-chloropropane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2-Dibromoethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2-Dichlorobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2-Dichloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2-Dichloropropane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2,3-Trichlorobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2,3-Trichloropropane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2,4-Trichlorobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,2,4-Trimethylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,3-Dichlorobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,3-Dichloropropane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,3,5-Trimethylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,4-Dichlorobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
4-Isopropyltoluene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Acetone	ug/kg	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U
Acrolein	ug/kg	110 U	110 U	120 U	140 U	120 U	110 U	120 U	110 U	150 U	130 U	100 U	120 U	--	120 U	100 U
Acrylonitrile	ug/kg	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U
Benzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Bromobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Bromochloromethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Bromodichloromethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Bromoform	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Bromomethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Carbon disulfide	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Carbon tetrachloride	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Chloro methane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Chlorobenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Chloroethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Chloroform	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
cis-1,2-Dichloroethene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
cis-1,3-Dichloropropene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-15	AOC14-15	AOC14-15	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16E	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-16W	AOC14-17E	AOC14-17W
	SAMPLE	AOC14-15-8106	AOC14-15-8108	AOC14-15-8109	AOC14-16E-8133	AOC14-16E-8134	AOC14-16E-8135	AOC14-16E-8136	AOC14-16W-8111	AOC14-16W-8112	AOC14-16W-8113	AOC14-16W-8114	AOC14-16W-8115	AOC14-16W-8116	AOC14-17E-8137	AOC14-17W-8117
	DATE	2/18/2016	2/18/2016	2/18/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/22/2016	2/24/2016	2/24/2016
	SAMPLE TOP DEPTH (FT)	2	5	7	0	2	5	9	0	2	5	7	9	9	9	0
	SAMPLE BOTTOM DEPTH (FT)	3	6	8	1	3	6	10	1	3	6	8	10	10	10	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	8	0.5	3	6	10	0.5	3	6	8	10	10	10	0.5
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Dichlorodifluoromethane	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Ethyl- benzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Hexachlorobutadiene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
Isopropylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U
Methyl isobutyl ketone	ug/kg	53 U	56 U	60 U	70 U	62 U	56 U	59 U	54 U	74 U	67 U	52 U	58 U	--	58 U	52 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
N-Butylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
N-Propylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	340 U	340 U	340 U	340 U	340 U	8500 U	360 U	330 U	330 U	--	330 U	340 U
p-Chlorotoluene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
sec-Butylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Styrene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
tert-Butylbenzene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Tetrachloroethene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Toluene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
trans-1,2-Dichloroethene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
trans-1,3-Dichloropropene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Trichloroethene	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Vinyl chloride	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Xylene, m,p-	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Xylene, o-	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U
Xylenes, total	ug/kg	5.3 U	5.6 U	6 U	7 U	6.2 U	5.6 U	5.9 U	5.4 U	7.4 U	6.7 U	5.2 U	5.8 U	--	5.8 U	5.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011
	DATE	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	1	2	5	9	0	2	5	2	3	3	0	2	5	9	14
	SAMPLE BOTTOM DEPTH (FT)	2	3	6	10	1	3	6	3	4	3.25	0.5	3	6	10	15
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3	6	10	15
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	35	14	0.44 U	1.1 U	--	--	--	610	15	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	3.2 J	1 U	0.16 U	0.16 U	--	--	--	390	0.48 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.43 U	0.15 U	0.029 U	0.039 U	--	--	--	29	0.9 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.14 U	0.063 U	0.049 U	0.047 U	--	--	--	110	0.3 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.3 U	0.16 U	0.071 U	0.19 U	--	--	--	23	0.57 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	1 U	0.39 U	0.03 U	0.043 U	--	--	--	60	0.43 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.12 U	0.062 U	0.058 U	0.046 U	--	--	--	110	1.3 U	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.24 U	0.065 U	0.029 U	0.021 U	--	--	--	49 U	0.91 U	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.12 U	0.083 U	0.059 U	0.11 U	--	--	--	92	0.11 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.78 J	0.42 U	0.028 U	0.038 U	--	--	--	52	0.41 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.046 U	0.11 U	0.055 U	0.055 U	--	--	--	11 U	1.1 U	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	3.4 U	1.3 U	0.041 U	0.31 U	--	--	--	220	1 U	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.12 U	0.088 U	0.062 U	0.12 U	--	--	--	190 U	0.12 U	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.049 U	0.087 U	0.086 U	0.037 U	--	--	--	17	0.43 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.043 U	0.11 U	0.19 U	0.2 J	--	--	--	5.8 U	0.66 U	--	--	--	--	--	--
OCDD	ng/kg	270	120	2 J	6.1 J	--	--	--	1800	43	--	--	--	--	--	--
OCDF	ng/kg	6.3 J	2.4 J	0.089 U	0.28 U	--	--	--	79	1.3 U	--	--	--	--	--	--
TEQ Avian	ng/kg	0.61	0.31	0.2	0.32	--	--	--	210	1.3	--	--	--	--	--	--
TEQ Human	ng/kg	0.97	0.4	0.096	0.11	--	--	--	140	1.2	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.97	0.4	0.096	0.11	--	--	--	140	1.2	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8	8.7	8.2	7.8	--	--	--	9.6	9.5	8.88 J	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	19	2.1 U	2.3 U	2 U	2.1 U	2.1 U	2 U	2 U
Arsenic	mg/kg	3.4	2.7	3.1	4.1	4	3.8	4.5	14	2.3	15	5.8	11	8.5	2.6	3.1
Barium	mg/kg	90	130	180	110	250	280	86	410	190	120	190	130	150	180	120
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11 U	2 U	11 U	5.2 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.1 J	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	0.043	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	2.2	0.77	1	1.3	--	0.41 U
Chromium, total	mg/kg	12	13	12	12	14	13	13	380 J	13	26	28	42	42	21	15
Cobalt	mg/kg	4.8	6.4	5	6.2	7.1	7.8	8	17	6.7	11 U	6.8	11 U	6.6	8.5	7.2
Copper	mg/kg	9.2	7.7	10	8.6	13	12	12	1800	19	23 U	44	21 U	19	16 J	9.1
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	0.044 J	--	--
Lead	mg/kg	8.5	3.7	3.4	2.6	14	3.5	4.4	1600 J	6.3	1.1 U	18	7.6	21	--	2.1
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	3	16	1 U	11 U	2 U	11 U	5.2 U	1 U	1 U
Nickel	mg/kg	7.9	8	7.3	8	9.6	9.5	12	270	9.7	4.5	12	12	13	11	11
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11 U	2 U	11 U	5.2 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	23 U	4.1 U	21 U	10 U	2 U	2 U
Vanadium	mg/kg	18	27	24	33	30	30	33	24 J	27	13	28	25	27	--	28
Zinc	mg/kg	26	29	24	29	41	34	36	2000 J	41	11 U	49	34	51	--	35
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	8500	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	37000	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011
	DATE	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	1	2	5	9	0	2	5	2	3	3	0	2	5	9	14
	SAMPLE BOTTOM DEPTH (FT)	2	3	6	10	1	3	6	3	4	3.25	0.5	3	6	10	15
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3	6	10	15
	SAMPLE TYPE															
ANALYTE	UNITS															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	19000	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	7200	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	270	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	2600	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	630	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--	--	--	--
4,4-DDE	ug/kg	2 U	2 U	2 U	2 U	--	--	--	4.4	2.1 U	--	2.9	--	--	--	--
4,4-DDT	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	3	--	--	--	--
Aldrin	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
Dieldrin	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--	--	--	--
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
Endo sulfan II	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--	--	--	--
Endrin	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--	--	--	--
Endrin aldehyde	ug/kg	2 U	2 U	2 U	2 U	--	--	--	2.1 U	2.1 U	--	2 U	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	--	--	--	1 U	1 U	--	1 U	--	--	--	--
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	--	5.1 U	--	--	--	--
Toxaphene	ug/kg	51 UJ	51 U	51 UJ	51 UJ	--	--	--	52 U	52 U	--	51 U	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--	--	--	--
Aroclor 1221	ug/kg	34 U	33 U	34 U	34 U	--	--	--	34 U	34 U	--	34 U	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--	--	--	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	--	--	--	35	17 U	--	17 U	--	--	--	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	--	--	--	17 U	17 U	--	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	8.5 U	--	--	--	35	8.5 U	--	8.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
Anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	22	5.9 U	5.9 U	--	--	--	59	6 U	6.6 U	5.9	6.2 U	14	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	20	5.1 U	5.1 U	--	--	--	12	5.2 U	5.7 UJ	5.1 U	5.4 U	9.5	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	14	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	8.7	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	25	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	12	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	9.4	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	11	5.4 U	12	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	15 J	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	12	5 U	5.1 U
Chrysene	ug/kg	5.1 U	21	5.1 U	5.1 U	--	--	--	16	5.2 U	5.7 UJ	5.1 U	5.4 U	12	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
Fluoranthene	ug/kg	5.1 U	39	5.1 U	5.1 U	--	--	--	17	5.2 U	5.7 UJ	5.9	5.4 U	12	5 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011
	DATE	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	1	2	5	9	0	2	5	2	3	3	0	2	5	9	14
	SAMPLE BOTTOM DEPTH (FT)	2	3	6	10	1	3	6	3	4	3.25	0.5	3	6	10	15
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3	6	10	15
	SAMPLE TYPE															
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	8.1	5.1 U	5.1 U	--	--	--	52 U	5.2 U	5.7 UJ	5.1 U	5.4 U	7.6	5 U	5.1 U
Naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.1 U	5.4 U	5.2 U	5 U	5.1 U
PAH High molecular weight	ug/kg	0	184	0	0	--	--	--	63	0	0	22.8	0	98.8	0	0
PAH Low molecular weight	ug/kg	0	7.1	0	0	--	--	--	0	0	0	5.2	0	0	0	0
Phenanthrene	ug/kg	5.1 U	7.1	5.1 U	5.1 U	--	--	--	5.2 U	5.2 U	5.7 UJ	5.2	5.4 U	5.2 U	5 U	5.1 U
Pyrene	ug/kg	5.1 U	32	5.1 U	5.1 U	--	--	--	18	5.2 U	5.7 UJ	5.9	5.4 U	13	5 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2-Chlorophenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2-Methylphenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2-Nitroaniline	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
2-Nitrophenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
3-Nitroaniline	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	370 UJ	340 U	350 U	340 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	750 UJ	670 U	710 U	690 U	670 U	670 U
4-Chloroaniline	ug/kg	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	370 UJ	340 U	350 U	340 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
4-Methylphenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	430	350 U	340 U	330 U	340 U
4-Nitroaniline	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1900 UJ	1700 U	1800 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	710 U	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1900 UJ	1700 U	1800 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 UJ	680 U	680 U	--	--	--	690 U	690 U	750 UJ	670 U	710 U	690 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Butylbenzylphthalate	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	3400 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Dibenzofuran	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Diethyl phthalate	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Dimethyl phthalate	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Hexachlorobenzene	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Hexachloroethane	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Pentachlorophenol	ug/kg	1700 U	1700 UJ	1700 U	1700 U	--	--	--	1700 U	1700 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
Phenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011
	DATE	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	1	2	5	9	0	2	5	2	3	3	0	2	5	9	14
	SAMPLE BOTTOM DEPTH (FT)	2	3	6	10	1	3	6	3	4	3.25	0.5	3	6	10	15
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3	6	10	15
	SAMPLE TYPE															
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	--	--	--	13	47	10 UJ	34.1	14.1	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	1.2 U	1.4 U	1.4 UJ	--	--	--	1.9 U	1.7 UJ	--	--	1.4 U	1.5 U	0.92 U	1.6 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	--	--	--	79	410	10 UJ	252	64.1	164	26.2	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1-Dichloroethene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1-Dichloropropene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1,1-Trichloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1,1,2-Tetrachloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1,2-Trichloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,1,2,2-Tetrachloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2-Dibromo-3-chloropropane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2-Dibromoethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2-Dichlorobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U
1,2-Dichloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2-Dichloropropane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2,3-Trichlorobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2,3-Trichloropropane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,2,4-Trichlorobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U
1,2,4-Trimethylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,3-Dichlorobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U
1,3-Dichloropropane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,3,5-Trimethylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
1,4-Dichlorobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--
2-Chlorotoluene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	89 U	--	--	--
2,2-Dichloropropane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
2,4,5-Trichlorophenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	1800 UJ	1600 U	1700 U	1700 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
4-Isopropyltoluene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Acetone	ug/kg	62 U	63 U	65 U	62 U	--	--	--	100 UJ	3600 U	--	--	--	--	--	--
Acrolein	ug/kg	120 U	130 U	130 U	120 U	--	--	--	200 U	7300 U	--	--	180 U	130 U	--	170 UJ
Acrylonitrile	ug/kg	62 U	63 U	65 U	62 U	--	--	--	100 U	3600 U	--	--	89 U	65 U	--	86 U
Benzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
bis (2-chloroethyl) ether	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Bromobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Bromochloromethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Bromodichloromethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Bromoform	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Bromomethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Carbon disulfide	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Carbon tetrachloride	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Chloro methane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Chlorobenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Chloroethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Chloroform	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
cis-1,2-Dichloroethene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
cis-1,3-Dichloropropene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	8.9 U	--	--	--
Dibromochloromethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-17W	AOC14-18	AOC14-18	AOC14-18	AOC14-19	AOC14-19	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2	AOC14-2
	SAMPLE	AOC14-17W-8121	AOC14-17W-8118	AOC14-17W-8119	AOC14-17W-8120	AOC14-18-8122	AOC14-18-8123	AOC14-18-8124	AOC14-19-8125	AOC14-19-8126	AOC14-2-8088	AOC14-2-8006	AOC14-2-8007	AOC14-2-8008	AOC14-2-8009	AOC14-2-8011
	DATE	2/24/2016	2/24/2016	2/24/2016	2/24/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	2/17/2016	10/1/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008	9/30/2008
	SAMPLE TOP DEPTH (FT)	1	2	5	9	0	2	5	2	3	3	0	2	5	9	14
	SAMPLE BOTTOM DEPTH (FT)	2	3	6	10	1	3	6	3	4	3.25	0.5	3	6	10	15
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	3	6	10	0.5	3	6	3	4	3.25	0.5	3	6	10	15
	SAMPLE TYPE															
ANALYTE	UNITS															
Dibromomethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Dichlorodifluoromethane	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Ethyl- benzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Hexachlorobutadiene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	370 UJ	340 U	8.9 U	6.5 U	--	8.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	670 U	--	--	--	--
Isophorone	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
Isopropylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	8.9 U	--	--	--
Methyl ethyl ketone	ug/kg	62 U	63 U	65 U	62 U	--	--	--	100 UJ	3600 U	--	--	89 U	65 U	--	86 U
Methyl isobutyl ketone	ug/kg	62 U	63 U	65 U	62 U	--	--	--	100 U	3600 U	--	--	89 U	65 U	--	86 U
Methyl tert-butyl ether (MTBE)	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	8.9 U	--	--	--
Methylene chloride	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
N-Butylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
N-Propylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Nitrobenzene	ug/kg	340 U	330 UJ	340 U	340 U	--	--	--	340 U	340 U	370 UJ	340 U	350 U	340 U	330 U	340 U
p-Chlorotoluene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
sec-Butylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Styrene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
tert-Butylbenzene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Tetrachloroethene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Toluene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
trans-1,2-Dichloroethene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
trans-1,3-Dichloropropene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Trichloroethene	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Vinyl chloride	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	360 U	--	--	8.9 U	6.5 U	--	8.6 U
Xylene, m,p-	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Xylene, o-	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U
Xylenes, total	ug/kg	6.2 U	6.3 U	6.5 U	6.2 U	--	--	--	10 U	8.5 U	--	--	8.9 U	6.5 U	--	8.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016
	DATE	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	8	0	2	5	9	2	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	6.1 J	3.6 J	8.7 J	1.8 U	12 J	89	1.3 U	4.1 J	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	0.79 U	0.64 U	0.73 U	0.61 U	2.5 J	8.6 J	0.25 U	0.61 U	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	0.19 U	0.18 U	0.14 U	0.21 U	0.25 J	--	0.12 U	0.061 U	0.63 J	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	0.21 U	0.11 U	0.18 U	0.1 U	0.38 J	0.48 J	0.067 U	0.047 U	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	0.3 J	0.12 U	0.14 U	0.32 U	0.25 U	0.69 J	0.094 U	0.027 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	0.49 U	0.18 U	0.073 U	0.13 U	0.88 U	2.9 J	0.14 U	0.061 U	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	0.27 U	0.11 U	0.18 U	0.23 U	0.35 J	0.75 J	0.17 U	0.045 U	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	0.089 U	0.15 U	0.1 U	0.34 U	0.45 U	--	0.15 U	0.1 U	0.57 J	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.2 U	0.16 U	0.33 J	0.25 U	0.19 U	0.47 J	0.053 U	0.13 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	0.58 J	0.31 U	0.28 U	0.43 U	0.61 U	1.2 J	0.14 U	0.067 U	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.22 U	0.15 U	0.076 U	0.13 U	0.11 U	0.14 U	0.1 U	0.053 U	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	1.1 U	1.3 U	1.5 U	0.97 U	3.1 U	--	0.43 U	0.75 U	17 U	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	0.2 U	0.13 U	0.17 U	0.082 U	0.26 U	--	0.053 U	0.14 U	0.34 U	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.042 U	0.044 U	0.056 U	0.07 U	0.1 U	0.073 U	0.064 U	0.052 U	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.045 U	0.094 U	0.53 J	0.061 U	0.32 J	0.085 U	0.047 U	0.11 U	--	--	--	--	--	--
OCDD	ng/kg	--	40	22 J	66	15 J	82	780	10 U	39	--	--	--	--	--	--
OCDF	ng/kg	--	1.2 J	1.1 J	1.4 U	1.2 U	3.7 U	--	0.43 U	1.8 J	23 J	--	--	--	--	--
TEQ Avian	ng/kg	--	0.37	0.33	0.86	0.4	1.1	2.2	0.21 U	0.27	--	--	--	--	--	--
TEQ Human	ng/kg	--	0.36	0.29	0.4	0.35	0.85	3.2	0.19 U	0.22	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	0.36	0.29	0.4	0.35	0.85	3.2	0.19 U	0.22	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
Arsenic	mg/kg	--	1.5	1 U	1.6	1 U	1 U	1.5	1.1	1	--	3.7	3.3	3.4	2.1	2.7
Barium	mg/kg	--	120	140	130	68	140	--	60	98	130	140	90	130	140	110
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.4 U	0.41 U	0.88	0.4 U	0.4 U
Chromium, total	mg/kg	--	14	12	14	9.9	15	17	13	14	--	31	26	32	19	17
Cobalt	mg/kg	--	6.7	5.8	6.8	5.7	7	--	5.7	6.7	7.9	7.5	8.1	6.6	7.5	7.6
Copper	mg/kg	--	9	7.1	11	6.5	10	12	40	8.1	--	12	13	11	7.1	12
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	1.9	5.6	3.4	2.6	1.1	11	9.8	1.4	2	--	8.4	6.4	9	2	2.2
Mercury	mg/kg	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.6	1 U	2.1	1 U	1 U
Nickel	mg/kg	--	9	7.6	9	7.1	9	--	8	9.2	9.7	11	13	11	10	11
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	33	25	25	26	23	26	--	24	25	29	30	34	26	30	29
Zinc	mg/kg	41	37	31	29	24	41	--	39	30	45	52	46	40	33	32
Metals CLP																
Aluminum	mg/kg	--	7700	--	--	--	--	--	--	--	--	8800	--	--	--	--
Calcium	mg/kg	--	21000	--	--	--	--	--	--	--	--	20000	--	--	--	--
Cyanide	mg/kg	--	0.1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016
	DATE	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	8	0	2	5	9	2	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	16000	--	--	--	--	--	--	--	--	20000	--	--	--	--
Magnesium	mg/kg	--	6700	--	--	--	--	--	--	--	--	7200	--	--	--	--
Manganese	mg/kg	--	230	--	--	--	--	--	--	--	--	290	--	--	--	--
Potassium	mg/kg	--	2700	--	--	--	--	--	--	--	--	2800 J	--	--	--	--
Sodium	mg/kg	--	190	--	--	--	--	--	--	--	--	350	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
4,4-DDE	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
4,4-DDT	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Dieldrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Endo sulfan II	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endosulfan sulfate	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin aldehyde	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Endrin ketone	ug/kg	--	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	--	1 U	--	--	--	--
Methoxy chlor	ug/kg	--	5 U	--	--	--	--	--	--	--	--	5 U	--	--	--	--
Toxaphene	ug/kg	--	50 U	--	--	--	--	--	--	--	--	50 U	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	33 U	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	8.5 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
Acenaphthene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
Acenaphthylene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
Anthracene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	--	380 U	--	--	--	--	--	--	--	--	16	6.1	6.1	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	15	5 U	5 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	10	5 U	5 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	15	5.2	5.5	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	7.1	5 U	5 U	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	12	5 U	5 U	5 U	5.1 U
Chrysene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	18	6.1	5.4	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
Fluoranthene	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	22	5 U	6.6	5 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016
	DATE	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	8	0	2	5	9	2	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	**UNITS**															
Fluorene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	6.1	5 U	5 U	5 U	5.1 U
Naphthalene	ug/kg	--	6.5 U	--	--	--	--	--	--	--	--	5 U	5 U	5 U	4.5 U	4.9 U
PAH High molecular weight	ug/kg	--	0	--	--	--	--	--	--	--	--	125	16.9	24.6	0	0
PAH Low molecular weight	ug/kg	--	0	--	--	--	--	--	--	--	--	6	0	0	0	0
Phenanthrene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	6	5 U	5 U	5 U	5.1 U
Pyrene	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	20	5.6	7.1	5 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--	--	--
2-Chloro naphthalene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	1700 R	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	660 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	660 U	--	--	--	--	--	--	--	--	660 U	670 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	--	660 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	--	1700 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 R	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Atrazine	ug/kg	--	700 U	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Benzaldehyde	ug/kg	--	700 UJ	--	--	--	--	--	--	--	--	700 U	--	--	--	--
Benzoic acid	ug/kg	--	1700 R	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	660 U	--	--	--	--	--	--	--	--	660 U	670 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	330 U	--	--	--	--	--	--	--	--	640	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	330 U	--	--	--	--
Carbazole	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	--	1700 UJ	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016
	DATE	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	8	0	2	5	9	2	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	10 U	10 UJ
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	1 U	0.91 U	1.1 U	1.1 UJ
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	10.9	10 U	11.6	10 U	10 UJ
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1-Dichloroethene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1-Dichloropropene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1,1-Trichloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1,1,2-Tetrachloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1,2-Trichloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,1,2,2-Tetrachloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2-Dibromo-3-chloropropane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2-Dibromoethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2-Dichlorobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U
1,2-Dichloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2-Dichloropropane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2,3-Trichlorobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2,3-Trichloropropane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,2,4-Trichlorobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U
1,2,4-Trimethylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,3-Dichlorobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U
1,3-Dichloropropane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,3,5-Trimethylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
1,4-Dichlorobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U
1,4-Dioxane	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	--	--	--	--
2-Chlorotoluene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
2-Hexanone	ug/kg	--	70 UJ	--	--	--	--	--	--	--	--	--	51 U	--	--	--
2,2-Dichloropropane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
2,4,5-Trichlorophenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Acetone	ug/kg	--	65 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	120 U	130 U	--	--	--	--	--	--	--	--	--	100 U	100 U	89 U	98 U
Acrylonitrile	ug/kg	59 U	65 U	--	--	--	--	--	--	--	--	--	51 U	51 U	45 U	49 U
Benzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
bis (2-chloroethyl) ether	ug/kg	--	330 UJ	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Bromochloromethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Bromodichloromethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Bromoform	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Bromomethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Carbon disulfide	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Carbon tetrachloride	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Chloro methane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Chlorobenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Chloroethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Chloroform	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
cis-1,2-Dichloroethene	ug/kg	5.9 U	6.5 UJ	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
cis-1,3-Dichloropropene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	5.1 U	--	--	--
Dibromochloromethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-2	AOC14-20	AOC14-20	AOC14-20	AOC14-20	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-21	AOC14-3	AOC14-3	AOC14-3	AOC14-3	AOC14-3
	SAMPLE	AOC14-2-8010	AOC14-20-8138	AOC14-20-8139	AOC14-20-8140	AOC14-20-8141	AOC14-21-8142	AOC14-21-8144	AOC14-21-8145	AOC14-21-8146	AOC14-21-8143	AOC14-3-8012	AOC14-3-8013	AOC14-3-8014	AOC14-3-8015	AOC14-3-8016
	DATE	9/30/2008	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	4/26/2017	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		9	0	2	5	8	0	2	5	9	2	0	2	5	9	14
SAMPLE BOTTOM DEPTH (FT)		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		10	0.5	3	6	9	0.5	3	6	10	3	0.5	3	6	10	15
SAMPLE TYPE		Field Duplicate						Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Dichlorodifluoromethane	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Ethyl- benzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Hexachlorobutadiene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	330 U	5.1 U	5.1 U	4.5 U	4.9 U
Hexachlorocyclopentadiene	ug/kg	--	660 R	--	--	--	--	--	--	--	--	660 U	--	--	--	--
Isophorone	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Methyl acetate	ug/kg	--	7 UJ	--	--	--	--	--	--	--	--	--	5.1 U	--	--	--
Methyl ethyl ketone	ug/kg	59 U	65 U	--	--	--	--	--	--	--	--	--	51 U	51 U	45 U	49 U
Methyl isobutyl ketone	ug/kg	59 U	65 U	--	--	--	--	--	--	--	--	--	51 U	51 U	45 U	49 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Methylcyclohexane	ug/kg	--	7 UJ	--	--	--	--	--	--	--	--	--	5.1 U	--	--	--
Methylene chloride	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
N-Butylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
N-Propylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Nitrobenzene	ug/kg	--	330 U	--	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
sec-Butylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Styrene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
tert-Butylbenzene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Tetrachloroethene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Toluene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
trans-1,2-Dichloroethene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
trans-1,3-Dichloropropene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Trichloroethene	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Vinyl chloride	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Xylene, m,p-	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Xylene, o-	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U
Xylenes, total	ug/kg	5.9 U	6.5 U	--	--	--	--	--	--	--	--	--	5.1 U	5.1 U	4.5 U	4.9 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	9	0	2	5	9	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	4.5	4.5	4.1	--	3.4	3.1	6.8	9	3.2	2.8	3.2	5	6	3.4	--
Barium	mg/kg	99	130	110	--	130	96	300	240	240	110	90	120	210	140	120
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	--	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	0.41 U
Chromium, total	mg/kg	13	16	16	8.2	15	--	15	17	15	15	16	11	23	18	18
Cobalt	mg/kg	4.3	4.4	4.4	3.4	6.4	--	6.8	6.1	7.3	7.6	6.8	4	7.8	7.7	--
Copper	mg/kg	7.3	6.2	5.3	2.9	7.9	--	9.6	16	7.9	9.5	7.3	6.1	9.5	9.1	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	7.2	3.5	3.5	--	2.2	2.9	5.3	16	2.7	2.3	2.2	7.4	3.3	2.3	2.4
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.099 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
Molybdenum	mg/kg	1 U	1.5	1.5	1.2	1 U	--	2 U	2 U	1 U	1 U	1 U	1.2	2.4	1 U	1 U
Nickel	mg/kg	7.1	7.6	7.3	4.8	10	--	10	13	10	10	12	7	11	11	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	--	4 U	4 U	2 U	2 U	2 U	2 U	4 U	2 U	2 U
Vanadium	mg/kg	20	21	21	19	27	--	29	28	28	30	28	20	34	31	33
Zinc	mg/kg	31	23	23	16	29	--	35	46	35	35	30	35	37	35	39
Metals CLP																
Aluminum	mg/kg	5400	--	--	--	--	--	9000	--	--	--	--	--	--	--	--
Calcium	mg/kg	12000	--	--	--	--	--	31000	--	--	--	--	--	--	--	--
Cyanide	mg/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	9	0	2	5	9	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
SAMPLE TYPE							Field Duplicate									
ANALYTE	**UNITS**															
Iron	mg/kg	11000	--	--	--	--	--	17000	--	--	--	--	--	--	--	--
Magnesium	mg/kg	4300	--	--	--	--	--	7000	--	--	--	--	--	--	--	--
Manganese	mg/kg	170	--	--	--	--	--	260	--	--	--	--	--	--	--	--
Potassium	mg/kg	1600	--	--	--	--	--	2500	--	--	--	--	--	--	--	--
Sodium	mg/kg	340	--	--	--	--	--	390	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Aldrin	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	2 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	--	--	--	--	--	1 U	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	5 U	--	--	--	--	--	5 U	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	50 U	--	--	--	--	--	50 U	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	33 U	--	--	--	--	--	33 U	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	--	--	--	--	--	17 U	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	--	--	--	--	--	8.5 U	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	5.9 U	5.8 U	5.8 U	5.9 U	--	5.8 U	17	5.8 U	5.8 U	5.9 U	6.2	5.8 U	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.6	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	9.5	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	31	5 U	5 U	5.1 U	5.9 J	5 U	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	14	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	22	5 U	5 U	5.1 U	5.9 J	5 U	5 U	5.1 U
Chrysene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	24	5 U	5 U	5.1 U	5.2 J	5 U	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Fluoranthene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	27	5 U	5 U	5.1 U	5.9 J	5 U	5 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	9	0	2	5	9	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	12	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Naphthalene	ug/kg	5 U	4.6 U	4.5 U	3.9 U	4.5 U	--	5 U	4.6 U	4.9 U	4.2 U	4 U	5 U	4.6 U	5 U	--
PAH High molecular weight	ug/kg	0	0	0	0	0	--	0	166	0	0	0	28.2	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	--	0	11	0	0	0	0	0	0	0
Phenanthrene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	11	5 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U
Pyrene	ug/kg	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	21	5 U	5 U	5.1 U	5.3 J	5 U	5 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	660 U	--	670 U	660 U	660 U	1700 U	660 U	660 U	670 U	660 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Atrazine	ug/kg	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	700 U	--	--	--	--	--	700 U	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	4100 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	660 U	--	670 U	660 U	660 U	1700 U	660 U	660 U	670 U	660 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--
Carbazole	ug/kg	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	9	0	2	5	9	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U	10 U	10 U	10 J	17	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	0.94 U	0.95 U	--	1 U	0.83 U	--	0.88 U	0.98 U	0.79 U	0.95 U	--	1.1 U	0.92 U	0.82 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10.3	10 U	10 U	10 J	67.4	10.6	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1-Dichloroethene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1-Dichloropropene	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1,1-Trichloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1,2-Trichloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2-Dibromoethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2-Dichlorobenzene	ug/kg	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U	--
1,2-Dichloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2-Dichloropropane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2,3-Trichlorobenzene	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2,3-Trichloropropane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,2,4-Trichlorobenzene	ug/kg	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U	--
1,2,4-Trimethylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,3-Dichlorobenzene	ug/kg	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U	--
1,3-Dichloropropane	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,3,5-Trimethylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
1,4-Dichlorobenzene	ug/kg	330 U	4.6 U	4.5 UJ	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U	--
1,4-Dioxane	ug/kg	330 U	--	--	--	--	--	330 U	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
2-Hexanone	ug/kg	--	46 U	--	--	--	--	--	46 U	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Acetone	ug/kg	--	--	--	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U	--
Acrolein	ug/kg	--	93 U	90 UJ	78 U	90 U	--	--	93 U	98 U	85 U	80 U	--	91 U	110 U	--
Acrylonitrile	ug/kg	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U	--
Benzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Bromochloromethane	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Bromodichloromethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Bromoform	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Bromomethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Carbon disulfide	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Carbon tetrachloride	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Chloro methane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Chlorobenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Chloroethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Chloroform	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
cis-1,2-Dichloroethene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
cis-1,3-Dichloropropene	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Cyclohexane	ug/kg	--	4.6 U	--	--	--	--	--	4.6 U	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-4	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-5	AOC14-6	AOC14-6	AOC14-6	AOC14-6
	SAMPLE	AOC14-4-8017	AOC14-4-8018	AOC14-4-8019	AOC14-4-8020	AOC14-4-8022	AOC14-4-8021	AOC14-5-8023	AOC14-5-8024	AOC14-5-8025	AOC14-5-8026	AOC14-5-8027	AOC14-6-8028	AOC14-6-8029	AOC14-6-8030	AOC14-6-8031
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		0	2	5	9	14	9	0	2	5	9	14	0	2	5	9
SAMPLE BOTTOM DEPTH (FT)		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	10	15	10	0.5	3	6	10	15	0.5	3	6	10
SAMPLE TYPE							Field Duplicate									
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Dichlorodifluoromethane	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Ethyl- benzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Hexachlorobutadiene	ug/kg	330 U	4.6 U	4.5 U	3.9 U	4.5 U	--	330 U	4.6 U	4.9 U	4.2 U	4 U	330 U	4.6 U	5.3 U	--
Hexachlorocyclopentadiene	ug/kg	660 U	--	--	--	--	--	660 U	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Methyl acetate	ug/kg	--	4.6 U	--	--	--	--	--	4.6 U	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U	--
Methyl isobutyl ketone	ug/kg	--	46 U	45 UJ	39 U	45 U	--	--	46 U	49 U	42 U	40 U	--	46 U	53 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Methylcyclohexane	ug/kg	--	4.6 U	--	--	--	--	--	4.6 U	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
N-Butylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
N-Propylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	--	330 U	830 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
sec-Butylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Styrene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
tert-Butylbenzene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Tetrachloroethene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Toluene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
trans-1,2-Dichloroethene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
trans-1,3-Dichloropropene	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Trichloroethene	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	4.6 U	4.5 U	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Vinyl chloride	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Xylene, m,p-	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Xylene, o-	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--
Xylenes, total	ug/kg	--	4.6 U	4.5 UJ	3.9 U	4.5 U	--	--	4.6 U	4.9 U	4.2 U	4 U	--	4.6 U	5.3 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE			Field Duplicate											Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 UJ	--	2 U	2 U
Arsenic	mg/kg	3.3	2.8	5	5	5.3	3.9	3.7	6.8	6.9	2.8	3.3	4.7	--	5.3	6.3
Barium	mg/kg	110	--	160	170	210	120	150	110	93	210	--	73 J	92	140	170
Beryllium	mg/kg	1 U	--	1 U	1 U	2 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	--	1 U	2 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	--	0.4 U	0.41 U	0.41 U	0.4 U	0.4 U	0.4 U	0.41 U	0.4 U	0.4 U	0.41 U	--	0.4 U	0.41 U
Chromium, total	mg/kg	16	--	15	13	18	26	25	12	15	18	19	23 J	--	13	12
Cobalt	mg/kg	5.9	8.4	4.7	6.1	7.5	10	6.5	4.9	5.5	8.6	8.5	9.7	--	4.8	4.8
Copper	mg/kg	7.2	9.7	7.4	10	10	14	9.9	7.9	8.8	6.6	12	18	--	7.6	7.2
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.2	--	6.1	7.1	4.8	2.9	3.5	6.4	6.8	2.4	--	3.7	3	5.4	6
Mercury	mg/kg	0.1 U	--	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	--	1 U	1 U	2 U	1 U	2.4	2 U	2 U	1 U	1 U	1 U	--	1 U	2 U
Nickel	mg/kg	9.3	--	9.6	9.3	12	16	11	9.4	11	11	13	16	--	9.5	9.1
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	--	1 U	1 U	2 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	--	1 U	2 U
Thallium	mg/kg	2 U	--	2 U	2 U	4 U	2 U	2 U	4 U	4 U	2 U	2 U	2.1 U	--	2 U	4 U
Vanadium	mg/kg	25	--	25	23	30	38	25	24	26	35	--	36 J	35	23	23
Zinc	mg/kg	28	--	31	30	35	46	32	30	31	39	--	42 J	39	28	29
Metals CLP																
Aluminum	mg/kg	--	--	6800	--	--	--	--	6500	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	23000	--	--	--	--	32000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE			Field Duplicate											Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	13000	--	--	--	--	14000	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	6100	--	--	--	--	6600	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	250	--	--	--	--	260	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	1500	--	--	--	--	1400	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	600	--	--	--	--	340	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	2 U	--	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	--	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	5.1 U	--	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	51 U	--	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	33 U	--	--	--	--	33 U	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	8.5 U	--	--	--	--	8.5 U	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Acenaphthene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Acenaphthylene	ug/kg	5 U	--	5.1 U	6.8	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Anthracene	ug/kg	5 U	--	5.1 U	17	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	--	5.9	11	5.9 U	5.9 U	5.8 U	5.8 U	5.9 U	29	5.8 U	5.9 U	--	5.8 U	5.9 U
Benzo (a) anthracene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	13	5 U	5.1 U	--	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	--	5.1 U	5.9	5.1 U	5.1 U	5 U	5 U	5.1 U	12	5 U	5.1 U	--	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	--	5.1 U	16	5.1 U	5.1 U	5 U	5 U	5.1 U	13	5 U	5.1 U	--	5 U	5.1 U
Benzo (ghi) perylene	ug/kg	5 U	--	5.1 U	17	5.1 U	5.1 U	5 U	5 U	5.1 U	12	5 U	5.1 U	--	5 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5 U	--	5.1 U	10	5.1 U	5.1 U	5 U	5 U	5.1 U	14	5 U	5.1 U	--	5 U	5.1 U
Chrysene	ug/kg	5 U	--	7.7	10	5.1 U	5.1 U	5 U	5 U	5.1 U	14	5 U	5.1 U	--	5 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	13	5 U	5.1 U	--	5 U	5.1 U
Fluoranthene	ug/kg	5 U	--	5.1 U	6.6	5.1 U	5.1 U	5 U	5 U	5.1 U	5.1	5 U	5.1 U	--	5 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE			Field Duplicate											Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	--	5.1 U	10	5.1 U	5.1 U	5 U	5 U	5.1 U	12	5 U	5.1 U	--	5 U	5.1 U
Naphthalene	ug/kg	4.3 U	4.2 U	5.1 U	4.1 U	4.6 U	4.8 U	4.6 U	5 U	4.7 U	4.6 U	4.5 U	4.9 U	--	5 U	5.1 U
PAH High molecular weight	ug/kg	0	--	7.7	82.1	0	0	0	0	0	114	0	0	--	0	0
PAH Low molecular weight	ug/kg	0	--	0	23.8	0	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5 U	--	5.1 U	5 U	5.1 U	5.1 U	5 U	5 U	5.1 U	5 U	5 U	5.1 U	--	5 U	5.1 U
Pyrene	ug/kg	5 U	--	5.1 U	6.6	5.1 U	5.1 U	5 U	5 U	5.1 U	5.7	5 U	5.1 U	--	5 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2-Chlorophenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2-Methylphenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2-Nitroaniline	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
3-Nitroaniline	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	--	1700 U	1700 U	670 U	670 U	660 U	660 U	670 U	660 U	660 U	680 U	--	660 U	670 U
4-Chloroaniline	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Methylphenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Nitroaniline	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	--	4200 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	1800 U	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	--	4200 U	4100 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	--	1700 U	1700 U	670 U	670 U	660 U	660 U	670 U	660 U	660 U	680 U	--	660 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Caprolactam	ug/kg	--	--	830 U	--	--	--	--	330 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	830 U	--	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Dibenzofuran	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Diethyl phthalate	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Hexachloroethane	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Pentachlorophenol	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
Phenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE			Field Duplicate											Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 J	--	10 U	10 U	10 U	10 U	10 J	10 U	10 U	10 U	10 U	10 UJ	--	10 U	10 U
TPH as gasoline	mg/kg	1 U	--	--	0.84 U	0.86 U	0.96 U	0.89 U	--	0.96 U	0.86 U	0.8 U	0.9 U	--	--	0.79 U
TPH as motor oil	mg/kg	10 J	--	21.1	14.3	10 U	14.8	11.4 J	10 U	10 U	10 U	10 U	10 UJ	--	57.5 J	22.1 J
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1-Dichloroethene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1-Dichloropropene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,1-Trichloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,1,2-Tetrachloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,2-Trichloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,1,2,2-Tetrachloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dibromo-3-chloropropane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dibromoethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dichlorobenzene	ug/kg	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,2-Dichloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2-Dichloropropane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2,3-Trichlorobenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2,3-Trichloropropane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,2,4-Trichlorobenzene	ug/kg	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,2,4-Trimethylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,3-Dichlorobenzene	ug/kg	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,3-Dichloropropane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,3,5-Trimethylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
1,4-Dichlorobenzene	ug/kg	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
1,4-Dioxane	ug/kg	--	--	830 U	--	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
2-Hexanone	ug/kg	--	--	--	41 U	--	--	--	--	47 U	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
2,4,5-Trichlorophenol	ug/kg	1600 U	--	4000 U	4000 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
4-Isopropyltoluene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Acetone	ug/kg	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	--
Acrolein	ug/kg	86 U	83 U	--	83 U	92 U	97 U	92 U	--	95 U	93 U	89 U	99 U	--	--	160 U
Acrylonitrile	ug/kg	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	80 U
Benzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
bis (2-chloroethyl) ether	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Bromobenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromochloromethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromodichloromethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromoform	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Bromomethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Carbon disulfide	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Carbon tetrachloride	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chloro methane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chlorobenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chloroethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Chloroform	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
cis-1,2-Dichloroethene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
cis-1,3-Dichloropropene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Cyclohexane	ug/kg	--	--	--	4.1 U	--	--	--	--	4.7 U	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-6	AOC14-6	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-7	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-8	AOC14-9	AOC14-9
	SAMPLE	AOC14-6-8033	AOC14-6-8032	AOC14-7-8034	AOC14-7-8035	AOC14-7-8036	AOC14-7-8037	AOC14-7-8038	AOC14-8-8039	AOC14-8-8040	AOC14-8-8041	AOC14-8-8042	AOC14-8-8044	AOC14-8-8043	AOC14-9-8045	AOC14-9-8046
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/1/2008	10/1/2008
SAMPLE TOP DEPTH (FT)		14	9	0	2	5	9	14	0	2	5	9	14	9	0	2
SAMPLE BOTTOM DEPTH (FT)		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		15	10	0.5	3	6	10	15	0.5	3	6	10	15	10	0.5	3
SAMPLE TYPE			Field Duplicate											Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Dichlorodifluoromethane	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Ethyl- benzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Hexachlorobutadiene	ug/kg	4.3 U	4.2 U	830 U	4.1 U	4.6 U	4.8 U	4.6 U	330 U	4.7 U	4.6 U	4.5 U	4.9 U	--	330 U	8 U
Hexachlorocyclopentadiene	ug/kg	--	--	1700 U	--	--	--	--	660 U	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
Isopropylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Methyl acetate	ug/kg	--	--	--	4.1 U	--	--	--	--	4.7 U	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	80 U
Methyl isobutyl ketone	ug/kg	43 U	42 U	--	41 U	46 U	48 U	46 U	--	47 U	46 U	45 U	49 U	--	--	80 U
Methyl tert-butyl ether (MTBE)	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Methylcyclohexane	ug/kg	--	--	--	4.1 U	--	--	--	--	4.7 U	--	--	--	--	--	--
Methylene chloride	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
N-Butylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
N-Propylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Nitrobenzene	ug/kg	330 U	--	830 U	830 U	330 U	340 U	330 U	330 U	330 U	330 U	330 U	340 U	--	330 U	330 U
p-Chlorotoluene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
sec-Butylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Styrene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
tert-Butylbenzene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Tetrachloroethene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Toluene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
trans-1,2-Dichloroethene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
trans-1,3-Dichloropropene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Trichloroethene	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Trichlorofluoromethane (Freon 11)	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Vinyl chloride	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Xylene, m,p-	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Xylene, o-	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U
Xylenes, total	ug/kg	4.3 U	4.2 U	--	4.1 U	4.6 U	4.8 U	4.6 U	--	4.7 U	4.6 U	4.5 U	4.9 U	--	--	8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
	SAMPLE TYPE														Field Duplicate	
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U
Arsenic	mg/kg	3	4.4	6.2	5	7.2	6	2.8	3.1	4.8	7	7	4.6	3.3	--	5.4
Barium	mg/kg	61	220	120 J	150	150	240	120	110	160	160	150	130	--	130	190
Beryllium	mg/kg	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	--	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.41 U	0.41 U	0.41 U	0.46	0.41 U	0.4 U	0.41 U	0.4 U	0.41 U	0.41 U	0.41 U	0.4 U	--	0.4 U
Chromium, total	mg/kg	9	15	13	15	22	18	17	13	14	14	10	9.5	--	18	17
Cobalt	mg/kg	2.8	5.5	5.9	5.2	5.7	6.7	7	6.7	4.8	4.9	4.2	4.2	--	7.3	7.1
Copper	mg/kg	4.1	7.6	8.2	9.4	15	15	7.4	9	8.8	7.6	6.5	6.7	9.6	--	11
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.8	3.6	5	7.2	11	4.8	1.6	2.6	4.8	5.5	5.5	5.3	3	--	3.8
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1.1	2 U	2 U	1 U	1 U	--	1 U
Nickel	mg/kg	5	9.1	9.4	8.8	13	12	10	10	10	9.4	8.2	8.1	13	--	10
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Silver	mg/kg	1 U	1 U	2 U	1 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	--	1 U
Thallium	mg/kg	2 U	2 U	4.1 U	2 U	4 U	4.1 U	2 U	2 U	2 U	4 U	4.1 U	2 U	2 U	--	2 U
Vanadium	mg/kg	13	23	22	23	23	25	26	27	24	22	19	18	--	28	30
Zinc	mg/kg	13	29	32	34	32	35	33	31	27	29	25	24	--	33	35
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
SAMPLE TYPE															Field Duplicate	
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Acenaphthene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Acenaphthylene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.9 U	6.8	5.9 U	5.9 U	5.8 U	5.9 U	29	5.9 U	5.9 U	5.9 U	5.9 U	--	5.8 U
Benzo (a) anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (a) pyrene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5.1 U	11 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (ghi) perylene	ug/kg	5 U	5 U	5.1 U	5.3 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5.1 U	9.8 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Chrysene	ug/kg	5 U	5 U	5.1 U	11 J	5.1 U	5.1 U	5 U	5.1 U	26	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Fluoranthene	ug/kg	5 U	5 U	5.1 U	8.1 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
SAMPLE TYPE															Field Duplicate	
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Naphthalene	ug/kg	4.9 U	4.4 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	4.3 U	25 U	5.1 U	5.1 U	5.1 U	--	4.2 U	5 U
PAH High molecular weight	ug/kg	0	0	0	52.3	0	0	0	0	26	0	0	0	0	--	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Phenanthrene	ug/kg	5 U	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Pyrene	ug/kg	5 U	5 U	5.1 U	7.1 J	5.1 U	5.1 U	5 U	5.1 U	25 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2-Chlorophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	6600 U	670 U	670 U	670 U	670 U	--	660 U
4-Chloroaniline	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
4-Methylphenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	17000 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	17000 U	1700 U	1700 U	1700 U	1700 U	--	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	670 U	670 U	670 U	670 U	670 U	670 U	6600 U	670 U	670 U	670 U	670 U	--	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Butylbenzylphthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Dibenzofuran	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Diethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Dimethyl phthalate	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Hexachlorobenzene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Hexachloroethane	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
Phenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008
	SAMPLE TOP DEPTH (FT)	5	9	14	0	2	5	9	14	0	2	5	9	14	14	0
	SAMPLE BOTTOM DEPTH (FT)	6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
	SAMPLE TYPE														Field Duplicate	
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	11 J	10 UJ	10 UJ	10 UJ	10 UJ	--	30.4 J
TPH as gasoline	mg/kg	0.89 UJ	0.91 U	0.94 UJ	--	0.97 U	1 UJ	1.1 UJ	1 UJ	--	0.99 U	0.98 U	0.92 U	--	0.92 U	--
TPH as motor oil	mg/kg	57 J	14 J	10 UJ	10 UJ	56.7 J	38.9 J	10 UJ	10 UJ	134 J	28.2 J	10.9 J	10 UJ	10 UJ	--	172 J
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1-Dichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1-Dichloropropene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1,1-Trichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1,1,2-Tetrachloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1,2-Trichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,1,2,2-Tetrachloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2-Dibromo-3-chloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2-Dibromoethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2-Dichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U
1,2-Dichloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2-Dichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2,3-Trichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2,3-Trichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,2,4-Trichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U
1,2,4-Trimethylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,3-Dichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U
1,3-Dichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,3,5-Trimethylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
1,4-Dichlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	16000 U	1600 U	1600 U	1600 U	1600 U	--	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
4-Isopropyltoluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Acetone	ug/kg	49 U	44 U	--	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--
Acrolein	ug/kg	97 U	87 U	110 U	--	120 U	110 U	120 U	87 U	--	120 U	120 U	100 U	--	84 U	--
Acrylonitrile	ug/kg	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--
Benzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Bromobenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Bromochloromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Bromodichloromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Bromoform	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Bromomethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Carbon disulfide	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Carbon tetrachloride	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Chloro methane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Chlorobenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Chloroethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Chloroform	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
cis-1,2-Dichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
cis-1,3-Dichloropropene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-9	AOC14-9	AOC14-9	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-1	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-2	AOC14-SS-3
	SAMPLE	AOC14-9-8047	AOC14-9-8048	AOC14-9-8049	AOC14-SS-1-8066	AOC14-SS-1-8067	AOC14-SS-1-8068	AOC14-SS-1-8069	AOC14-SS-1-8070	AOC14-SS-2-8071	AOC14-SS-2-8072	AOC14-SS-2-8073	AOC14-SS-2-8074	AOC14-SS-2-8075	AOC14-SS-2-8076	AOC14-SS-3-8077
	DATE	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/2/2008
SAMPLE TOP DEPTH (FT)		5	9	14	0	2	5	9	14	0	2	5	9	14	14	0
SAMPLE BOTTOM DEPTH (FT)		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	15	0.5	3	6	10	15	0.5	3	6	10	15	15	0.5
SAMPLE TYPE															Field Duplicate	
ANALYTE	UNITS															
Dibromomethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Dichlorodifluoromethane	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Ethyl- benzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Hexachlorobutadiene	ug/kg	4.9 U	4.4 U	5.3 U	330 U	5.9 U	5.3 U	6.1 U	4.3 U	3300 U	6.1 U	6.2 U	5.1 U	--	4.2 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
Isopropylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--
Methyl isobutyl ketone	ug/kg	49 U	44 U	53 U	--	59 U	53 U	61 U	43 U	--	61 U	62 U	51 U	--	42 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
N-Butylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
N-Propylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Nitrobenzene	ug/kg	330 U	330 U	340 U	330 U	340 U	340 U	330 U	340 U	3300 U	330 U	340 U	340 U	330 U	--	330 U
p-Chlorotoluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
sec-Butylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Styrene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
tert-Butylbenzene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Tetrachloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Toluene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
trans-1,2-Dichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
trans-1,3-Dichloropropene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Trichloroethene	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Vinyl chloride	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Xylene, m,p-	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Xylene, o-	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--
Xylenes, total	ug/kg	4.9 U	4.4 U	5.3 U	--	5.9 U	5.3 U	6.1 U	4.3 U	--	6.1 U	6.2 U	5.1 U	--	4.2 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18
	SAMPLE	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	0	2	5	9	14	14	2	0	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	0.5	3	6	10	15	15	3	1	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5
SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	1.4 U	--	--	--	280
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.43 U	--	--	--	1.3 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.093 U	--	--	--	1.7 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.059 U	--	--	--	1.4 J
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.1 U	--	--	--	1.5 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.095 U	--	--	--	7.8 J
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.058 U	--	--	--	2.1 J
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.073 U	--	--	--	0.53 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.06 U	--	--	--	0.47 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.09 U	--	--	--	4.9 J
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.15 U	--	--	--	0.68 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.062 U	--	--	--	65 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.063 U	--	--	--	0.88 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	0.053 U	--	--	--	0.14 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.15 U	--	--	--	0.68 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	11 J	--	--	--	3300
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	0.32 U	--	--	--	110
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	0.2	--	--	--	6
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	0.12	--	--	--	9.3
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	0.12	--	--	--	9.3
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	9	9.1	8.5	8	8.4
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2 U	2 U
Arsenic	mg/kg	4	2.9	3	3.2	5	5	4.5	3	2.7	--	4	3.1	2	1.2	2.6
Barium	mg/kg	180	100	160	89	190	130	120	120	120	--	160	130	90	98	110
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U	--	0.2 U	0.35	0.2 U	0.2 U	0.3
Chromium, total	mg/kg	18	12	16	17	15	14	16	16	17	--	11	17	17	13	15
Cobalt	mg/kg	8.3	5.4	7	8.9	6.3	4.4	4.1	8	--	8.6	6.3	5.8	6.7	7.2	4.1
Copper	mg/kg	9.5	6.7	8.4	9.5	8.1	6.9	6.4	11	11	--	12	11	11	8.6	8.3
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.7	2	2.2	2.4	5.1	10	11	2.3	3	--	5.4	28	2.9	1.9	5.7
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Nickel	mg/kg	12	7.2	11	11	9.6	7	6.7	11	11	--	8.8	9	11	8.7	7.3
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2.1 U	2 U	2 U	2 U
Vanadium	mg/kg	33	23	31	34	27	20	19	31	32	--	28	27	31	32	22
Zinc	mg/kg	36	29	32	35	31	27	27	32	37	--	31	37	31	29	26
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18
	SAMPLE	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	0	2	5	9	14	14	2	0	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	0.5	3	6	10	15	15	3	1	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5
SAMPLE TYPE											Field Duplicate					
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	2 U	2.1 U	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.1 U	5 U	5.1 U
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	51 UJ	52 UJ	51 UJ	50 UJ	51 U
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	34 U	35 U	33 U	33 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	30 J
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	8.5 U	8.5 U	8.5 U	8.5 U	30
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
Acenaphthene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
Acenaphthylene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
Anthracene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
B(a)P Equivalent	ug/kg	5.8 U	5.8 U	5.8 U	5.9 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U	--	5.9 U	33	5.9 U	5.8 U	6.8
Benzo (a) anthracene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	12	5.1 U	5 U	5.1 U
Benzo (a) pyrene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	19	5.1 U	5 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	82	5.1 U	5 U	12 J
Benzo (ghi) perylene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	14	5.1 U	5 U	5.1 UJ
Benzo (k) fluoranthene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	39	5.1 U	5 U	5.1 U
Chrysene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	52 J	5.1 U	5 U	6.8
Dibenzo (a,h) anthracene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 UJ
Fluoranthene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	38	5.1 U	5 U	5.4

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18
	SAMPLE	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	0	2	5	9	14	14	2	0	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	0.5	3	6	10	15	15	3	1	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5
SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	16	5.1 U	5 U	5.1 UJ
Naphthalene	ug/kg	5 U	4.4 U	3.9 U	4.8 U	5 U	5 U	3.8 U	4.5 U	3.3 U	--	5.1 U	5.3 U	3.7 U	5 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	--	0	305	0	0	30.3
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	--	0	0	0	0	0
Phenanthrene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	5.3 U	5.1 U	5 U	5.1 U
Pyrene	ug/kg	5 U	5 U	5 U	5.1 U	5 U	5 U	5 U	5 U	5.1 U	--	5.1 U	33	5.1 U	5 U	6.1
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 UJ
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	670 U	690 U	670 U	670 U	680 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	660 U	670 U	670 U	670 U	660 U	660 U	670 U	670 U	670 U	--	670 U	690 U	670 U	670 U	680 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	670 U	690 U	670 U	670 U	680 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	660 U	670 U	670 U	670 U	660 U	660 U	670 U	670 U	670 U	--	670 U	690 U	670 U	670 U	680 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	1700 U	1700 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18
	SAMPLE	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	0	2	5	9	14	14	2	0	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	0.5	3	6	10	15	15	3	1	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5
SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 J	10 J	10 J	10 J	10 J	10 J	10 J	10 UJ	--	10 J	10 U	18	10 U	10 U	12
TPH as gasoline	mg/kg	0.84 U	0.96 U	0.85 U	0.97 U	--	0.96 U	0.83 U	0.85 U	0.63 U	--	1.7 U	--	1.4 U	1.3 U	--
TPH as motor oil	mg/kg	16.4 J	24.7 J	10 J	10 J	14.3 J	11.2 J	10.1 J	10 UJ	--	10 J	10 U	99	10 U	10 U	93
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1-Dichloroethene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1-Dichloropropene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1,1-Trichloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1,2-Trichloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2-Dibromoethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2-Dichlorobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U
1,2-Dichloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2-Dichloropropane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2,3-Trichlorobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2,3-Trichloropropane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,2,4-Trichlorobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U
1,2,4-Trimethylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,3-Dichlorobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U
1,3-Dichloropropane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,3,5-Trimethylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
1,4-Dichlorobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	350 U	3.7 U	6.3 U	340 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	340 U	350 U	330 U	330 U	340 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Acetone	ug/kg	51 U	44 U	39 U	--	--	64 U	38 U	45 U	--	37 UJ	63 U	--	37 U	63 U	--
Acrolein	ug/kg	100 U	88 U	78 U	97 U	--	130 U	75 U	90 U	65 U	--	130 U	--	74 U	130 U	--
Acrylonitrile	ug/kg	51 U	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	63 U	--	37 U	63 U	--
Benzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Bromobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Bromochloromethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Bromodichloromethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Bromoform	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Bromomethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	26	--	11	6.3 U	--
Carbon disulfide	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Carbon tetrachloride	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Chloro methane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	11	--	5.3	6.3 U	--
Chlorobenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Chloroethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Chloroform	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
cis-1,2-Dichloroethene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
cis-1,3-Dichloropropene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-3	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC14-SS-4	AOC27-1	AOC27-1	AOC27-1	AOC27-1	AOC27-18
	SAMPLE	AOC14-SS-3-8078	AOC14-SS-3-8079	AOC14-SS-3-8080	AOC14-SS-3-8081	AOC14-SS-4-8082	AOC14-SS-4-8083	AOC14-SS-4-8084	AOC14-SS-4-8085	AOC14-SS-4-8086	AOC14-SS-4-8087	AOC27-1-28546	AOC27-1-28545	AOC27-1-28547	AOC27-1-28548	AOC27-18-28528
	DATE	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	10/2/2008	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		2	5	9	14	0	2	5	9	14	14	2	0	5	9	0
SAMPLE BOTTOM DEPTH (FT)		3	6	10	15	0.5	3	6	10	15	15	3	1	6	10	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	15	0.5	3	6	10	15	15	3	0.5	6	10	0.5
SAMPLE TYPE											Field Duplicate					
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Dichlorodifluoromethane	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Ethyl- benzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Hexachlorobutadiene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	330 U	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	690 U	3.7 U	6.3 U	680 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	51 U	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	63 U	--	37 U	63 U	--
Methyl isobutyl ketone	ug/kg	51 U	44 U	39 U	48 U	--	64 U	38 U	45 U	33 U	--	63 U	--	37 U	63 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
N-Butylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
N-Propylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Nitrobenzene	ug/kg	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U	--	340 U	350 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
sec-Butylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Styrene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
tert-Butylbenzene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Tetrachloroethene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Toluene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
trans-1,2-Dichloroethene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
trans-1,3-Dichloropropene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Trichloroethene	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Vinyl chloride	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Xylene, m,p-	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Xylene, o-	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--
Xylenes, total	ug/kg	5.1 U	4.4 U	3.9 U	4.8 U	--	6.4 U	3.8 U	4.5 U	3.3 U	--	6.3 U	--	3.7 U	6.3 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24
	SAMPLE	AOC27-18-28529	AOC27-18-28530	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016
	SAMPLE TOP DEPTH (FT)	2	5	9	4	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	5	1	3	6	10	1	3	6	10	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	290	240	--	330	16	15	--	--	470	130	200	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	170 U	100 U	--	96 U	0.54 U	0.076 U	--	--	67	15	31	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	1.7 U	14	--	1.2 U	0.29 U	0.26 U	--	--	4.1 J	2.2 J	1.8 U	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	1.9 U	1.3 U	--	1.7 U	0.13 U	0.33 U	--	--	2.8 U	1.1 U	2.1 U	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	4.3 U	2.7 U	--	5.5 U	0.64 U	0.31 U	--	--	6.4 U	3.3 U	3.8 U	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	11 J	1.3 U	--	5.4 J	0.56 J	0.44 U	--	--	16	5.5 J	8.8 J	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	5.8 U	13 U	--	14 U	1.3 U	0.89 U	--	--	5.5 J	1.8 J	1.9 U	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	1 U	0.63 U	--	0.83 U	0.27 U	0.17 U	--	--	1.4 U	0.4 U	1.6 J	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.95 U	1.1 U	--	1.5 U	0.31 U	0.53 U	--	--	0.41 U	0.35 U	0.59 U	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	2.7 U	2.1 U	--	1.1 U	0.41 U	0.35 U	--	--	7.3 J	5.2 U	3.2 U	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.76 U	1.5 U	--	2 U	0.15 U	0.39 U	--	--	3.2 U	0.41 U	2.4 U	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	1.9 J	1.3 U	--	66 U	4.4 U	5.6 U	--	--	160 U	48 U	75 U	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	1 U	1.2 U	--	1.6 U	0.33 U	0.56 U	--	--	0.92 U	0.35 U	0.59 U	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.37 U	0.26 U	--	0.2 U	0.066 U	0.066 U	--	--	0.54 U	0.16 U	0.95 U	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.37 U	0.41 U	--	0.9 U	0.31 U	0.34 U	--	--	0.44 U	0.17 U	0.54 J	--	--	--	--
OCDD	ng/kg	3300	2600	--	3800	160	130	--	--	4200	1000	1700	--	--	--	--
OCDF	ng/kg	190	96	--	110	6.2 J	7.2 J	--	--	170	36	84	--	--	--	--
TEQ Avian	ng/kg	3.8	4	--	7.4	0.87	1	--	--	13	4	8	--	--	--	--
TEQ Human	ng/kg	7.6	6.8	--	11	0.84	0.83	--	--	19	5.8	10	--	--	--	--
TEQ Mammals	ng/kg	7.6	6.8	--	11	0.84	0.83	--	--	19	5.8	10	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.5	8.6	8.6	8.7	9.7	9.3	8.6	8.1	9.2	8.5	9.5	8.5	--	9.2	8.7
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Arsenic	mg/kg	3.1	2.5	2.5	2.7	4.2	5.3	3.5	2.1	1.9	3.2	2.4	3.5	--	3.9	2.6
Barium	mg/kg	91	100	81	110	100	150	160	96	84	70 J	65	32	--	180	150
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.36	0.21 U	1.2	0.2 U	0.2	0.28	0.2 U	0.2 U	0.2 U	0.21 U	0.29	0.21 U	--	0.36	0.2 U
Chromium, total	mg/kg	22	11	22	11	13	16	11	14	17	19	20	20	--	29	19
Cobalt	mg/kg	5.4	4.1	3.2	3.9	3.2	3.9	5.2	6.6	7.2	8.8	7.2	9.5	--	6.2	6.6
Copper	mg/kg	9.7	7.4	6.8	6.6	5.6	8.1	8.5	9.3	9.2	--	27	11	9.7	12	9.4
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	8.4	6.9	7.1	10	3.8	5.7	4.9	3.3	8.4	4.6	15	2.7	--	6.2	3.6
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.13	0.1 U	--	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Nickel	mg/kg	12	7.7	5.4	6.7	5.2	5.7	7.9	9.1	10	14	14	14	--	9.2	9.8
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Thallium	mg/kg	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Vanadium	mg/kg	24	19	17	18	19	23	24	32	27	--	27	38	32	31	33
Zinc	mg/kg	31	27	47	250	24	24	30	32	38	42	74	41	--	37	33
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24
	SAMPLE	AOC27-18-28529	AOC27-18-28530	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		2	5	9	4	0	2	5	9	0	2	5	9	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	5	1	3	6	10	1	3	6	10	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3
SAMPLE TYPE														Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
4,4-DDE	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
4,4-DDT	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Dieldrin	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Endo sulfan II	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Endrin	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	--	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Toxaphene	ug/kg	51 U	52 U	52 U	51 U	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	52 UJ	52 UJ	52 UJ	--	51 UJ	51 UJ
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1221	ug/kg	34 U	34 U	34 U	34 U	34 U	33 U	34 U	34 U	34 U	34 U	35 U	34 U	--	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	35 J	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	35	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	--	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	6 U	6 U	6.4	6.1	5.9 U	38	5.9 U	5.9 U	10	6 U	6.5	6 U	--	6.5	7.3
Benzo (a) anthracene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	11	5.1 U	5.1 U	6.4	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.2 U	5.2 U	5.2 UJ	5.1 UJ	5.1 U	26	5.1 U	5.1 U	5.4	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.2 U	5.2 U	6.9 J	5.1 J	5.1 U	65	5.1 U	5.1 U	14	5.2 U	7.3	5.2 U	--	8.5 J	17 J
Benzo (ghi) perylene	ug/kg	5.2 UJ	5.2 UJ	5.2 UJ	5.1 UJ	5.1 U	15	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	32	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	8.5 J	5.1 U
Chrysene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	30 J	5.1 U	5.1 U	8.1	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.2 UJ	5.2 UJ	5.2 UJ	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Fluoranthene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	12	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24
	SAMPLE	AOC27-18-28529	AOC27-18-28530	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016
	SAMPLE TOP DEPTH (FT)	2	5	9	4	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	5	1	3	6	10	1	3	6	10	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 UJ	5.2 UJ	5.2 UJ	5.1 UJ	5.1 U	13	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Naphthalene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	6.9	5.1	0	197	0	0	57.9	0	12.5	0	--	17	17
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Pyrene	ug/kg	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.4	5.1 U	5.1 U	12	5.2 U	5.2	5.2 U	--	5.1 U	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2-Chlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
2-Nitrophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2,6-Dinitrotoluene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U
4-Chloroaniline	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
4-Methylphenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Benzyl alcohol	ug/kg	680 U	690 U	680 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	690 U	680 U	--	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Butylbenzylphthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Di-n-octyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Dibenzofuran	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Diethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Dimethyl phthalate	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Hexachlorobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Hexachloroethane	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
N-nitrosodiphenylamine	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	1700 U
Phenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24
	SAMPLE	AOC27-18-28529	AOC27-18-28530	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016
SAMPLE TOP DEPTH (FT)		2	5	9	4	0	2	5	9	0	2	5	9	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	6	10	5	1	3	6	10	1	3	6	10	3	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	6	10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	160	30	27	49	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U
TPH as gasoline	mg/kg	1.1 U	1.2 U	1.3 U	1.2 U	--	1.1 U	1.2 U	1.1 U	--	1.5 U	1.2 U	1.4 U	--	--	1.3 U
TPH as motor oil	mg/kg	520	130	120	190	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1-Dichloroethene	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1-Dichloropropene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1,1-Trichloroethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1,1,2-Tetrachloroethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1,2-Trichloroethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,1,2,2-Tetrachloroethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2-Dibromo-3-chloropropane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2-Dibromoethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2-Dichlorobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U
1,2-Dichloroethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2-Dichloropropane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2,3-Trichlorobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2,3-Trichloropropane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,2,4-Trichlorobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U
1,2,4-Trimethylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,3-Dichlorobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U
1,3-Dichloropropane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,3,5-Trimethylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
1,4-Dichlorobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	340 U	5.2 U	5.8 U	5.2 U	340 U	6.8 U	5.6 U	7.1 U	--	330 U	7.8 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
2,4,5-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
4-Isopropyltoluene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Acetone	ug/kg	62 UJ	81 UJ	60 UJ	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U
Acrolein	ug/kg	120 UJ	160 UJ	120 UJ	110 UJ	--	100 U	120 U	100 U	--	140 U	110 U	140 U	--	--	160 U
Acrylonitrile	ug/kg	62 U	81 U	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U
Benzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Bromobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Bromochloromethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Bromodichloromethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Bromoform	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Bromomethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Carbon disulfide	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Carbon tetrachloride	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Chloro methane	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Chlorobenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Chloroethane	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Chloroform	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
cis-1,2-Dichloroethene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
cis-1,3-Dichloropropene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-18	AOC27-18	AOC27-18	AOC27-18E	AOC27-2	AOC27-2	AOC27-2	AOC27-2	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-20	AOC27-24	AOC27-24
	SAMPLE	AOC27-18-28529	AOC27-18-28530	AOC27-18-28532	AOC27-18-28531	AOC27-2-28541	AOC27-2-28542	AOC27-2-28543	AOC27-2-28544	AOC27-20-28508	AOC27-20-28509	AOC27-20-28511	AOC27-20-28512	AOC27-20-28510	AOC27-24-28549	AOC27-24-28550
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/18/2016	3/18/2016
	SAMPLE TOP DEPTH (FT)	2	5	9	4	0	2	5	9	0	2	5	9	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	6	10	5	1	3	6	10	1	3	6	10	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	6	10	5	0.5	3	6	10	0.5	3	6	10	3	0.5	3
	SAMPLE TYPE													Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Dichlorodifluoromethane	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Ethyl- benzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Hexachlorobutadiene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	670 U	5.2 U	5.8 U	5.2 U	670 U	6.8 U	5.6 U	7.1 U	--	670 U	7.8 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
Isopropylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	62 U	81 U	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U
Methyl isobutyl ketone	ug/kg	62 U	81 U	60 U	56 U	--	52 U	58 U	52 U	--	68 U	56 U	71 U	--	--	78 U
Methyl tert-butyl ether (MTBE)	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 UJ	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
N-Butylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
N-Propylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Nitrobenzene	ug/kg	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U	--	330 U	330 U
p-Chlorotoluene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
sec-Butylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Styrene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
tert-Butylbenzene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Tetrachloroethene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Toluene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
trans-1,2-Dichloroethene	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
trans-1,3-Dichloropropene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Trichloroethene	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Trichlorofluoromethane (Freon 11)	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Vinyl chloride	ug/kg	6.2 UJ	8.1 UJ	6 UJ	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Xylene, m,p-	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Xylene, o-	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U
Xylenes, total	ug/kg	6.2 U	8.1 U	6 U	5.6 U	--	5.2 U	5.8 U	5.2 U	--	6.8 U	5.6 U	7.1 U	--	--	7.8 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24	AOC27-24	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4
	SAMPLE	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540
	DATE	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	9.6	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	10	1	3	1	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	1100	77	6.2 U
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.39 U	0.38 U
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.73 J	0.36 U
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	8.9 J	0.79 U	0.28 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	7.1 J	1.5 U	0.66 U
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	20	2.1 J	0.21 U
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.77 U	0.25 U
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.46 U	0.19 U
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.4 U	0.35 U	0.092 U
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	7.8 J	1.3 J	0.21 U
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.31 U	0.92 U	0.32 U
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.3 U	15 U	0.83 U
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.43 U	0.17 U	0.093 U
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.16 U	0.34 U	0.1 U
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.73 J	0.33 U	0.11 U
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	11000	790	88 U
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	260	31	0.29 U
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9	0.37 U
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.8	0.34 U
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.8	0.34 U
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.4	8.4	8.1	8.2	8.1	8.3	8.6	7.9	8.2	8.2	8.2	8.5	8.4	8.1	9.2
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 UJ	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Arsenic	mg/kg	2.6	2	3.2	4.4	1.8	1.2	3.3	2.6	4.6	4.4	2.8	5.2	--	4	1.1
Barium	mg/kg	120	130	150	170	100	97	100	100	150 J	210	100	81	--	180	76
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	0.2 U	0.2 U	0.34	0.2 U	0.2 U	0.2 U	0.21 U	0.21 U	0.21 U	0.22 U	0.22 U	--	0.2 U	0.2 U
Chromium, total	mg/kg	14	20	15	17	20	12	22	16	14	14	16	13	16	13	14
Cobalt	mg/kg	6.5	7.5	6.9	5.4	7.6	7	6.4	7.6	5.4	3.9	6.1	5.6	--	5.7	7.1
Copper	mg/kg	11	14	13	8.9	11	9.3	11	8.2	11	7	8.8	11	--	9.5	8.1
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.1	3	4.3	7	2.9	1.9	5.5	3.8	6	4.3	3.7	6.5	7.3	5.9	2
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12	0.1	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.099 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Nickel	mg/kg	9.2	13	10	8.1	12	8.4	11	12	11	7	9.8	11	7.2	8.1	9.1
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Vanadium	mg/kg	30	34	31	25	29	32	34	36	25	21	29	27	--	25	36
Zinc	mg/kg	30	34	32	29	33	29	38	38	59 J	24	29	34	31	27	28
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24	AOC27-24	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4
	SAMPLE	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540
	DATE	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	9.6	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	10	1	3	1	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
4,4-DDE	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
4,4-DDT	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Aldrin	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
alpha-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
alpha-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
beta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
delta-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Dieldrin	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Endo sulfan I	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Endo sulfan II	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Endosulfan sulfate	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Endrin	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2.1 UJ	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Endrin aldehyde	ug/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
gamma-Chlordane	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Heptachlor	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U	1 U
Methoxy chlor	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 UJ	5.2 UJ	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
Toxaphene	ug/kg	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	52 UJ	51 U	52 U	54 U	55 U	51 U	51 UJ	50 UJ
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	34 U	33 U	34 U	34 U	33 U	34 U	34 U	34 U	34 U	36 U	36 U	34 U	33 U	33 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	32	17 U	49 J	20	18 U	18 U	--	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	18 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	32	8.5 U	49	20	9 U	9 U	--	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U
B(a)P Equivalent	ug/kg	6.2	32	5.9 U	7.4	6.2	5.9 U	11	6 U	6.5	6.3	6.2 U	6.4 U	--	6.7	5.8 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 UJ	5.2 UJ	5.4 UJ	5.5 UJ	--	5.1 U	5 U
Benzo (a) pyrene	ug/kg	5.1 U	25	5.1 U	5.1 U	5.1 U	5.1 U	6.1	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U
Benzo (b) fluoranthene	ug/kg	5.4	28	5.1 U	18 J	5.4 J	5.1 U	14	5.2 U	8.2	5.2	5.4 U	5.5 U	--	10	5 U
Benzo (ghi) perylene	ug/kg	5.1 U	16	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1	5 U
Benzo (k) fluoranthene	ug/kg	5.1 U	16	5.1 U	5.1 U	7.8 J	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	8.4	5 U
Chrysene	ug/kg	5.1 U	8.5	5.1 U	5.1 U	5.1 U	5.1 U	10	5.2 U	5.1	5.2 U	5.4 U	5.5 U	--	8.1 J	5 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 UJ	5.1 U	5 U
Fluoranthene	ug/kg	5.1 U	5.1	5.1 U	6.4	5.1 U	5.1 U	16	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	9.1	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24	AOC27-24	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4
	SAMPLE	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540
	DATE	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	9.6	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	10	1	3	1	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	13	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	5.1 U	5 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
PAH High molecular weight	ug/kg	5.4	122	0	30.5	13.2	0	60.1	0	13.3	5.2	0	0	--	51.7	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	5.4	0	0	0	0	0	--	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.4	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	5.1 U	5.1 U	5 U
Pyrene	ug/kg	5.1 U	5.1	5.1 U	6.1	5.1 U	5.1 U	14	5.2 U	5.1 U	5.2 U	5.4 U	5.5 U	--	11	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2-Chlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
2-Nitrophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 UJ	1700 UJ	1800 UJ	1800 UJ	1700 UJ	1700 UJ	1700 UJ
2,4-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	670 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U
4-Chloroaniline	ug/kg	670 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	670 U	670 U	670 U	670 U	670 U	680 U	680 U	690 U	710 U	730 U	670 U	670 U	660 U
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Butylbenzylphthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Dibenzofuran	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Diethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Dimethyl phthalate	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Hexachlorobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Hexachloroethane	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1800 U	1700 U	1700 U	1700 U
Phenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24	AOC27-24	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4
	SAMPLE	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540
	DATE	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	9.6	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	10	1	3	1	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1 U	1.2 U	--	1.3 U	1.1 U	1.1 U	--	1.4 UJ	--	1.3 U	1.4 U	1.6 U	--	0.76 U	1.2 U
TPH as motor oil	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U	--	11	12
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
1,1-Dichloroethene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
1,1-Dichloropropene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,1,1-Trichloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,1,1,2-Tetrachloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,1,2-Trichloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,1,2,2-Tetrachloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2-Dibromo-3-chloropropane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2-Dibromoethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2-Dichlorobenzene	ug/kg	5.5 U	6 U	340 U	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U
1,2-Dichloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2-Dichloropropane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2,3-Trichlorobenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2,3-Trichloropropane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,2,4-Trichlorobenzene	ug/kg	5.5 U	6 U	340 U	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U
1,2,4-Trimethylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,3-Dichlorobenzene	ug/kg	5.5 U	6 U	340 U	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U
1,3-Dichloropropane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,3,5-Trimethylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
1,4-Dichlorobenzene	ug/kg	5.5 U	6 U	340 U	7.4 U	5.7 U	290 U	340 U	8.3 U	340 U	6 U	6.4 U	6.5 U	340 U	6.8 U	6.1 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
2,4,5-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
4-Isopropyltoluene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Acetone	ug/kg	55 U	60 U	--	74 U	57 UJ	2900 UJ	--	83 UJ	--	60 UJ	64 U	65 UJ	--	68 U	61 U
Acrolein	ug/kg	110 U	120 U	--	150 U	110 U	5800 U	--	170 U	--	120 UJ	130 UJ	130 UJ	--	140 U	120 U
Acrylonitrile	ug/kg	55 U	60 U	--	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U
Benzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Bromobenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Bromochloromethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Bromodichloromethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Bromoform	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Bromomethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Carbon disulfide	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
Carbon tetrachloride	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Chloro methane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
Chlorobenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Chloroethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
Chloroform	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
cis-1,2-Dichloroethene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
cis-1,3-Dichloropropene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-24	AOC27-24	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-24SW	AOC27-27	AOC27-27	AOC27-36	AOC27-36	AOC27-36	AOC27-36	AOC27-4	AOC27-4	AOC27-4
	SAMPLE	AOC27-24-28551	AOC27-24-28552	AOC27-24SW-28553	AOC27-24SW-28554	AOC27-24SW-28555	AOC27-24SW-28556	AOC27-27-28517	AOC27-27-28518	AOC27-36-28524	AOC27-36-28525	AOC27-36-28526	AOC27-36-28527	AOC27-4-28537	AOC27-4-28539	AOC27-4-28540
	DATE	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/18/2016	3/2/2016	3/2/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	9.6	0	2	5
SAMPLE BOTTOM DEPTH (FT)		6	10	1	3	6	10	1	3	1	3	6	10	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	10	0.5	3	6
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Dichlorodifluoromethane	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
Ethyl- benzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Hexachlorobutadiene	ug/kg	5.5 U	6 U	670 U	7.4 U	5.7 U	290 U	670 U	8.3 U	680 U	6 U	6.4 U	6.5 U	670 U	6.8 U	6.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
Isopropylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	55 U	60 U	--	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U
Methyl isobutyl ketone	ug/kg	55 U	60 U	--	74 U	57 U	2900 U	--	83 U	--	60 U	64 U	65 U	--	68 U	61 U
Methyl tert-butyl ether (MTBE)	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 UJ	6.5 UJ	--	6.8 U	6.1 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
N-Butylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
N-Propylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Nitrobenzene	ug/kg	330 U	340 U	340 U	340 U	330 U	330 U	340 U	340 U	340 U	340 U	360 U	360 U	340 U	330 U	330 U
p-Chlorotoluene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
sec-Butylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Styrene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
tert-Butylbenzene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Tetrachloroethene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Toluene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
trans-1,2-Dichloroethene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
trans-1,3-Dichloropropene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Trichloroethene	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Vinyl chloride	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 UJ	6.4 U	6.5 UJ	--	6.8 U	6.1 U
Xylene, m,p-	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Xylene, o-	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U
Xylenes, total	ug/kg	5.5 U	6 U	--	7.4 U	5.7 U	290 U	--	8.3 U	--	6 U	6.4 U	6.5 U	--	6.8 U	6.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-4	AOC27-5	AOC27-5	AOC27-5	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6
	SAMPLE	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	5	9	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	1	3	6	10	0.5	3	6	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6	0.5	3	6
SAMPLE TYPE		Field Duplicate														
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	740	2.4 U	--	--	96	420	9 J	--	71	6.2 J	2.2 J	610	180	47
1,2,3,4,6,7,8-HpCDF	ng/kg	45	0.88 U	0.076 U	--	--	19	79 U	1.5 U	--	15	1.2 J	0.27 U	99	24	10 J
1,2,3,4,7,8-HxCDD	ng/kg	6 J	3.7 U	0.2 U	--	--	3.7 J	15 U	0.31 U	--	2.5 J	0.29 J	0.057 U	32	7.3 J	1.9 J
1,2,3,4,7,8-HxCDF	ng/kg	--	3.9 U	0.072 U	--	--	3.2 J	12 J	0.2 U	--	1.6 J	0.072 U	0.094 U	14	3.6 J	0.77 U
1,2,3,4,7,8,9-HpCDF	ng/kg	--	21	0.09 U	--	--	1.2 U	6.6 J	0.95 U	--	0.91 U	0.13 U	0.051 U	6.4 J	1.6 J	0.19 U
1,2,3,6,7,8-HxCDD	ng/kg	--	11 U	0.095 U	--	--	9.1 J	52	0.27 U	--	6.4 J	0.87 J	0.057 U	77	17	5.2 J
1,2,3,6,7,8-HxCDF	ng/kg	0.81 U	9.7 U	0.095 U	--	--	3.6 J	13 U	0.13 U	--	1.7 J	0.15 U	0.09 U	12 J	2.8 U	0.92 U
1,2,3,7,8-PeCDD	ng/kg	1.2 J	1.5 U	0.099 U	--	--	5.8 J	32	0.17 U	--	4 J	0.51 U	0.074 U	70	17	4.3 J
1,2,3,7,8-PeCDF	ng/kg	--	0.48 U	0.18 U	--	--	1.9 U	5.7 U	0.14 U	--	0.89 U	0.14 U	0.11 U	7.6 J	2 J	0.29 U
1,2,3,7,8,9-HxCDD	ng/kg	--	5.7 U	0.09 U	--	--	7.4 J	34	0.38 U	--	5.6 J	0.68 J	0.056 U	67	16	4.7 U
1,2,3,7,8,9-HxCDF	ng/kg	--	0.52 U	0.084 U	--	--	0.9 U	3 U	0.55 J	--	0.27 U	0.083 U	0.11 U	3.1 J	0.94 U	0.57 U
2,3,4,6,7,8-HxCDF	ng/kg	--	98 U	0.62 U	--	--	4.3 J	13 U	0.34 U	--	12 U	0.8 U	0.41 U	14	18 U	5.9 U
2,3,4,7,8-PeCDF	ng/kg	--	0.57 U	0.19 U	--	--	3.1 J	12 J	0.14 U	--	1.5 J	0.14 U	0.11 U	11 J	3.2 J	0.68 U
2,3,7,8-TCDD	ng/kg	--	0.24 U	0.054 U	--	--	1.5 U	9.1 U	0.091 U	--	1.3 J	0.099 U	0.038 U	19	5.7	0.87 U
2,3,7,8-TCDF	ng/kg	--	0.29 U	0.099 U	--	--	1.2 J	4.6 U	0.31 U	--	0.78 J	0.067 U	0.026 U	5.4	1.5 J	0.35 U
OCDD	ng/kg	--	10000	35	--	--	380	1100	33 U	--	420	29 U	27 U	2300	860	330 B
OCDF	ng/kg	--	200	0.73 U	--	--	12 J	40	0.89 U	--	34	1 U	0.85 U	84	29	12 U
TEQ Avian	ng/kg	14	9.3	0.29	--	--	13	59	0.5	--	9.6	0.58	0.17	120	32	6.2
TEQ Human	ng/kg	26	18	0.2	--	--	12	57	0.41	--	9.2	0.65	0.15	120	32	6.9
TEQ Mammals	ng/kg	26	18	0.2	--	--	12	57	0.41	--	9.2	0.65	0.15	120	32	6.9
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.5	8.4	9.3	8.2	9.4	8.2	8.4	8.2	--	--	--	8.2	9.8	9.1
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	2 U	2 U	2 U	2 U	2 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	3.2	4.1	1.3	3.4	1.6	2.1	4.4	2.1	2.1	2.3	1 U	1.4	5.2	3.4	2.7
Barium	mg/kg	150 J	120	82	110	93	180	190	62	36	130	68	97	200	120	70
Beryllium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	--	1.5	1 U	1 U	1 U	1 U	1.1	1 U	1 U	2.3	1 U	1.2	1.5	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.28	0.48	0.2 U	0.31	0.2 U	0.3	1.3	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.87 J	4.8	0.21 U
Chromium, total	mg/kg	--	21	15	15	13	25	50 J	18	18	20	10	13	43	24	39
Cobalt	mg/kg	4.8	4.7	6.9	3.7	6.3	8.3	7.6	8	7.7	7.7	5	6.3	6.7	6.9	8.6
Copper	mg/kg	8.9	14	9.2	7.6	8.6	25	100 J	7.9	9.1	36	7.4	8.3	500	76	18
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	38	2.4	7	2.5	73	190 J	2.1	2.1	19	1.4	1 U	630	37	51
Mercury	mg/kg	--	0.1 U	0.099 U	0.1 U	0.1 U	0.13	0.47	0.13	0.12	0.1 U	0.1 U	0.1 U	0.51	0.26	0.14
Molybdenum	mg/kg	--	1 U	1 U	1 U	1 U	1 U	4.7 J	1 U	1 U	1 U	1 U	1 U	8.3	1 U	1 U
Nickel	mg/kg	--	8.8	10	7.2	8.8	13	16	14	13	15	6.9	8.2	22	16	26
Selenium	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1.1 U	1 U	1 U
Silver	mg/kg	--	1 U	1 U	1 U	1 U	1 U	1.7 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Thallium	mg/kg	--	2 U	2 U	2 U	2 U	2 U	2.1 UJ	2.1 U	2.1 U	2.1 UJ	2 UJ	2 UJ	2.1 U	2.1 U	2.1 U
Vanadium	mg/kg	25	24	34	19	30	38	26 J	29	31	22	18	24	23	26	33
Zinc	mg/kg	--	500	32	48	33	250	330 J	39	38	1200	28	30	700	130	92
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	8100	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	21000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	0.21 U	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-4	AOC27-5	AOC27-5	AOC27-5	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6
	SAMPLE	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	5	9	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	1	3	6	10	0.5	3	6	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6	0.5	3	6
SAMPLE TYPE		Field Duplicate														
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	28000	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	6200	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	310	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	2900	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	460	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U
4,4-DDE	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U
4,4-DDT	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U
Aldrin	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
alpha-BHC	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
alpha-Chlordane	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
beta-BHC	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
delta-BHC	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
Dieldrin	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U
Endo sulfan I	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
Endo sulfan II	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U
Endosulfan sulfate	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U
Endrin	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 UJ	2.1 UJ	2.1 UJ	2.1 U	--	--	2.1 U	2.1 U	2.1 U
Endrin aldehyde	ug/kg	--	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.1 U	2.1 U	2.1 U
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
gamma-Chlordane	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
Heptachlor	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U	--	--	1.1 U	1 U	1 U
Heptachlor Epoxide	ug/kg	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	1.1 U	1 U	1 U
Methoxy chlor	ug/kg	--	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5.1 UJ	5.2 UJ	5.2 UJ	5.2 U	--	--	5.3 U	5.2 U	5.2 U
Toxaphene	ug/kg	--	51 U	50 U	51 U	51 U	51 UJ	51 UJ	52 UJ	52 UJ	52 U	--	--	53 UJ	52 UJ	52 UJ
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1221	ug/kg	--	34 U	33 U	34 U	33 U	34 U	34 U	34 U	34 U	34 U	33 U	33 U	35 U	34 U	34 U
Aroclor 1232	ug/kg	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1242	ug/kg	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1248	ug/kg	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1254	ug/kg	21	17 U	17 U	17	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1260	ug/kg	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	18 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	21	8.5 U	8.5 U	17	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	9 U	8.5 U	8.5 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U
Acenaphthene	ug/kg	--	5.1 U	5 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.2 U	8.3	5.1 U	5.1 U	51 J	5.2 U	5.1 U
Acenaphthylene	ug/kg	--	5.1	5 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	5.3 U	5.2 U	5.1 U
Anthracene	ug/kg	6.8	22	5 U	14	5 U	39	9.2 J	5.2 U	5.2 U	55	5.1 U	5.1 U	710 J	6.9	5.1 U
B(a)P Equivalent	ug/kg	24	85	5.8 U	27	6.4	400	1300	6 U	6 U	370	5.9 U	5.9 U	3300	1200	20
Benzo (a) anthracene	ug/kg	11	26 J	5 UJ	6.1 J	5 UJ	440	1300	5.2 U	5.2 U	490 J	5.1 U	5.1 U	3400 J	560	9.3
Benzo (a) pyrene	ug/kg	12	58 J	5 U	16 J	5 U	270	930 J	5.2 U	5.2 U	250 J	5.1 U	5.1 U	2000 J	930 J	13
Benzo (b) fluoranthene	ug/kg	66	190 J	5 U	65 J	8.7	540	2100 J	5.2 U	5.2 U	560	5.1 U	5.1 U	3400 J	1800 J	24
Benzo (ghi) perylene	ug/kg	12	22 J	5 U	14 J	5 U	79	130	5.2 U	5.2 U	140 J	5.1 U	5.1 U	1500 J	22	6.9
Benzo (k) fluoranthene	ug/kg	22	68 J	5 U	20 J	5 U	160	830 J	5.2 U	5.2 U	130 J	5.1 U	5.1 U	1300 J	660 J	7.2
Chrysene	ug/kg	36 J	89 J	5 U	30 J	8.1	480	1200	5.2 U	5.2 U	410 J	5.1 U	5.1 U	3000 J	580	10
Dibenzo (a,h) anthracene	ug/kg	--	5.1 UJ	5 U	5.1 UJ	5 U	20	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	530 J	6.9	5.1 U
Fluoranthene	ug/kg	25	20	5 U	9.9	15	1100	2800	5.2 U	5.2 U	920	5.1 U	5.1 U	8600 J	660	12

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-4	AOC27-5	AOC27-5	AOC27-5	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6
	SAMPLE	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	5	9	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	1	3	6	10	0.5	3	6	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6	0.5	3	6
SAMPLE TYPE		Field Duplicate														
ANALYTE	UNITS															
Fluorene	ug/kg	--	5.1 U	5 U	5.1 U	5 U	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	9.2 J	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	12	16 J	5 U	8.5 J	5 U	81	95	5.2 U	5.2 U	140 J	5.1 U	5.1 U	1200 J	19	5.5
Naphthalene	ug/kg	--	5.1 U	5 U	5.1 U	5.3	5.1 U	5.1 U	5.2 U	5.2 U	5.2 U	5.1 U	5.1 U	6.4 J	5.2 U	5.1 U
PAH High molecular weight	ug/kg	220	510	0	179	44.8	4040	11700	0	0	3780	0	0	31500	5830	98.9
PAH Low molecular weight	ug/kg	6.8	32.2	0	14	5.3	459	779	0	0	543	0	0	3880	40.9	0
Phenanthrene	ug/kg	--	5.1	5 U	5.1 U	16	420	770	5.2 U	5.2 U	480 J	5.1 U	5.1 U	3100 J	34	5.1 U
Pyrene	ug/kg	24	21	5 U	9.5	13	870	2300	5.2 U	5.2 U	740	5.1 U	5.1 U	6600 J	590	11
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2-Chlorophenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2-Methylphenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
2-Nitrophenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
2,4-Dimethylphenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2,4-Dinitrophenol	ug/kg	--	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
2,4-Dinitrotoluene	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2,6-Dinitrotoluene	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
3-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
3,3-Dichlorobenzidene	ug/kg	--	670 U	670 U	670 U	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U
4-Bromophenyl phenyl ether	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
4-Chloro-3-methylphenol	ug/kg	--	670 U	670 U	670 U	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U
4-Chloroaniline	ug/kg	--	670 U	670 U	670 U	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U
4-Chlorophenyl phenyl ether	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
4-Methylphenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
4-Nitroaniline	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
4-Nitrophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	720 U	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	670 U	670 U	670 U	670 U	680 U	680 U	680 U	690 U	680 U	--	--	700 U	680 U	680 U
bis (2-chloroethoxy) methane	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Butylbenzylphthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Di-n-octyl phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Dibenzofuran	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Diethyl phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Dimethyl phthalate	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Hexachlorobenzene	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Hexachloroethane	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
N-nitrosodiphenylamine	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Pentachlorophenol	ug/kg	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	1800 U	1700 U	1700 U
Phenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-4	AOC27-5	AOC27-5	AOC27-5	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6
	SAMPLE	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	5	9	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	1	3	6	10	0.5	3	6	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6	0.5	3	6
SAMPLE TYPE		Field Duplicate														
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	18	10 U	10 U	10 U	10 U	120	10 U	10 U	12	10 U	10 U	79	11	10 U
TPH as gasoline	mg/kg	--	1.2 U	1.1 U	--	2 U	--	1.2 U	1.4 U	1.3 U	1.6 U	1.4 U	1.2 U	--	1.5 U	1.4 U
TPH as motor oil	mg/kg	48	91	10 U	54	10 U	16	780	10 U	10 U	37	15	12	200	40	17
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1-Dichloroethene	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1-Dichloropropene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1,1-Trichloroethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1,1,2-Tetrachloroethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1,2-Trichloroethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,1,2,2-Tetrachloroethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2-Dibromo-3-chloropropane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2-Dibromoethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2-Dichlorobenzene	ug/kg	--	5.6 U	6.4 U	330 U	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U
1,2-Dichloroethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2-Dichloropropane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2,3-Trichlorobenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2,3-Trichloropropane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,2,4-Trichlorobenzene	ug/kg	--	5.6 U	6.4 U	330 U	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U
1,2,4-Trimethylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,3-Dichlorobenzene	ug/kg	--	5.6 U	6.4 U	330 U	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U
1,3-Dichloropropane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,3,5-Trimethylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
1,4-Dichlorobenzene	ug/kg	--	5.6 U	6.4 U	330 U	5.1 U	340 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	350 U	8.5 U	7.1 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	65 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
2,4,5-Trichlorophenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
2,4,6-Trichlorophenol	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
4-Isopropyltoluene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Acetone	ug/kg	--	56 UJ	64 U	--	51 UJ	--	65 UJ	73 UJ	58 UJ	65 U	--	--	--	85 U	71 U
Acrolein	ug/kg	--	110 UJ	130 UJ	--	100 UJ	--	130 U	150 U	120 U	130 U	--	--	--	170 U	140 U
Acrylonitrile	ug/kg	--	56 U	64 U	--	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U
Benzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
bis (2-chloroethyl) ether	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Bromobenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Bromochloromethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Bromodichloromethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Bromoform	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Bromomethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Carbon disulfide	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Carbon tetrachloride	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Chloro methane	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Chlorobenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Chloroethane	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Chloroform	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
cis-1,2-Dichloroethene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
cis-1,3-Dichloropropene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	6.5 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-4	AOC27-5	AOC27-5	AOC27-5	AOC27-5	AOC27-50	AOC27-50	AOC27-50	AOC27-50	AOC27-51	AOC27-51	AOC27-51	AOC27-6	AOC27-6	AOC27-6
	SAMPLE	AOC27-4-28538	AOC27-5-28534	AOC27-5-28535	AOC27-5-28533	AOC27-5-28536	AOC27-50-28513	AOC27-50-28514	AOC27-50-28515	AOC27-50-28516	AOC27-51-28557	AOC27-51-28558	AOC27-51-28559	AOC27-6-28500	AOC27-6-28501	AOC27-6-28502
	DATE	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/17/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	2/17/2017	2/17/2017	2/17/2017	2/29/2016	2/29/2016	2/29/2016
SAMPLE TOP DEPTH (FT)		0	2	5	0	9	0	2	5	9	0	2	5	0	2	5
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	10	1	3	6	10	0.5	3	6	1	3	6
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	0.5	10	0.5	3	6	10	0.5	3	6	0.5	3	6
SAMPLE TYPE		Field Duplicate														
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Dichlorodifluoromethane	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Ethyl- benzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Hexachlorobutadiene	ug/kg	--	5.6 U	6.4 U	670 U	5.1 U	680 U	6.5 U	7.3 U	5.8 U	6.5 U	--	--	700 U	8.5 U	7.1 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	680 U	--	--	--	--	--
Isophorone	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
Isopropylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	6.5 UJ	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	56 U	64 U	--	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U
Methyl isobutyl ketone	ug/kg	--	56 U	64 U	--	51 U	--	65 U	73 U	58 U	65 U	--	--	--	85 U	71 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.6 UJ	6.4 UJ	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	6.5 U	--	--	--	--	--
Methylene chloride	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
N-Butylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
N-Propylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Nitrobenzene	ug/kg	--	340 U	330 U	330 U	330 U	340 U	340 U	340 U	350 U	340 U	--	--	350 U	340 U	340 U
p-Chlorotoluene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
sec-Butylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Styrene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
tert-Butylbenzene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Tetrachloroethene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Toluene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
trans-1,2-Dichloroethene	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
trans-1,3-Dichloropropene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Trichloroethene	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Vinyl chloride	ug/kg	--	5.6 UJ	6.4 U	--	5.1 UJ	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Xylene, m,p-	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Xylene, o-	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U
Xylenes, total	ug/kg	--	5.6 U	6.4 U	--	5.1 U	--	6.5 U	7.3 U	5.8 U	6.5 U	--	--	--	8.5 U	7.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01
	SAMPLE	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004
	DATE	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015
	SAMPLE TOP DEPTH (FT)	0	2	5	1	5	0	2	5	0	9	0	2	2	0	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	2	6	1	3	6	1	10	0.5	3	3	0.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	2	6	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5
	SAMPLE TYPE									Field Duplicate				Field Duplicate		
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	1500	1500	45	330	31	110	60	20	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	240	380	0.48 U	67	4.7 J	23	0.64 U	3.3 J	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	38	62	2 J	11 J	1.4 J	1.3 J	0.41 U	0.7 U	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	27	68	1.1 J	7 J	0.72 J	0.84 U	0.73 U	0.27 U	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	17	36	0.57 U	3.9 U	1.2 U	1.8 U	0.76 U	0.94 U	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	100	160	4.1 J	27	1.8 U	3.7 J	0.35 U	1.1 U	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	26	25 U	0.88 J	6.6 U	0.52 U	1.3 J	0.64 U	0.32 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	45	110	2.4 J	14	1.4 J	0.37 U	0.57 U	0.32 U	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	16	39	0.59 U	3.9 J	0.43 U	0.69 U	0.82 U	0.36 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	63 U	120	3.1 U	21	1.3 U	2.2 U	0.36 U	0.79 U	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	5.7 U	14 U	0.2 U	1 U	1.2 U	0.36 U	0.83 U	0.34 U	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	26	81	1 U	30 U	5.1 U	36 U	9.7 U	3.6 U	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	26	65	0.85 J	6.7 J	0.51 J	0.69 U	0.52 U	0.33 U	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	6.4	29	0.25 U	4 J	0.17 U	1.2 U	0.21 U	0.2 U	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	17	26 U	0.15 U	3.9 J	0.43 U	1.4 J	1.9 U	0.91 J	--	--	--	--	--	--	--
OCDD	ng/kg	6500	4000	190 U	1500	170 U	960	540 B	150 U	--	--	--	--	--	--	--
OCDF	ng/kg	140	190	5.4 U	53	6.8 U	120	23 J	6.4 U	--	--	--	--	--	--	--
TEQ Avian	ng/kg	110	260	4.1	36	2.9	5.2	2.4	1.7	--	--	--	--	--	--	--
TEQ Human	ng/kg	110	230	4.3	33	2.8	5.3	2	1	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	110	230	4.3	33	2.8	5.3	2	1	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	10	10	8.8	10	9	--	8.2	8.4	8.9	8.2	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	3.5	2 U	2 U	2 U	2 UJ	2 U	2 U	--	2 U	--	--	--	--	--
Arsenic	mg/kg	5.7	20	2.6	2	2.5	--	2.1	2.1	2.9	1.2	--	--	--	--	--
Barium	mg/kg	190	180	28	130	39	140	120	120	--	88	--	--	--	--	--
Beryllium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Cadmium	mg/kg	1.7	4.5	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.7	4	0.5	0.49	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	--	--	--	--	--
Chromium, total	mg/kg	150	290	16	20	17	--	14	15	14	11	--	--	--	--	--
Cobalt	mg/kg	11	16	7.7	7	7.3	5.9	5.7	6.7	--	5.8	--	--	--	--	--
Copper	mg/kg	580	1000	9.8	29	15	8.2	8.3	11	--	7.8	--	--	--	--	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	170	570	2.6	24	6.1	--	3.7	2.7	5.9	1.6	--	--	--	--	--
Mercury	mg/kg	0.32	0.95	0.1 U	0.17	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	--	--	--	--
Molybdenum	mg/kg	11	26	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Nickel	mg/kg	35	97	12	11	12	--	9.3	11	9.7	7.9	--	--	--	--	--
Selenium	mg/kg	1 U	1.1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	--	1 U	--	--	--	--	--
Silver	mg/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Thallium	mg/kg	2 U	2.3 U	2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	--	--	--	--	--
Vanadium	mg/kg	27	17	29	28	30	25	25	33	--	28	--	--	--	--	--
Zinc	mg/kg	420	1300	38	93	45	--	35	36	38 J	28	--	--	--	--	--
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01
	SAMPLE	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004
	DATE	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015
	SAMPLE TOP DEPTH (FT)	0	2	5	1	5	0	2	5	0	9	0	2	2	0	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	2	6	1	3	6	1	10	0.5	3	3	0.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	2	6	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5
	SAMPLE TYPE									Field Duplicate				Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
4,4-DDE	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
4,4-DDT	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
Aldrin	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
Endrin	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	2 U	2.3 U	2.1 U	2 U	2 U	--	2 U	2 U	2 U	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	--	--	--	--	--
Toxaphene	ug/kg	51 UJ	57 UJ	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ	--	51 UJ	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	19 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1221	ug/kg	34 U	38 U	34 U	34 U	34 U	34 U	34 U	34 U	--	34 U	35 U	34 U	--	33 U	34 U
Aroclor 1232	ug/kg	17 U	19 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1242	ug/kg	17 U	19 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1248	ug/kg	17 U	19 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1254	ug/kg	17 U	19 U	17 U	17 U	17 U	19	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1260	ug/kg	17 U	19 U	17 U	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	--	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	8.5 U	9.5 U	8.5 U	8.5 U	8.5 U	19	8.5 U	8.5 U	--	8.5 U	0 U	0 U	--	0 U	0 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	470	96	5.9 U	42	5.9 U	--	5.9 U	5.9 U	6.4	5.9 U	6.5	6 U	--	5.9 U	23
Benzo (a) anthracene	ug/kg	430	94 J	5.1 U	28	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	8.5
Benzo (a) pyrene	ug/kg	340 J	57 U	5.1 U	30	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	15 J
Benzo (b) fluoranthene	ug/kg	740 J	260 J	5.1 U	47	5.1 U	--	5.1 U	5.1 U	7.5	5.1 U	8 J	5.2 U	--	5.1 U	38 J
Benzo (ghi) perylene	ug/kg	25 J	57 U	5.1 U	16	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	410 J	94	5.1 U	17	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	13 J
Chrysene	ug/kg	400	100 J	5.1 U	31	5.1 U	--	5.1 U	5.1 U	6.1	5.1 U	5.2 U	5.2 U	--	5.1 U	19
Dibenzo (a,h) anthracene	ug/kg	5.1 U	57 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Fluoranthene	ug/kg	540	100 J	5.1 U	33	5.1 U	--	5.1 U	5.1 U	6.5	5.1 U	5.2	5.2 U	--	5.1 U	37

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01
	SAMPLE	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004
	DATE	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015
	SAMPLE TOP DEPTH (FT)	0	2	5	1	5	0	2	5	0	9	0	2	2	0	0
	SAMPLE BOTTOM DEPTH (FT)	1	3	6	2	6	1	3	6	1	10	0.5	3	3	0.5	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	6	2	6	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5
	SAMPLE TYPE									Field Duplicate				Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	24 J	57 U	5.1 U	13	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.7 U	5.1 U	5.1 U	4.9 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	5.1 U
PAH High molecular weight	ug/kg	3390	736	0	250	0	--	0	0	27.2	0	13.2	0	--	0	167
PAH Low molecular weight	ug/kg	25	60	0	9.2	0	0	0	0	--	0	0	0	--	0	7.8
Phenanthrene	ug/kg	25	60 J	5.1 U	9.2	5.1 U	5.1 U	5.1 U	5.1 U	--	5.1 U	5.2 U	5.2 U	--	5.1 U	7.8
Pyrene	ug/kg	480	88 J	5.1 U	35	5.1 U	--	5.1 U	5.1 U	7.1	5.1 U	5.2 U	5.2 U	--	5.1 U	36
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	670 U	750 U	680 U	680 U	670 U	--	680 U	670 U	670 U	670 U	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	750 U	680 U	680 U	670 U	--	680 U	670 U	670 U	670 U	--	--	--	--	--
4-Chloroaniline	ug/kg	670 U	750 U	680 U	680 U	670 U	--	680 U	670 U	670 U	670 U	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	750 U	680 U	680 U	670 U	--	680 U	670 U	670 U	670 U	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1900 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--
Phenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01
	SAMPLE	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004
	DATE	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015
SAMPLE TOP DEPTH (FT)		0	2	5	1	5	0	2	5	0	9	0	2	2	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	2	6	1	3	6	1	10	0.5	3	3	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	2	6	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5
SAMPLE TYPE										Field Duplicate				Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	35	96	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	10 U	--	17	50	10 U
TPH as gasoline	mg/kg	--	2.2 U	1.3 U	1.1 U	1.1 U	--	1 U	1.7 U	--	0.99 U	--	--	1.3 U	--	--
TPH as motor oil	mg/kg	270	790	33	56	12	10 U	10 U	10 U	--	10 U	130	--	210	410	53
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	12 U	6.6 U	6.3 U	4.9 U	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	12 U	6.6 U	6.3 U	4.9 U	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	12 U	6.6 U	6.3 U	4.9 U	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	12 U	6.6 U	6.3 U	4.9 U	340 U	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Acetone	ug/kg	--	120 U	66 U	63 UJ	49 U	--	54 UJ	67 UJ	--	63 UJ	--	--	--	--	--
Acrolein	ug/kg	--	250 U	130 U	130 U	97 U	--	110 U	130 U	--	130 U	--	--	--	--	--
Acrylonitrile	ug/kg	--	120 U	66 U	63 U	49 U	--	54 U	67 U	--	63 U	--	--	--	--	--
Benzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Bromobenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Bromochloromethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Bromodichloromethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Bromoform	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Bromomethane	ug/kg	--	12 U	6.6 U	23	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Carbon disulfide	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Chloro methane	ug/kg	--	12 U	6.6 U	9.2	4.9 U	--	5.5	6.7 U	--	6.3 U	--	--	--	--	--
Chlorobenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Chloroethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Chloroform	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC27-7	AOC27-7	AOC27-7	AOC27-8	AOC27-8	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC27-9	AOC28a-01	AOC28a-01	AOC28a-01	AOC28b-01	AOC28c-01
	SAMPLE	AOC27-7-28503	AOC27-7-28504	AOC27-7-28505	AOC27-8-28506	AOC27-8-28507	AOC27-9-28519	AOC27-9-28521	AOC27-9-28522	AOC27-9-28520	AOC27-9-28523	AOC28a-01-34000	AOC28a-01-34001	AOC28a-01-34002	AOC28b-01-34003	AOC28c-01-34004
	DATE	2/29/2016	2/29/2016	3/1/2016	3/1/2016	3/1/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	12/17/2015	12/17/2015	12/17/2015	12/17/2015	12/17/2015
SAMPLE TOP DEPTH (FT)		0	2	5	1	5	0	2	5	0	9	0	2	2	0	0
SAMPLE BOTTOM DEPTH (FT)		1	3	6	2	6	1	3	6	1	10	0.5	3	3	0.5	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	6	2	6	0.5	3	6	0.5	10	0.5	3	3	0.5	0.5
SAMPLE TYPE										Field Duplicate				Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Ethyl- benzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Hexachlorobutadiene	ug/kg	670 U	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	670 U	6.3 U	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
Isopropylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	120 U	66 U	63 U	49 U	--	54 U	67 U	--	63 U	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	120 U	66 U	63 U	49 U	--	54 U	67 U	--	63 U	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
N-Butylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
N-Propylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	370 U	340 U	340 U	340 U	340 U	340 U	340 U	--	340 U	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Styrene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Tetrachloroethene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Toluene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Trichloroethene	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Vinyl chloride	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Xylene, m,p-	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Xylene, o-	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--
Xylenes, total	ug/kg	--	12 U	6.6 U	6.3 U	4.9 U	--	5.4 U	6.7 U	--	6.3 U	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11
	SAMPLE	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026
	DATE	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2.5	5.5	9	0	2.5	5.5	8.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
SAMPLE TYPE																
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	8.9	8.8	8.1	9.8	8.4	8.2	8.4	8.1	8.52	8.17	9.23	8.94	8.65	8.07
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	--	--	--	--	--	--	2.1 UJ	2 U	2 U	2 U	2 U	2.1 U	2 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	9.3	6.2	4.1	5.1	7.3	3.6	3.4
Barium	mg/kg	--	--	--	--	--	--	--	--	240	93	89	76	110	130	120
Beryllium	mg/kg	--	--	--	--	--	--	--	--	1 UJ	1 U	1 U	1 U	2 U	2.1 U	2 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	1 UJ	1 U	1 U	1 U	1 U	1.1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	--	--	--	0.41 UJ	--	0.4 UJ	--	0.41 UJ	1	0.48 U	0.42	0.49	0.42 U	0.41 U
Chromium, total	mg/kg	--	--	--	--	17	--	--	--	24	23	9.7	28	30	18	20
Cobalt	mg/kg	--	--	--	--	--	--	--	--	9.1	5.4	4.3	6.8	8.1	4.5	4.3
Copper	mg/kg	--	--	--	--	--	--	--	--	10 U	9.1	5	11	15	8.5	9.7
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	7.2	19	4.5	18	15	7.7	7.1
Mercury	mg/kg	--	--	--	--	--	--	--	--	0.1 UJ	0.1 U	0.1 U	0.1 U	0.11	0.13	0.1 U
Molybdenum	mg/kg	--	--	--	--	3.7	--	--	--	5	1 U	1 U	1 U	2 U	2.1 U	2 U
Nickel	mg/kg	--	--	--	--	--	--	--	--	17	11	7.4	15	19	11	11
Selenium	mg/kg	--	--	--	--	--	--	--	--	1 UJ	1 U	1 U	1 U	1 U	1.1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	1 U	1 U	1 U	1 U	2 U	2.1 U	2 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	2.1 UJ	2 U	2 U	2 U	4 U	4.3 U	4 U
Vanadium	mg/kg	--	--	--	--	--	--	--	--	45	26	17	30	35	25	24
Zinc	mg/kg	--	--	--	--	--	--	--	--	70	46	17	49	110	35	30
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	6900	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	26000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11
	SAMPLE	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026
	DATE	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2.5	5.5	9	0	2.5	5.5	8.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	12000	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5700	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	210	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1500	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	450	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3.2	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1 U	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	5.3 U	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	53 U	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	18 U	--
Aroclor 1221	ug/kg	34 U	33 U	33 U	34 U	34 U	33 U	33 U	33 U	34 U	--	--	--	--	35 U	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	18 U	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	18 U	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	18 U	--
Aroclor 1254	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	18 U	--
Aroclor 1260	ug/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	--	--	--	--	18 U	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	18 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	18 U	--
Total PCBs	ug/kg	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	--	--	--	--	18 U	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5.9	51	5.3 U	45
2-Methyl naphthalene	ug/kg	5.1 U	50 U	51 U	51 U	51 U	50 U	50 U	50 U	51 U	5 U	5.1 U	5 U	36	5.3 U	56
Acenaphthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 UJ	5.1 UJ	5 UJ	5.1 UJ	5.3 U	5.1 U
Anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U
B(a)P Equivalent	ug/kg	6.2	5.8 U	5.9 U	5.9 U	6.6	8.4	5.8 U	5.8 U	5.9 U	26	5.9 U	55	71	23	22
Benzo (a) anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	8.8	5 U	5 U	5 U	5.1 U	13	5.1 U	30	30	11	13
Benzo (a) pyrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	18	5.1 U	34	45	16	15
Benzo (b) fluoranthene	ug/kg	6.1 J	5 U	5.1 U	5.1 U	5.1 U	6	5 U	5 U	5.1 U	21	5.1 U	40	46	21	21
Benzo (ghi) perylene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	16	5.1 U	33	41	13	12
Benzo (k) fluoranthene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	20	5.1 U	34	53	10	9.2
Chrysene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	37	5 U	5 U	5 U	5.1 U	24	5.1 U	40	54	17	18
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	11	14	5.3 U	5.1 U
Fluoranthene	ug/kg	7.1	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	34	5.1 U	71	74	25	28

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11
	SAMPLE	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026
	DATE	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008
	SAMPLE TOP DEPTH (FT)	2	0	2.5	5.5	9	0	2.5	5.5	8.5	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE															
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	5 U	5.1 U	5 U	5.1 U	5.3 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	50 U	5 U	5 U	5.1 U	16	5.1 U	29	36	12	12
Naphthalene	ug/kg	5.1 U	50 U	8.3 U	6.9 U	5.8 U	5.7	6.6 U	7.8 U	6 U	5 U	4 U	5 U	5.8	5.3 U	9
PAH High molecular weight	ug/kg	20	0	0	0	65.8	6	0	0	0	194	0	385	464	148	154
PAH Low molecular weight	ug/kg	0	0	0	0	0	5.7	0	0	0	12	0	27.9	114	5.5	118
Phenanthrene	ug/kg	5.1 U	5 U	5.1 U	5.1 U	5.1 U	5 U	5 U	5 U	5.1 U	12	5.1 U	22	21	5.5	8.4
Pyrene	ug/kg	6.8	5 U	5.1 U	5.1 U	20	5 U	5 U	5 U	5.1 U	32	5.1 U	63	71	23	26
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	750 UJ	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	750 UJ	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	750 U	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	330 U	340 U	330 U	330 U	350 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	660 U	660 U	660 U	680 U	330 U	340 U	330 U	330 U	350 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	660 U	660 U	660 U	680 U	660 U	670 U	660 U	670 U	710 U	670 U
4-Chloroaniline	ug/kg	--	--	--	--	--	660 U	660 U	660 U	680 U	330 U	340 U	330 U	330 U	350 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	750 UJ	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	750 U	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	750 UJ	--
Benzoic acid	ug/kg	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	660 U	660 U	660 U	680 U	660 U	670 U	660 U	670 U	710 U	670 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	350 UJ	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	350 U	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Pentachlorophenol	ug/kg	--	330 U	330 U	340 U	340 U	1700 U	1700 U	1700 U	1700 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
Phenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11
	SAMPLE	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026
	DATE	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008
	SAMPLE TOP DEPTH (FT)	2	0	2.5	5.5	9	0	2.5	5.5	8.5	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE															
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	32	16	17	160	10 U	17	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.1 U	--	1.1 U	1.3 U	1.2 U	--	1.3 U	1.8 U	1.2 U	--	0.85 UJ	--	1 U	--	1 U
TPH as motor oil	mg/kg	17	150	15	34	700	10 U	37	10 U	39	10 U	14.2	12.1	22	51.8	46.7
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1-Dichloroethene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1-Dichloropropene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1,1-Trichloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1,2-Trichloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2-Dibromoethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2-Dichlorobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	4 U	330 U	5.1 U	350 U	6.3 U
1,2-Dichloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2-Dichloropropane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2,3-Trichlorobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2,3-Trichloropropane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,2,4-Trichlorobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	4 U	330 U	5.1 U	350 U	6.3 U
1,2,4-Trimethylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,3-Dichlorobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	4 U	330 U	5.1 U	350 U	6.3 U
1,3-Dichloropropane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,3,5-Trimethylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
1,4-Dichlorobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	330 U	6.6 U	7.8 U	6 U	330 U	4 U	330 U	5.1 U	350 U	6.3 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	350 U	--
2-Chlorotoluene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63 U
2,2-Dichloropropane	ug/kg	--	--	8.3 UJ	6.9 UJ	5.8 UJ	--	6.6 UJ	7.8 UJ	6 UJ	--	4 U	--	5.1 U	--	6.3 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	1600 U	1600 U	1600 U	1600 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
4-Isopropyltoluene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Acetone	ug/kg	--	--	83 U	69 U	58 U	--	66 U	78 U	60 U	--	40 U	--	--	--	--
Acrolein	ug/kg	--	--	170 U	140 U	120 U	--	130 U	160 U	120 U	--	80 U	--	100 U	--	130 U
Acrylonitrile	ug/kg	--	--	83 U	69 U	58 U	--	66 U	78 U	60 U	--	40 U	--	51 U	--	63 U
Benzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Bromobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Bromochloromethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Bromodichloromethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Bromoform	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 UJ	--	5.1 UJ	--	6.3 U
Bromomethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Carbon disulfide	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Carbon tetrachloride	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Chloro methane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Chlorobenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Chloroethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Chloroform	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
cis-1,2-Dichloroethene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
cis-1,3-Dichloropropene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.3 U
Dibromochloromethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC28c-01	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS1	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC28-OS2	AOC9-1	AOC9-1	AOC9-10	AOC9-10	AOC9-11	AOC9-11
	SAMPLE	AOC28c-01-34005	300a-09-1000	300a-09-1001	300a-09-1002	300a-09-1003	300b-17-1070	300b-17-1071	300b-17-1072	300b-17-1073	AOC9-1-4001	AOC9-1-4002	AOC9-10-4023	AOC9-10-4024	AOC9-11-4025	AOC9-11-4026
	DATE	12/17/2015	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/6/2011	10/1/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		2	0	2.5	5.5	9	0	2.5	5.5	8.5	0	2	0	2	0	2
SAMPLE BOTTOM DEPTH (FT)		3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	6	9.5	0.5	3	6	9	0.5	3	0.5	3	0.5	3
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Dichlorodifluoromethane	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Ethyl- benzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Hexachlorobutadiene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	660 U	6.6 U	7.8 U	6 U	330 U	4 U	330 U	5.1 U	350 U	6.3 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	710 U	--
Isophorone	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
Isopropylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.3 U
Methyl ethyl ketone	ug/kg	--	--	83 U	69 U	58 U	--	66 U	78 U	60 U	--	40 U	--	51 U	--	63 U
Methyl isobutyl ketone	ug/kg	--	--	83 U	69 U	58 U	--	66 U	78 U	60 U	--	40 U	--	51 U	--	63 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.3 U
Methylene chloride	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
N-Butylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
N-Propylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Nitrobenzene	ug/kg	--	--	--	--	--	330 U	330 U	330 U	340 U	330 U	340 U	330 U	330 U	350 U	330 U
p-Chlorotoluene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
sec-Butylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Styrene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
tert-Butylbenzene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Tetrachloroethene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Toluene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
trans-1,2-Dichloroethene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
trans-1,3-Dichloropropene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Trichloroethene	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Vinyl chloride	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Xylene, m,p-	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Xylene, o-	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U
Xylenes, total	ug/kg	--	--	8.3 U	6.9 U	5.8 U	--	6.6 U	7.8 U	6 U	--	4 U	--	5.1 U	--	6.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17
	SAMPLE	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110
	DATE	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	2	0	2	0	2	0	2	5	9	9	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	0.5	3	3	0.5	3	1	3	0.5	3	6	10	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	3	0.5	3	0.5	3	0.5	3	6	10	10	15
SAMPLE TYPE					Field Duplicate											
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	1700 J	5500 J	9300 J	290 J	600 J	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	130 J	430 J	210 J	23 J	55 J	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	18 J	48 J	110 J	2.9 J	3.7 UJ	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	7.8 J	28 J	20 J	2.6 UJ	2.4 J	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	10 J	32 J	17 UJ	1.7 UJ	3.4 UJ	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	46 J	140 J	150 J	6.1 UJ	10 UJ	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	6.1 J	38 J	12 J	1.4 UJ	2.1 UJ	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	11 J	28 J	17 J	1.2 UJ	2 UJ	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	2.9 J	19 J	6.3 UJ	3.4 J	1.2 UJ	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	29 J	90 J	60 J	4 J	7.3 UJ	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	2.4 UJ	6.8 J	5.5 J	0.55 UJ	0.39 UJ	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	220 UJ	350 UJ	420 UJ	23 UJ	34 UJ	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	4.6 J	12 J	6.9 J	1.7 UJ	1.2 UJ	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	0.09 UJ	2 UJ	2.4 UJ	0.22 UJ	0.26 UJ	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	3 J	0.73 UJ	3.5 UJ	1.5 J	0.27 UJ	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	18000 J	41000 J	51000 J	2800 J	7200 J	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	310 J	940 J	400 J	70 J	290 J	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	41	95	82	6.2	6.4	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	59	160	190	7.6	13	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	59	160	190	7.6	13	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.48	8.55	8.57	8.45	--	9.41	9.08	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 UJ	2.1 U	2 UJ	--	2 U	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Arsenic	mg/kg	7.3	6.6	5.2	--	3.8	12	7.1	2.6 J	3.1	3.3	2.9	3.3	3.3	--	--
Barium	mg/kg	190 J	220	180	--	130	170	160	160	170	72	89	91	84	--	--
Beryllium	mg/kg	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	--
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.73	0.42 U	0.4 U	--	0.41 U	1.7	0.41 U	0.21 U	0.58	4.4	0.2 U	0.2 U	0.2 U	1.2	0.21 U
Chromium, total	mg/kg	34	40	18	--	23 J	31	38	24 J	25	48	17	14	12	--	--
Cobalt	mg/kg	9.4	11	4.7	--	4.7	5.4 U	8.8	5.5 J	5	5.6	5	4.5	4	--	--
Copper	mg/kg	19	17	13	--	9.8	24	17	17 J	14	11	18	6.3	6.2	--	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	13	11	8.3	--	10	34	13	15 J	23	22	6.8	7.1	2.9	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.099 U	--	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.14	0.11	0.11 U	0.1 U	--	--
Molybdenum	mg/kg	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	--
Nickel	mg/kg	24	29	11	--	13	10	22	13	12	12	11	9.1	8.9	--	--
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	--
Silver	mg/kg	2 U	2.1 U	2 U	--	2 U	5.4 U	2 U	1.1 UJ	1 U	1 U	1 U	1 U	1 U	--	--
Thallium	mg/kg	4.1 U	4.1 U	4 U	--	4.1 U	11 U	4.1 U	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Vanadium	mg/kg	38	40	27	--	27	19	33	25 J	23	23	22	19	17	--	--
Zinc	mg/kg	57	50	36	--	35	81	61	52	46	69	34	26	21	--	--
Metals CLP																
Aluminum	mg/kg	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	38000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17
	SAMPLE	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110
	DATE	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	2	0	2	0	2	0	2	5	9	9	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	0.5	3	3	0.5	3	1	3	0.5	3	6	10	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	3	0.5	3	0.5	3	0.5	3	6	10	10	15
SAMPLE TYPE					Field Duplicate											
ANALYTE	**UNITS**															
Iron	mg/kg	22000 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	9600 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	310 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	2500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	620	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
4,4-DDE	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
4,4-DDT	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Aldrin	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
alpha-BHC	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
alpha-Chlordane	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
beta-BHC	ug/kg	1 U	--	--	--	--	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	--	--
delta-BHC	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
Dieldrin	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Endo sulfan I	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
Endo sulfan II	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Endosulfan sulfate	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Endrin	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Endrin aldehyde	ug/kg	2 U	--	--	--	--	--	--	2.2 U	2.1 U	2.1 U	2 U	2 U	2 U	--	--
Endrin ketone	ug/kg	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
gamma-Chlordane	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
Heptachlor	ug/kg	1 U	--	--	--	--	--	--	1.1 U	1.1 U	1 U	1 U	1 U	1 U	--	--
Heptachlor Epoxide	ug/kg	1 U	--	--	--	--	--	--	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U	--	--
Methoxy chlor	ug/kg	5.1 U	--	--	--	--	--	--	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
Toxaphene	ug/kg	51 U	--	--	--	--	--	--	54 U	53 U	52 U	50 U	50 U	51 U	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 UJ	--	--	--	--	--	18 U	17 U	17 U	17 U	17 U	17 U	--	--
Aroclor 1221	ug/kg	34 U	34 UJ	--	--	--	--	--	36 U	35 U	35 U	33 U	33 U	34 U	--	--
Aroclor 1232	ug/kg	17 U	17 UJ	--	--	--	--	--	18 U	17 U	17 U	17 U	17 U	17 U	--	--
Aroclor 1242	ug/kg	17 U	17 UJ	--	--	--	--	--	18 U	17 U	17 U	17 U	17 U	17 U	--	--
Aroclor 1248	ug/kg	17 U	17 UJ	--	--	--	--	--	18 U	17 U	17 U	17 U	17 U	17 U	--	--
Aroclor 1254	ug/kg	44	17 UJ	--	--	--	--	--	580	690	260	17 U	20	17 U	--	--
Aroclor 1260	ug/kg	17 U	17 UJ	--	--	--	--	--	360	300	17 U	17 U	17 U	17 U	--	--
Aroclor 1262	ug/kg	17 U	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	52.5	17 U	--	--	--	--	--	940	990	269	17 U	28.5	17 U	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U	9.8	5 U	5 U	5.1 U	--	--
Acenaphthene	ug/kg	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
Acenaphthylene	ug/kg	5.1 UJ	5.2 UJ	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
Anthracene	ug/kg	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	6.5 J	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
B(a)P Equivalent	ug/kg	21	6	65	--	24	6.2 U	37	120	170	69	17	5.8 U	5.9 U	--	--
Benzo (a) anthracene	ug/kg	8.8	5.2 U	31	9.1	--	5.4 U	15 J	40	100	32	7.7	5 U	5.1 U	--	--
Benzo (a) pyrene	ug/kg	14	5.2 U	45	--	20	5.4 U	15 J	68	120	52 U	11	5 U	5.1 U	--	--
Benzo (b) fluoranthene	ug/kg	18	5.2 U	41	14	--	5.4 U	19 J	130	270	110	23	5 U	5.1 U	--	--
Benzo (ghi) perylene	ug/kg	14	5.2 U	25	8.6	--	5.4 U	17 J	65	29	52 U	5 U	5 U	5.1 U	--	--
Benzo (k) fluoranthene	ug/kg	15	5.2 U	53	14	--	5.4 U	15 J	54 U	69	52 U	9.4	5 U	5.1 U	--	--
Chrysene	ug/kg	17	5.2 U	60	--	39 J	5.4 U	16 J	70	120	30	10	5 U	5.1 U	--	--
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.2 U	9.8	--	5.1 U	5.4 U	17 J	54 U	9.1	52 U	5 U	5 U	5.1 U	--	--
Fluoranthene	ug/kg	24	6.3	87	27	--	5.4 U	10 J	140	270	55	19	5 U	5.1 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17
	SAMPLE	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110
	DATE	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	2	0	2	0	2	0	2	5	9	9	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	0.5	3	3	0.5	3	1	3	0.5	3	6	10	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	3	0.5	3	0.5	3	0.5	3	6	10	10	15
SAMPLE TYPE					Field Duplicate											
ANALYTE	**UNITS**															
Fluorene	ug/kg	5.1 U	5.2 U	5 U	--	5.1 U	5.4 U	5.1 U	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	12	5.2 U	27	8.7	--	5.4 U	17 J	57	33	52 U	5 U	5 U	5.1 U	--	--
Naphthalene	ug/kg	5.1 U	5.2 U	5 U	4.9 U	--	5.4 U	5.1 U	5.4 U	5.3 U	5.2 U	5 U	5 U	5.1 U	--	--
PAH High molecular weight	ug/kg	145	12.3	460	137	--	0	152	700	1270	277	98.1	0	0	--	--
PAH Low molecular weight	ug/kg	7.2	0	26	--	49	0	6.5	34	56	27.8	0	0	0	--	--
Phenanthrene	ug/kg	7.2	5.2 U	26	--	49 J	5.4 U	5.1 U	34	56	18	5 U	5 U	5.1 U	--	--
Pyrene	ug/kg	22	6	81	24	--	5.4 U	11 J	130	250	50	18	5 U	5.1 U	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	710 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	710 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	670 U	680 U	660 U	--	670 U	710 U	670 U	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	710 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	710 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	710 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1800 U	1700 U	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	670 U	680 U	660 U	--	670 U	710 U	670 U	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	340 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17
	SAMPLE	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110
	DATE	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	2	0	2	0	2	0	2	5	9	9	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	0.5	3	3	0.5	3	1	3	0.5	3	6	10	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	3	0.5	3	0.5	3	0.5	3	6	10	10	15
SAMPLE TYPE					Field Duplicate											
ANALYTE	**UNITS**															
TPH as diesel	mg/kg	10 U	10 U	10 U	--	13	10 UJ	34.8	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	1 U	--	--	1.1 U	--	0.84 U	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	19.9	10 U	19.2 J	--	77.9 J	48.4 J	702 J	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	340 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	59 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1700 U	1600 U	--	1600 U	1700 U	1600 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	59 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	120 U	--	98 U	--	--	100 U	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	59 U	--	49 U	--	--	52 U	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	5.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-12	AOC9-12	AOC9-13	AOC9-13	AOC9-13	AOC9-14	AOC9-14	AOC9-15	AOC9-15	AOC9-16	AOC9-16	AOC9-16	AOC9-16	AOC9-17	AOC9-17
	SAMPLE	AOC9-12-4027	AOC9-12-4028	AOC9-13-4029	AOC9-13-4031	AOC9-13-4030	AOC9-14-4032	AOC9-14-4033	AOC9-15-4100	AOC9-15-4101	AOC9-16-4105	AOC9-16-4106	AOC9-16-4107	AOC9-16-4108	AOC9-17-4109	AOC9-17-4110
	DATE	10/1/2008	10/1/2008	9/19/2008	9/19/2008	9/19/2008	10/2/2008	10/2/2008	12/6/2015	12/6/2015	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/10/2016	1/14/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	2	0	2	0	2	0	2	5	9	9	14
SAMPLE BOTTOM DEPTH (FT)		0.5	3	0.5	3	3	0.5	3	1	3	0.5	3	6	10	10	15
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	3	0.5	3	0.5	3	0.5	3	6	10	10	15
SAMPLE TYPE					Field Duplicate											
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	340 U	5.9 U	330 U	4.9 U	--	360 U	5.2 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	670 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	5.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	59 U	--	49 U	--	--	52 U	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	59 U	--	49 U	--	--	52 U	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	5.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	340 U	330 U	--	340 U	360 U	340 U	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	5.9 U	--	4.9 U	--	--	5.2 U	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21
	SAMPLE	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125
	DATE	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
SAMPLE TYPE													Field Duplicate		Field Duplicate	
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	2000 J	--	1000 J	430 J	220 J	--	--	--	410 J	540 J	1300 J	--	--	3600	18 U
1,2,3,4,6,7,8-HpCDF	ng/kg	150 J	--	70 J	34 J	19 J	--	--	--	36 J	38 J	110 J	--	--	380	0.3 U
1,2,3,4,7,8-HxCDD	ng/kg	12 J	--	6.6 J	4.3 UJ	1.7 J	--	--	--	1.1 UJ	4.6 J	11 J	--	--	--	0.19 U
1,2,3,4,7,8-HxCDF	ng/kg	9.7 J	--	5 J	1.8 UJ	1.1 UJ	--	--	--	1.2 UJ	3.4 UJ	9.3 UJ	--	--	15 U	0.22 U
1,2,3,4,7,8,9-HpCDF	ng/kg	9.8 J	--	6.3 J	2.3 UJ	0.88 UJ	--	--	--	2.3 UJ	2.7 J	7.6 UJ	--	--	--	0.8 U
1,2,3,6,7,8-HxCDD	ng/kg	46 J	--	20 UJ	10 J	4.8 UJ	--	--	--	8.6 UJ	12 UJ	30 J	--	--	81	0.26 U
1,2,3,6,7,8-HxCDF	ng/kg	6.5 J	--	3.5 UJ	2.1 UJ	0.82 UJ	--	--	--	2.4 J	3.8 UJ	7 UJ	--	--	13 U	0.17 U
1,2,3,7,8-PeCDD	ng/kg	5.2 J	--	1.2 UJ	1.4 UJ	0.97 UJ	--	--	--	1.6 UJ	1.7 UJ	4.9 UJ	--	--	--	0.17 U
1,2,3,7,8-PeCDF	ng/kg	3.4 J	--	1.6 UJ	2.6 UJ	1.6 J	--	--	--	1.2 UJ	3.2 J	9.9 J	--	--	1 U	0.39 U
1,2,3,7,8,9-HxCDD	ng/kg	17 J	--	9.6 J	6.9 J	1.6 UJ	--	--	--	5.1 UJ	6.9 J	14 UJ	--	--	--	0.17 U
1,2,3,7,8,9-HxCDF	ng/kg	2.6 UJ	--	1.5 UJ	0.67 UJ	1 UJ	--	--	--	0.64 UJ	1.2 UJ	0.91 UJ	--	--	17 U	0.25 U
2,3,4,6,7,8-HxCDF	ng/kg	240 UJ	--	110 UJ	42 UJ	31 UJ	--	--	--	39 UJ	44 UJ	130 UJ	--	--	900 U	1.5 U
2,3,4,7,8-PeCDF	ng/kg	3.6 J	--	1.8 UJ	0.77 UJ	0.63 UJ	--	--	--	1.2 UJ	1.3 UJ	4.7 UJ	--	--	1 U	0.19 U
2,3,7,8-TCDD	ng/kg	0.14 UJ	--	0.17 UJ	0.13 UJ	0.15 UJ	--	--	--	0.25 UJ	0.23 UJ	0.48 UJ	--	--	0.23 U	0.12 U
2,3,7,8-TCDF	ng/kg	2.4 J	--	1.2 J	0.99 UJ	0.57 UJ	--	--	--	0.55 UJ	2.8 J	9.1 J	--	--	--	0.098 U
OCDD	ng/kg	18000 J	--	9400 J	4000 J	2000 J	--	--	--	3600 J	3500 J	12000 J	--	--	34000 J	170
OCDF	ng/kg	300 J	--	170 J	90 J	46 J	--	--	--	97 J	72 J	230 J	--	--	870	2.9 U
TEQ Avian	ng/kg	34	--	13	6.2	3.8	--	--	--	5.6	9.6	28	--	--	--	0.46
TEQ Human	ng/kg	55	--	24	11	5.9	--	--	--	9.8	13	35	--	--	--	0.47
TEQ Mammals	ng/kg	55	--	24	11	5.9	--	--	--	9.8	13	35	--	--	--	0.47
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	8.62	8.72	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2.1 U	2.1 UJ	2 U	2 U	2 U	2 U	2 U	--	--	--	--	--	--	2.1 U
Arsenic	mg/kg	5.9	3.8	4.2	3.7	4.1	3.9	3.2	3.3	--	--	--	--	--	3.6	3.1
Barium	mg/kg	120	110	110	89	73	98	120	150	--	--	--	--	--	170 J	200
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--	--	--	--	--	--	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--	--	1.1
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.55	0.94	--	--	--	--	0.4 U	0.41 U	--	--	--	--	--	--	--
Chromium, total	mg/kg	25	20	19	13	13	17	16	11	--	--	--	--	--	--	48
Cobalt	mg/kg	7.4	5.3	5.1	4	4.5	5.5	4.7	3	--	--	--	--	--	8.2	15
Copper	mg/kg	17	11	9.3	15	7.6	14	11	5.9	--	--	--	--	--	13	23
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	14	28	9.4	13	7.4	5.1	9.6	4.9	7.1	--	47	9.3	2.2	4	2.7
Mercury	mg/kg	0.18	0.75	0.15	0.1 U	0.12	0.1 U	0.099 U	0.1 U	0.11	0.12	0.16	--	0.1 U	--	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--	--	--	--	--	--	1 U
Nickel	mg/kg	15	9.9	12	7.8	9.9	15	11	6.9	--	--	--	--	--	18	38
Selenium	mg/kg	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	--	--	--	--	--	--	1 UJ
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	--	--	--	--	--	--	1 U
Thallium	mg/kg	2 U	2.1 U	2.1 UJ	2 U	2 U	2 U	4 U	4 U	--	--	--	--	--	--	2.1 UJ
Vanadium	mg/kg	31	22	21	17	17	21	25	20	--	--	--	--	--	31	46
Zinc	mg/kg	57	53	42	35	33	29	33	20	--	--	--	--	--	--	44
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21
	SAMPLE	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125
	DATE	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
SAMPLE TYPE													Field Duplicate		Field Duplicate	
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
4,4-DDE	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
4,4-DDT	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
Aldrin	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
alpha-BHC	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
beta-BHC	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
delta-BHC	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
Dieldrin	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
Endrin	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	2 U	2 U	2 U	2 U	--	--	2.1 U	2.1 U	2 U	--	2 U	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
Heptachlor	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	5.1 U	5.1 U	5.1 U	5.1 U	--	--	5.2 U	5.2 U	5.1 U	--	5.1 U	--	--
Toxaphene	ug/kg	--	--	51 U	51 U	51 U	51 U	--	--	52 U	52 U	51 U	--	51 U	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	--	17 U	--	16 U
Aroclor 1221	ug/kg	34 R	--	34 U	33 U	33 U	34 U	--	--	34 U	34 U	34 U	--	34 U	--	31 U
Aroclor 1232	ug/kg	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	--	17 U	--	16 U
Aroclor 1242	ug/kg	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	--	17 U	--	16 UJ
Aroclor 1248	ug/kg	17 R	--	17 U	17 U	17 U	17 U	--	--	17 U	17 U	17 U	--	17 U	--	16 U
Aroclor 1254	ug/kg	35 J	--	26	29	17 U	17 U	--	--	53	--	87	36	17 U	--	16 U
Aroclor 1260	ug/kg	17 R	--	21	19	17 U	17 U	--	--	17 U	17 U	39	--	17 U	--	16 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	43.5 JH	--	47	48	17 U	17 U	--	--	61.5	--	126	44.5	17 U	--	16 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	--	5.2 U
2-Methyl naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	--	5.2 U
Acenaphthene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	9.9	--	5.1 U	--	5.2 U
Acenaphthylene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	--	5.2 U
Anthracene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	23	--	5.1 U	--	5.2 U
B(a)P Equivalent	ug/kg	97	180	24	33	5.9 U	5.9 U	11	5.9 U	13	95	340	--	5.9 U	21	6 U
Benzo (a) anthracene	ug/kg	31	73 J	11	15	5.1 U	5.1 U	5 U	5.1 U	6.2	74 J	260	--	5.1 U	24	5.2 U
Benzo (a) pyrene	ug/kg	57 J	120 None	16	23	5.1 U	5.1 U	6.6	5.1 U	7.3	72 J	240	--	5.1 U	13	5.2 U
Benzo (b) fluoranthene	ug/kg	88 J	250 None	32	44	5.1 U	5.1 U	9.5	5.1 U	17	110 J	380	--	5.1 U	--	5.2 U
Benzo (ghi) perylene	ug/kg	51 U	52 U	7.9	10	5.1 U	5.1 U	6.2	5.1 U	5.2 U	19	75	--	5.1 U	7.7	5.2 U
Benzo (k) fluoranthene	ug/kg	51 U	90 J	8.5	13	5.1 U	5.1 U	5 U	5.1 U	7.3	42 J	170	--	5.1 U	--	5.2 U
Chrysene	ug/kg	54	130 J	20	27	5.1 U	5.1 U	7.4	5.1 U	8	58	190	--	5.1 U	21	5.2 U
Dibenzo (a,h) anthracene	ug/kg	51 U	52 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	51 U	--	5.1 U	--	5.2 U
Fluoranthene	ug/kg	76	140	28	39	5.1 U	5.1 U	10	5.1 U	16	--	540	51 J	5.1 U	37 J	5.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21
	SAMPLE	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125
	DATE	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
SAMPLE TYPE													Field Duplicate		Field Duplicate	
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.1	--	5.1 U	--	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	51 U	52 U	7.2	9.8	5.1 U	5.1 U	5.5	5.1 U	5.2 U	19	72	--	5.1 U	6.7	5.2 U
Naphthalene	ug/kg	5.1 U	5.2 U	5.1 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5.2 U	5.2 U	5.1 U	--	5.1 U	--	5.2 U
PAH High molecular weight	ug/kg	382	933	158	222	0	0	54.9	0	76.8	604	2400	--	0	181	0
PAH Low molecular weight	ug/kg	17	43	6.8	9.1	0	0	0	0	5.9	41	258	--	0	14	0
Phenanthrene	ug/kg	17	43	6.8	9.1	5.1 U	5.1 U	5 U	5.1 U	5.9	41 J	220	--	5.1 U	--	5.2 U
Pyrene	ug/kg	76	130	27	41	5.1 U	5.1 U	9.7	5.1 U	15	--	470	47 J	5.1 U	39 J	5.2 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	660 U	670 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	1700 U	1700 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	1700 U	1700 U	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	660 U	670 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21
	SAMPLE	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125
	DATE	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
SAMPLE TYPE													Field Duplicate		Field Duplicate	
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	10 U	10 U	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	0.93 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	10 U	10 U	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	5.2 U	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	5.2 U	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	5.2 U	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	330 U	5.2 U	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	1600 U	1600 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	100 U	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	52 U	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-18	AOC9-18	AOC9-19	AOC9-19	AOC9-19	AOC9-19	AOC9-2	AOC9-2	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-20	AOC9-21	AOC9-21
	SAMPLE	AOC9-18-4111	AOC9-18-4112	AOC9-19-4114	AOC9-19-4115	AOC9-19-4116	AOC9-19-4117	AOC9-2-4003	AOC9-2-4004	AOC9-20-4118	AOC9-20-4119	AOC9-20-4121	AOC9-20-4120	AOC9-20-4122	AOC9-21-4124	AOC9-21-4125
	DATE	1/10/2016	1/10/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	9/18/2008	9/18/2008	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/13/2016	1/8/2017	1/8/2017
SAMPLE TOP DEPTH (FT)		5	9	0	2	5	9	0	2	0	2	5	2	9	0	2
SAMPLE BOTTOM DEPTH (FT)		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	10	0.5	3	6	10	0.5	3	0.5	3	6	3	10	0.5	3
SAMPLE TYPE													Field Duplicate		Field Duplicate	
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	330 U	5.2 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	52 U	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	52 U	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	330 U	330 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	5.2 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7
	SAMPLE	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014
	DATE	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		5	0	0	2	4.5	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	5.6 U	--	960	3800	100	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	0.87 U	--	49	200	5.3 U	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	0.22 U	14	9.9 J	20	0.34 U	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	0.35 U	--	1.4 U	23	0.35 U	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	0.19 U	27 J	2.6 U	18	6.5 U	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	0.24 U	--	22	63	3.9 J	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	0.3 U	--	5.5 J	32 U	0.75 U	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	0.063 U	2.6 U	5.2 U	73 U	0.32 U	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	0.13 U	--	11 J	3.8 U	1.6 U	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	0.19 U	23	13	26	1.1 J	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	0.39 U	--	1.6 U	6.4 U	0.41 U	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	0.35 U	--	110 U	5.6 U	44 U	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	0.13 U	--	2.5 U	3.8 U	0.15 U	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	0.16 U	--	0.26 U	1.4 U	0.1 U	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	0.36 U	0.51 U	11	7.7 U	0.19 U	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	94 U	--	8100	24000	1000	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	2.2 U	--	87	480	22 J	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	0.46 U	68	27	60	3.2	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	0.3 U	110	28	100	4.4	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	0.3 U	110	28	100	4.4	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	7.92	8.22	7.63	7.69	9.12	9.01	--	8.77	8.34	8.27
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2.4 U	2.1 U	2.2 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2.1 U	2 U
Arsenic	mg/kg	3	--	4.6	5.1	1.5	3.2	3.5	3.7	3.9	4.9	7	--	3.8	3.8	2.2
Barium	mg/kg	220	--	190	140	130	110	130	120	110	90	--	130	180	120	94
Beryllium	mg/kg	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U	--	2 U	2 U	2.1 U	2 U
Cadmium	mg/kg	1.1	1 U	1.2 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.04
Chromium, Hexavalent	mg/kg	--	--	--	--	--	0.4 U	0.45 U	1.1	0.4 U	0.73	--	1	0.79	0.46 U	4.4
Chromium, total	mg/kg	57	34	30	62	41	25	15	22	19	35	43	--	25	16	72
Cobalt	mg/kg	12	--	8.2	6.8	2.6	4.1	3.8	5	4.6	7.1	7.7	--	5.4	5	4.2
Copper	mg/kg	22	--	23	27	13	17	7.3	12	11	19	--	21	12	9.3	14
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.024 J
Lead	mg/kg	2.4	--	17	20	6.4	9	23	13	11	28	--	25	23	5	15
Mercury	mg/kg	0.1 U	0.1 U	0.12 U	0.17	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.27	0.14	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U	--	2 U	2 U	2.1 U	2 U
Nickel	mg/kg	38	--	18	16	5.9	12	10	12	11	17	--	20	13	14	11
Selenium	mg/kg	1 UJ	1 UJ	1.2 UJ	1 UJ	1.1 UJ	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1.2 U	1 U	1.1 U	2 U	2 U	2 U	2 U	1 U	--	2 U	2 U	2.1 U	2 U
Thallium	mg/kg	2.1 UJ	2.1 UJ	2.4 UJ	2.1 UJ	2.2 UJ	4 U	4.1 U	4 U	4 U	2 U	--	4 U	4 U	4.2 U	4 U
Vanadium	mg/kg	47	--	32	28	18	24	23	29	25	30	34	--	31	25	22
Zinc	mg/kg	42	47 J	60	42	18	49	92	53	42	100	85	--	68	31	120
Metals CLP																
Aluminum	mg/kg	--	9100	--	--	--	--	--	--	--	10000	--	--	--	--	--
Calcium	mg/kg	--	25000	--	--	--	--	--	--	--	26000	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	1 U	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7
	SAMPLE	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014
	DATE	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		5	0	0	2	4.5	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE												Field Duplicate				
ANALYTE	**UNITS**															
Iron	mg/kg	--	19000	--	--	--	--	--	--	--	17000	--	--	--	--	--
Magnesium	mg/kg	--	6800 J	--	--	--	--	--	--	--	7400	--	--	--	--	--
Manganese	mg/kg	--	230	--	--	--	--	--	--	--	250	--	--	--	--	--
Potassium	mg/kg	--	1900 J	--	--	--	--	--	--	--	2300	--	--	--	--	--
Sodium	mg/kg	--	260	--	--	--	--	--	--	--	810	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDE	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
4,4-DDT	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Aldrin	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
beta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
delta-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Dieldrin	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endo sulfan I	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Endo sulfan II	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
Endrin ketone	ug/kg	--	2.1 U	--	--	--	--	--	--	--	2 U	--	--	--	--	--
gamma-BHC	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1 U	--	--	--	--	--	--	--	1 U	--	--	--	--	--
Methoxy chlor	ug/kg	--	5.2 U	--	--	--	--	--	--	--	5 U	--	--	--	--	--
Toxaphene	ug/kg	--	52 U	--	--	--	--	--	--	--	50 U	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	19 U	17 U	18 U	--	--	--	--	16 U	--	17 UJ	--	--	--
Aroclor 1221	ug/kg	34 U	35 U	39 U	35 U	36 U	--	--	--	--	33 U	--	33 UJ	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	19 U	17 U	18 U	--	--	--	--	16 U	--	17 UJ	--	--	--
Aroclor 1242	ug/kg	17 UJ	17 UJ	19 UJ	17 UJ	18 UJ	--	--	--	--	16 U	--	17 UJ	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	19 UJ	17 UJ	18 UJ	--	--	--	--	16 U	--	17 UJ	--	--	--
Aroclor 1254	ug/kg	17 U	28	780	1400	18 U	--	--	--	--	160	--	160 J	--	--	--
Aroclor 1260	ug/kg	17 U	32	550	930	18 U	--	--	--	--	16 U	--	17 UJ	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	16 U	--	17 UJ	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	16 U	--	17 UJ	--	--	--
Total PCBs	ug/kg	17 U	60	1330	2330	18 U	--	--	--	--	168	--	169	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	160	--	220 J	5.1 U	5.2 U	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	120	--	240 J	5.1 U	5.2 U	5 U
Acenaphthene	ug/kg	5.2 U	5.2 U	5.9 U	5.3	53	5 U	5.1 U	5 U	5 U	5.1	--	5.1 U	5.1 U	5.2 U	5 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	5 UJ	--	5.1 UJ	5.1 U	5.2 U	5 U
Anthracene	ug/kg	5.2 U	5.2 U	5.9	41	190	5 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5.1 U	5.2 U	5 U
B(a)P Equivalent	ug/kg	6 U	--	180	980	600	24	5.9 U	33	31	110	--	110	110	6.3	33
Benzo (a) anthracene	ug/kg	5.2 U	--	140	1000	860	12	5.1 U	19	18	60	--	57	54	5.2 U	17
Benzo (a) pyrene	ug/kg	5.2 U	--	130	730	410	16	5.1 U	23	22	73	--	75	77	5.2 U	21
Benzo (b) fluoranthene	ug/kg	5.2 U	28 J	300	1300	780	24	5.1 U	32	31	77	--	75	120	5.8	33
Benzo (ghi) perylene	ug/kg	5.2 U	--	57	150	210	14	5.1 U	19	18	58	--	62	50	5.2 U	20
Benzo (k) fluoranthene	ug/kg	5.2 U	8.4	61	270	190	11	5.1 U	14	14	90	--	94	36	5.2 U	9.3
Chrysene	ug/kg	5.2 U	--	150	830	660	20	5.1 U	27	28	95	--	93	87	5.2 U	26
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	17	--	18	12	5.2 U	5.1
Fluoranthene	ug/kg	5.2 U	--	290	1800	2200	32	5.1 U	44	44	140	--	130	130	6.2	44

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Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7
	SAMPLE	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014
	DATE	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008
	SAMPLE TOP DEPTH (FT)	5	0	0	2	4.5	0	2	0	2	0	2	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
	SAMPLE TYPE											Field Duplicate				
ANALYTE	**UNITS**															
Fluorene	ug/kg	5.2 U	5.2 U	5.9 U	5.3 U	29	5 U	5.1 U	5 U	5 U	5 U	--	5.1 U	5.1 U	5.2 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	--	59	160	190	14	5.1 U	18	18	52	--	53	43	5.2 U	18
Naphthalene	ug/kg	5.2 U	5.2 U	5.9 U	5.3 U	5.5 U	5 U	5.1 U	5 U	5 U	16	--	32	5.1 U	5.2 U	5 U
PAH High molecular weight	ug/kg	0	--	1460	7840	7200	172	0	237	234	792	--	777	739	18.2	231
PAH Low molecular weight	ug/kg	0	--	98.9	506	1770	9.1	0	13	15	347	--	531	26	0	11
Phenanthrene	ug/kg	5.2 U	8.4	93	460	1500	9.1	5.1 U	13	15	46	--	39	26	5.2 U	11
Pyrene	ug/kg	5.2 U	--	270	1600	1700	29	5.1 U	41	41	130	--	120	130	6.2	38
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	730 U	--	--	--	--	--	--	--	700 U	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	730 U	--	--	--	--	--	--	--	700 U	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2-Chlorophenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2-Methylphenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2-Nitroaniline	ug/kg	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
2-Nitrophenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	730 U	--	--	--	--	--	--	--	700 U	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	1700 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2,4-Dimethylphenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2,4-Dinitrophenol	ug/kg	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
2,6-Dinitrotoluene	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
3-Nitroaniline	ug/kg	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	690 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	690 U	--	--	--	660 U	680 U	670 U	660 U	660 U	--	670 U	1700 U	690 U	660 U
4-Chloroaniline	ug/kg	--	690 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
4-Methylphenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
4-Nitroaniline	ug/kg	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
4-Nitrophenol	ug/kg	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	1700 U	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	--	1700 U	4200 U	1700 U	1700 U
Acetophenone	ug/kg	--	730 U	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Atrazine	ug/kg	--	730 U	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Benzaldehyde	ug/kg	--	730 U	--	--	--	--	--	--	--	700 U	--	--	--	--	--
Benzoic acid	ug/kg	--	1700 U	--	--	--	1700 U	1700 U	1700 U	1700 U	1600 U	--	1700 U	4200 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	690 U	--	--	--	660 U	680 U	670 U	660 U	660 U	--	670 U	1700 U	690 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Butylbenzylphthalate	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Caprolactam	ug/kg	--	350 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Carbazole	ug/kg	--	350 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Di-n-octyl phthalate	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Dibenzofuran	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Diethyl phthalate	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Dimethyl phthalate	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Hexachlorobenzene	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Hexachloroethane	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
N-nitrosodiphenylamine	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Pentachlorophenol	ug/kg	--	1700 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
Phenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7
	SAMPLE	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014
	DATE	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		5	0	0	2	4.5	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	10 U	10 U	10 U	10 U	10 U	--	10 U	101 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	1.2 UJ	--	3.7 U	--	0.78 U	--	--	66 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	24.4	17.3	11.8	11.7	61.6	59.4	--	101 U	10 U	31.1
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1-Dichloroethene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1-Dichloropropene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1,1-Trichloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1,2-Trichloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2-Dibromoethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2-Dichlorobenzene	ug/kg	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U	--	830 U	5.5 U	330 U
1,2-Dichloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2-Dichloropropane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2,3-Trichlorobenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2,3-Trichloropropane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,2,4-Trichlorobenzene	ug/kg	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U	--	830 U	5.5 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,3-Dichlorobenzene	ug/kg	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U	--	830 U	5.5 U	330 U
1,3-Dichloropropane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,3,5-Trimethylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
1,4-Dichlorobenzene	ug/kg	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U	--	830 U	5.5 U	330 U
1,4-Dioxane	ug/kg	--	350 U	--	--	--	--	--	--	--	330 U	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
2-Hexanone	ug/kg	--	71 U	--	--	--	--	--	--	--	--	43 U	--	--	--	--
2,2-Dichloropropane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
2,4,5-Trichlorophenol	ug/kg	--	350 U	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	--	1600 U	4000 U	1700 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
4-Isopropyltoluene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Acetone	ug/kg	--	71 U	--	--	--	--	--	--	59 U	--	43 U	--	--	--	--
Acrolein	ug/kg	--	140 U	--	--	--	--	100 U	--	120 U	--	86 U	--	--	110 U	--
Acrylonitrile	ug/kg	--	71 U	--	--	--	--	51 U	--	59 U	--	43 U	--	--	55 U	--
Benzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
bis (2-chloroethyl) ether	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Bromobenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Bromochloromethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Bromodichloromethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Bromoform	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 UJ	--	--	5.5 U	--
Bromomethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Carbon disulfide	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Carbon tetrachloride	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Chloro methane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Chlorobenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Chloroethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Chloroform	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
cis-1,2-Dichloroethene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
cis-1,3-Dichloropropene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Cyclohexane	ug/kg	--	7.1 U	--	--	--	--	--	--	--	--	4.3 U	--	--	--	--
Dibromochloromethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-21	AOC9-21	AOC9-22	AOC9-22	AOC9-22	AOC9-3	AOC9-3	AOC9-4	AOC9-4	AOC9-5	AOC9-5	AOC9-5	AOC9-6	AOC9-6	AOC9-7
	SAMPLE	AOC9-21-4126	AOC9-21-4123	AOC9-22-4127	AOC9-22-4128	AOC9-22-4129	AOC9-3-4005	AOC9-3-4006	AOC9-4-4007	AOC9-4-4008	AOC9-5-4009	AOC9-5-4011	AOC9-5-4010	AOC9-6-4012	AOC9-6-4013	AOC9-7-4014
	DATE	1/8/2017	1/8/2017	1/4/2017	1/4/2017	1/4/2017	9/18/2008	9/18/2008	9/18/2008	9/18/2008	10/1/2008	10/1/2008	10/1/2008	9/18/2008	9/18/2008	9/18/2008
SAMPLE TOP DEPTH (FT)		5	0	0	2	4.5	0	2	0	2	0	2	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		6	0.5	0.5	3	5	0.5	3	0.5	3	0.5	3	3	0.5	3	0.5
SAMPLE TYPE												Field Duplicate				
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Dichlorodifluoromethane	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Ethyl- benzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Hexachlorobutadiene	ug/kg	--	7.1 U	--	--	--	330 U	5.1 U	330 U	5.9 U	330 U	4.3 U	--	830 U	5.5 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	690 U	--	--	--	--	--	--	--	660 U	--	--	--	--	--
Isophorone	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
Isopropylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Methyl acetate	ug/kg	--	7.1 UJ	--	--	--	--	--	--	--	--	4.3 U	--	--	--	--
Methyl ethyl ketone	ug/kg	--	71 U	--	--	--	--	51 U	--	59 U	--	43 U	--	--	55 U	--
Methyl isobutyl ketone	ug/kg	--	71 U	--	--	--	--	51 U	--	59 U	--	43 U	--	--	55 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Methylcyclohexane	ug/kg	--	7.1 U	--	--	--	--	--	--	--	--	4.3 U	--	--	--	--
Methylene chloride	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
N-Butylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
N-Propylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Nitrobenzene	ug/kg	--	350 U	--	--	--	330 U	340 U	330 U	330 U	330 U	--	330 U	830 U	340 U	330 U
p-Chlorotoluene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
sec-Butylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Styrene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
tert-Butylbenzene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Tetrachloroethene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Toluene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
trans-1,2-Dichloroethene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
trans-1,3-Dichloropropene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Trichloroethene	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Vinyl chloride	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Xylene, m,p-	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Xylene, o-	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--
Xylenes, total	ug/kg	--	7.1 U	--	--	--	--	5.1 U	--	5.9 U	--	4.3 U	--	--	5.5 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L-1
	SAMPLE	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L1-S
	DATE	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008	11/1/1998	11/1/1998	2/20/2003
SAMPLE TOP DEPTH (FT)		2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	3200 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	210 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	21 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	9.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	15 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	59 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	6 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	6.1 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	2.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	19 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	3.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	350 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	3.1 J	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.44 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	1.2 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	34000 J	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	490 J	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	42	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	81	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	81	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	7	5.9	4 U	--	--	--
pH	PHUNITS	8.71	8.68	8.2	8.42	9.13	8.36	8.57	--	8.8	7.7	8.46	8.48	8.81	8.14	7.5
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	15.7	27.4	13.3	--	--	--
Metals																
Antimony	mg/kg	2 U	2.1 U	2 U	2 U	2 U	2.1 U	--	2.1 U	--	4.4 U	4.9 U	4.7 U	--	--	--
Arsenic	mg/kg	4.3	6.3	3.6	4	5	4.8	--	4.9	--	8.3	7.4	5.9	--	--	--
Barium	mg/kg	83	130	100	87	120	91	--	97	--	163	595	264	--	--	--
Beryllium	mg/kg	1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U	4.7 U	--	--	--
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	8.8 U	9.8 U	9.3 U	--	--	--
Chromium-SPLP	mg/l	--	--	1.7	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.41 U	2.4	48.6 J	1.3	0.4 U	0.42 U	--	1.5	4 U	31.5	6	4.4	0.59	0.5 U	4.1 U
Chromium, total	mg/kg	13	41	230	13	14	21	--	28	21.5	652	243	224	33.7	21.9	88.4
Cobalt	mg/kg	2.9	5.3	4.4	3.7	3.9	6.9	7.3	--	--	4.4 U	4.9 U	4.7 U	--	--	--
Copper	mg/kg	6.7	13	11	5.5	8	10	--	11	13.7	137	66.5	46.5	2.2	8.2	34.8
CR6 SPLP	mg/l	--	--	1.6 J	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	20	59	20	4.4	7	3.8	--	4.9	--	14.3	13.1	12	--	--	--
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	--	0.019 U	0.019 U	0.02 U	--	--	--
Molybdenum	mg/kg	1 U	4.5	1	1 U	1 U	1 U	--	1 U	--	2.5 U	4.9 U	4.7 U	--	--	--
Nickel	mg/kg	6.7	12	10	8.1	8.1	15	--	15	14.3	4.4 U	4.9 U	4.7 U	0.28 J	6	17
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U	4.7 U	--	--	--
Silver	mg/kg	1 U	2.1 U	1 U	1 U	1 U	1 U	--	1 U	--	4.4 U	4.9 U	4.7 U	--	--	--
Thallium	mg/kg	2 U	4.1	2 U	2 U	2 U	2.1 U	--	2.1 U	--	8.8 U	9.8 U	9.3 U	--	--	--
Vanadium	mg/kg	18	25	20	17	19	32	--	31	--	39.5	36.2	34.5	--	--	--
Zinc	mg/kg	29	130	1000	21	34	41	--	53	55	134	147	197	31.3	32.7	99.7
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	265000	234000	22500	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L-1
	SAMPLE	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L1-S
	DATE	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008	11/1/1998	11/1/1998	2/20/2003
SAMPLE TOP DEPTH (FT)		2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	8680	14000	14200	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	14300	13200	12800	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	1730	2120	2640	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	2790	1780	1820	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5 U	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.2 UJ	--	5.2 UJ	--	--	--	--	--	--	--
Anthracene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	15	35	71	16	21	12	--	19	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	6.3	16	36	13	8.2	5.2 U	--	9	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	10	22	46	10	15	7.2	--	13	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	15	23	50	12	16	7.2	--	14	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	6.7	18	36	6.5	15	7.4	--	12	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	7.4	27	62	12	18	9	--	16	--	--	--	--	--	--	--
Chrysene	ug/kg	11	27	64	15	17	7.1	--	15	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5 U	6.8	12	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--	--	--	--
Fluoranthene	ug/kg	14	38	97	27	21	7.2	--	19	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L-1
	SAMPLE	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L1-S
	DATE	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008	11/1/1998	11/1/1998	2/20/2003
SAMPLE TOP DEPTH (FT)		2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5.1 U	5.1 U	5.1 U	5.1 U	5.2 U	--	5.2 U	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	6.4	16	35	6.1	13	6.5	--	10	--	--	--	--	--	--	--
Naphthalene	ug/kg	5 U	4.8 U	5.1 U	3.5 U	5.1 U	4.4 U	4.1 U	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	90.8	230	526	127	143	59.1	--	126	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	0	14	30	7.5	6.8	0	--	5.5	--	--	--	--	--	--	--
Phenanthrene	ug/kg	5 U	14	30	7.5	6.8	5.2 U	--	5.5	--	--	--	--	--	--	--
Pyrene	ug/kg	14	36	88	25	20	7.5	--	18	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	660 U	680 U	670 U	670 U	670 U	680 U	--	680 U	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 UJ	1700 U	1700 U	--	1700 U	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	660 U	680 U	670 U	670 U	670 U	680 U	--	680 U	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
Phenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L-1
	SAMPLE	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L1-S
	DATE	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008	11/1/1998	11/1/1998	2/20/2003
SAMPLE TOP DEPTH (FT)		2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate								
ANALYTE	**UNITS**															
TPH as diesel	mg/kg	10 U	10 U	10 U	10 U	10 U	10 U	--	10 U	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	1 U	0.92 U	--	0.79 U	--	0.96 U	--	0.75 U	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	10 U	48.8	42.7	15.5	20.3	10 U	--	10 U	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	48 U	--	35 U	--	44 U	--	46 UJ	--	--	--	--	--	--	--
Acrolein	ug/kg	100 U	97 U	--	70 U	--	88 U	83 U	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--	--	--	--	--
Benzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Bromobenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Bromoform	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 UJ	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Chloroform	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	AOC9-7	AOC9-8	AOC9-8	AOC9-8	AOC9-9	AOC9-9	AOC9-9	AOC9-9	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L-1
	SAMPLE	AOC9-7-4015	AOC9-8-4017	AOC9-8-4016	AOC9-8-4018	AOC9-9-4019	AOC9-9-4020	AOC9-9-4022	AOC9-9-4021	Bank 1	DTSC-AOC10d-1	DTSC-AOC10d-2	DTSC-AOC10d-3	GS-1	GS-2	L1-S
	DATE	9/18/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	10/1/2008	3/7/2003	1/18/2008	1/18/2008	1/18/2008	11/1/1998	11/1/1998	2/20/2003
SAMPLE TOP DEPTH (FT)		2	2.5	0	5.5	0	2.5	5.5	5.5	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	3	0.5	6	0.5	3	6	6	0	0	0	0	0	0	0
SAMPLE TYPE								Field Duplicate								
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	5.1 U	4.8 U	330 U	3.5 U	330 U	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	51 U	48 U	--	35 U	--	44 U	41 U	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	330 U	340 U	330 U	340 U	330 U	340 U	--	340 U	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Styrene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Toluene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	5.1 U	4.8 U	--	3.5 U	--	4.4 U	4.1 U	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S
	SAMPLE	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02
	DATE	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	3	8	18	8	1.5	19
SAMPLE BOTTOM DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
SAMPLE TYPE														Field Duplicate		
ANALYTE	**UNITS**															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	3.7	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.7	8.8	8.7	8.8	8.6	8.8	8.9	9.4	8.8	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	7.3	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	2 U	2.1 U	4.1 U	--	2.1 UJ	2.1 U
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	9.2	--	9.9	8.4	2.1 U	12
Barium	mg/kg	--	--	--	--	--	--	--	--	--	270	85	240	--	410	240
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	2 U	1 U	2.1 U	--	2.1 U	2.1 U
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2.1 U	--	1.1 U	1.1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	2.5	4.7 U	13	41	99	1.2 J	4.5 U	4 U	9.4	0.16 U	--	0.16 U	0.16 U	150	0.43
Chromium, total	mg/kg	217	86.8	3360	1610	2740	379	28.4	77.7	228	26	--	25	22	4000	33
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	7.8	--	10	8	8.2	12
Copper	mg/kg	69.6	42.7	211	139	288	79.7	22.7	17.2	40.5	11	11	12	--	300	24
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	6.7	--	4.3	2.9	160	4
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U	--	0.33	0.11 U
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	2 U	1.3	3	--	3.5	2.1 U
Nickel	mg/kg	10.8	22.8	18	19	25	10.1	18.1	11.9	15.1	17	16	16	--	24	25
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	1 U	1 U	2.1 U	--	1.1 U	1.1 U
Silver	mg/kg	--	--	--	--	--	--	--	--	--	2 U	1 U	2.1 U	--	2.1 U	2.1 U
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	4.1 U	2.1 U	4.1 U	--	6.1	4.7
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	34	28	31	--	23	38
Zinc	mg/kg	123	122	278	203	299	252	74.3	61.9	129	52	--	68	48	300	63
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	139000	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S
	SAMPLE	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02
	DATE	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	3	8	18	8	1.5	19
SAMPLE BOTTOM DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
SAMPLE TYPE														Field Duplicate		
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	540 J	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	12800	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	1280 J	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	5.9 U	6 U	6 U	--	--	6.1 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S
	SAMPLE	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02
	DATE	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	3	8	18	8	1.5	19
SAMPLE BOTTOM DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	--	--	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	0	0	0	--	--	0
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	5.1 U	5.2 U	5.2 U	--	--	5.3 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	680 U	680 U	680 U	--	--	700 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	--	--	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	680 U	680 U	680 U	--	--	700 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S
	SAMPLE	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02
	DATE	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	3	8	18	8	1.5	19
SAMPLE BOTTOM DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--	--	11 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	0.96 U	0.89 U	0.83 U	--	--	1.4 U
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	--	--	11 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	1600 U	--	1600 U	1600 U	--	1700 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	86 U	--	84 U	90 U	--	91 U
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	L-1	L-2	L-2	L-2-2	L-2-3	L-3	L-3	L-3	L-3-2	MW-57BR	MW-57BR	MW-57BR	MW-57BR	MW-58BR.S	MW-58BR.S
	SAMPLE	L1-2	L2-S	L2-2	L22-2	L23-2	L3-1	L3-S	L3-1.5	L32-.5	MW-57-BR-SS01	MW-57-BR-SS02	MW-57-BR-SS03	MW-175-SS04	MW-58-BR-SS01	MW-58-BR-SS02
	DATE	2/20/2003	2/20/2003	2/20/2003	3/5/2003	3/5/2003	2/20/2003	2/20/2003	2/20/2003	3/5/2003	1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/29/2009	1/29/2009
SAMPLE TOP DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	3	8	18	8	1.5	19
SAMPLE BOTTOM DEPTH (FT)		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	0	2	2	2	1	0	1.5	0.5	4	9	19	9	2	20
SAMPLE TYPE														Field Duplicate		
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	43 U	--	42 U	45 U	--	46 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	340 U	340 U	340 U	--	--	350 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	4.3 U	--	4.2 U	4.5 U	--	4.6 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10	PA-10
	SAMPLE	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01	PA-10-02
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	0	0	0	2	0	5	9	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	1	1	1	3	1	6	10	3	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5	3
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4600 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	320 J	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	47 J	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	27 J	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	20 J	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	130 J	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	22 J	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	28 J	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	9.1 J	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	66 J	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	4.8 J	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	260 UJ	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	10 J	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 UJ	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	3.9 J	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	41000 J	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	530 J	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	85	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	140	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	140	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2.1 U	2.2 U	2 U	2 U	2 U	2.1 UJ	2.2 U	2 U	2 U	--	2 U	2.1 U	--
Arsenic	mg/kg	13	12	8.3	8.4	3.6	2.4	4.9	4.4	4.8	2.4	1.5	--	4.2	7	--
Barium	mg/kg	110	150	180	37	130	69	160	330	290	110	140	--	95	150	--
Beryllium	mg/kg	2.1 U	2.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	--
Cadmium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.17 U	0.43	0.17 U	0.18 U	0.42	0.89	1.9	0.26	0.82	0.2 U	0.2 U	--	0.2 U	0.95	--
Chromium, total	mg/kg	26	35	24	27	27	30	66	--	26	7.1	5.8	14	21	40	--
Cobalt	mg/kg	11	12	8.7	13	6.9	8.1	4.9	8.6 J	10	5.9	5.4	--	6.7	4.3	--
Copper	mg/kg	14	17	17	58	16	15	19	13 J	62	6.2	4.8	--	13	24	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	3.6	4.2	3.7	3.4	7.4	5.2	17	--	19	1.7	1.2	9.3 J	150	56	--
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	--	0.18	0.1 U	--
Molybdenum	mg/kg	2.1 U	2.1 U	1.1 U	1.1 U	1 U	1 U	1.3	1 U	1.1 U	1 U	1 U	--	1 U	1 U	--
Nickel	mg/kg	19	22	16	22	19	20	13	9.1	20	7.1	5.2	--	13	8	--
Selenium	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 UJ	1.1 U	1 U	1 U	--	1 U	1 U	--
Silver	mg/kg	2.1 U	2.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	--
Thallium	mg/kg	4.8	4.7	2.1 U	2.2 U	2 U	2 U	2 U	2.1 U	2.2 U	2 U	2 U	--	2 U	2.1 U	--
Vanadium	mg/kg	33	34	28	28	33	23	22	35 J	33	21	21	--	32	20	--
Zinc	mg/kg	64	51	46	41	83	74	170	44	94	21	23	--	130	190	--
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	9000	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	21000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	0.21 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10	PA-10
	SAMPLE	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01	PA-10-02
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	0	0	0	2	0	5	9	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	1	1	1	3	1	6	10	3	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5	3
SAMPLE TYPE													Field Duplicate			
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	19000	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	6800	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	260	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	3700 J	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	300 J	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	34 U	34 U	34 U	34 U	36 U	33 U	33 U	--	33 U	34 U	34 U
Aroclor 1232	ug/kg	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 UJ	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	20	17 U	100	17 U	38	17 U	17 U	--	51	590	17 U
Aroclor 1260	ug/kg	--	--	--	--	17 U	17 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	45.5	34 U	126	34 U	65	34 U	34 U	--	76.5	616	34 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	7.5 J	5.1 U
Acenaphthene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	11 J	5.1 U
Acenaphthylene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	9.2 J	5.1 U
Anthracene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	38 J	5.1 U
B(a)P Equivalent	ug/kg	6.1 U	6.1 U	6.1 U	6.4 U	13	6.5	470	6 U	150	56 U	5.8 U	--	64	2300	5.9 U
Benzo (a) anthracene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	230	5.2 U	59 J	5 U	5 U	--	12	1600 J	5.1 U
Benzo (a) pyrene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	8.1	5.1 U	300	5.2 U	94	50 U	5 U	--	50 U	1600	5.1 U
Benzo (b) fluoranthene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	16	8.5	640	5.2 U	230	50 U	5 U	--	100	2600	5.1 U
Benzo (ghi) perylene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	7.4	5.1	170	5.2 U	54 U	50 U	5 U	--	50 U	750	5.1 U
Benzo (k) fluoranthene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	250	5.2 U	87	50 U	5 U	--	50 U	930	5.1 UJ
Chrysene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	11	5.1	410	5.2 U	120 J	5 U	5 U	--	20	2600 J	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	68	5.2 U	54 U	50 U	5 U	--	50 U	210	5.1 U
Fluoranthene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	15	5.1 U	540	5.2 U	140 J	5 U	5 U	--	23	3700 J	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10	PA-10
	SAMPLE	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01	PA-10-02
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	0	0	0	2	0	5	9	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	1	1	1	3	1	6	10	3	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5	3
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
Fluorene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	8.9 J	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	6.1	5.1 U	170	5.2 U	54 U	50 U	5 U	--	50 U	790	5.1 U
Naphthalene	ug/kg	5.3 U	4.2 U	4.3 U	4.8 U	5.1 U	5.1 U	5.1 U	5.2 U	5.4 U	5 U	5 U	--	5 U	8.6 J	5.1 U
PAH High molecular weight	ug/kg	0	0	0	0	77.6	18.7	3310	0	840	0	0	--	175	18200	0
PAH Low molecular weight	ug/kg	0	0	0	0	0	0	180	0	57	0	0	--	10	1380	0
Phenanthrene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	5.1 U	5.1 U	180	5.2 U	57 J	5 U	5 U	--	10	1300 J	5.1 U
Pyrene	ug/kg	5.3 U	5.3 U	5.3 U	5.5 U	14	5.1 U	530	5.2 U	110 J	5 U	5 U	--	20	3400 J	5.1 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2-Chlorophenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2-Methylphenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
2-Nitrophenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	720 UJ	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	350 U	350 U	350 U	360 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
2,4-Dimethylphenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
2,4-Dinitrotoluene	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2,6-Dinitrotoluene	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
3,3-Dichlorobenzidene	ug/kg	350 U	350 U	350 U	360 U	670 U	670 U	6700 U	680 U	7200 U	660 U	670 U	--	660 U	680 UJ	--
4-Bromophenyl phenyl ether	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
4-Chloro-3-methylphenol	ug/kg	700 U	700 U	700 U	720 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U	--	660 U	680 UJ	--
4-Chloroaniline	ug/kg	350 U	350 U	350 U	360 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U	--	660 U	680 UJ	--
4-Chlorophenyl phenyl ether	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
4-Methylphenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1800 U	1800 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	720 UJ	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	720 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	720 UJ	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1800 U	1800 U	1800 U	1700 UJ	1700 UJ	1700 UJ	1700 U	1800 UJ	1700 U	1700 U	--	1700 U	1700 UJ	--
Benzyl alcohol	ug/kg	700 U	700 U	700 U	720 U	670 U	670 U	670 U	680 U	720 U	660 U	670 U	--	660 U	680 UJ	--
bis (2-chloroethoxy) methane	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
bis (2-ethylhexyl) phthalate	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	3300 U	340 U	3600 U	330 U	330 U	--	330 U	340 UJ	--
Butylbenzylphthalate	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	3300 U	340 U	3600 U	330 U	330 U	--	330 U	340 UJ	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Di-n-octyl phthalate	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	3300 U	340 U	360 UJ	330 U	330 U	--	3300 U	34000 U	--
Dibenzofuran	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Diethyl phthalate	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Dimethyl phthalate	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Hexachlorobenzene	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Hexachloroethane	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
n-Nitroso-di-n-propylamine	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
N-nitrosodiphenylamine	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	--	1700 U	1700 UJ	--
Phenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10	PA-10
	SAMPLE	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01	PA-10-02
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016	1/26/2017
	SAMPLE TOP DEPTH (FT)	29	39	49	59	0	0	0	2	0	5	9	2	0	0	2
	SAMPLE BOTTOM DEPTH (FT)	30	40	50	60	1	1	1	3	1	6	10	3	1	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5	3
	SAMPLE TYPE												Field Duplicate			
ANALYTE	UNITS															
TPH as diesel	mg/kg	11 U	11 U	11 U	11 U	10 U	10 U	63	10 U	17	10 U	10 U	--	12	53	--
TPH as gasoline	mg/kg	0.84 U	0.73 U	0.96 UJ	1.1 U	--	--	--	1.3 U	--	1.1 U	1.3 U	--	--	--	--
TPH as motor oil	mg/kg	11 U	11 U	11 U	11 U	10 U	21	360 J	10 U	35	10 U	10 U	--	220	300	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1-Dichloroethene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1-Dichloropropene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1,1-Trichloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1,2-Trichloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2-Dibromoethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2-Dichlorobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ	--
1,2-Dichloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2-Dichloropropane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2,3-Trichlorobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2,3-Trichloropropane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,2,4-Trichlorobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ	--
1,2,4-Trimethylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,3-Dichlorobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ	--
1,3-Dichloropropane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,3,5-Trimethylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
1,4-Dichlorobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	340 U	340 U	330 U	--	360 U	8.7 U	5.7 U	6.5 U	330 U	340 UJ	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	340 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	65 U	--	--	--
2,2-Dichloropropane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
2,4,5-Trichlorophenol	ug/kg	1700 U	1700 U	1700 U	1800 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
2,4,6-Trichlorophenol	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
4-Isopropyltoluene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Acetone	ug/kg	59 U	42 U	43 U	48 U	--	--	--	--	--	87 U	57 U	65 U	--	--	--
Acrolein	ug/kg	120 U	84 U	86 U	96 U	--	--	--	--	--	170 U	110 U	130 U	--	--	--
Acrylonitrile	ug/kg	59 U	42 U	43 U	48 U	--	--	--	--	--	87 UJ	57 UJ	65 UJ	--	--	--
Benzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
bis (2-chloroethyl) ether	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
bis (2-chloroisopropyl) ether	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Bromobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Bromochloromethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Bromodichloromethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Bromoform	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Bromomethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Carbon disulfide	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Carbon tetrachloride	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Chloro methane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Chlorobenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Chloroethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Chloroform	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	11	--	8.7 U	5.7 U	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
cis-1,3-Dichloropropene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--	--
Dibromochloromethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	MW-58BR.S	MW-58BR.S	MW-58BR.S	MW-58BR.S	PA-05	PA-06	PA-07	PA-08	PA-08	PA-08	PA-08	PA-08	PA-09	PA-10	PA-10
	SAMPLE	MW-58-BR-SS03	MW-58-BR-SS04	MW-58-BR-SS05	MW-58-BR-SS06	PA-05-1	PA-06-1	PA-07-1	PA-08-03	PA-08-1	PA-08-06	PA-08-10	PA-08-FD	PA-09-01	PA-10-01	PA-10-02
	DATE	1/29/2009	1/29/2009	1/29/2009	1/29/2009	11/9/2015	11/9/2015	11/9/2015	1/12/2016	11/9/2015	1/12/2016	1/12/2016	1/12/2016	1/27/2016	1/27/2016	1/26/2017
SAMPLE TOP DEPTH (FT)		29	39	49	59	0	0	0	2	0	5	9	2	0	0	2
SAMPLE BOTTOM DEPTH (FT)		30	40	50	60	1	1	1	3	1	6	10	3	1	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		30	40	50	60	0.5	0.5	0.5	3	0.5	6	10	3	0.5	0.5	3
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
Dibromomethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Dichlorodifluoromethane	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Ethyl- benzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Hexachlorobutadiene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	670 U	670 U	670 U	--	720 U	8.7 U	5.7 U	6.5 U	660 U	680 UJ	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	680 U	--	--	--	--	--	--	--
Isophorone	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
Isopropylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--	--
Methyl ethyl ketone	ug/kg	59 U	42 U	43 U	48 U	--	--	--	--	--	87 U	57 U	65 U	--	--	--
Methyl isobutyl ketone	ug/kg	59 U	42 U	43 U	48 U	--	--	--	--	--	87 U	57 U	65 U	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	6.5 U	--	--	--
Methylene chloride	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
N-Butylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
N-Propylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Nitrobenzene	ug/kg	350 U	350 U	350 U	360 U	340 U	340 U	330 U	340 U	360 U	330 U	330 U	--	330 U	340 UJ	--
p-Chlorotoluene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
sec-Butylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Styrene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
tert-Butylbenzene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Tetrachloroethene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Toluene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
trans-1,2-Dichloroethene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
trans-1,3-Dichloropropene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Trichloroethene	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Vinyl chloride	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Xylene, m,p-	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Xylene, o-	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--
Xylenes, total	ug/kg	5.9 U	4.2 U	4.3 U	4.8 U	--	--	--	--	--	8.7 U	5.7 U	6.5 U	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
	SAMPLE TOP DEPTH (FT)	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE			Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	3300 J	--	--	20000 J	--	--	11000 J	--	--	6700 J	--	55000 J	--	25000 J	--
1,2,3,4,6,7,8-HpCDF	ng/kg	340 J	--	--	1500 J	--	--	760 J	--	--	570 J	--	4700 J	--	1300 J	--
1,2,3,4,7,8-HxCDD	ng/kg	40 J	--	--	45 J	--	--	86 J	--	--	69 J	--	140 J	--	79 J	--
1,2,3,4,7,8-HxCDF	ng/kg	23 J	--	--	160 J	--	--	41 J	--	--	38 UJ	--	550 J	--	150 J	--
1,2,3,4,7,8,9-HpCDF	ng/kg	23 J	--	--	95 J	--	--	43 J	--	--	35 UJ	--	240 J	--	65 J	--
1,2,3,6,7,8-HxCDD	ng/kg	120 J	--	--	410 J	--	--	280 J	--	--	190 J	--	1900 J	--	550 J	--
1,2,3,6,7,8-HxCDF	ng/kg	29 J	--	--	59 J	--	--	53 J	--	--	26 UJ	--	130 J	--	46 UJ	--
1,2,3,7,8-PeCDD	ng/kg	25 J	--	--	22 J	--	--	43 J	--	--	48 J	--	44 J	--	30 J	--
1,2,3,7,8-PeCDF	ng/kg	6.1 J	--	--	24 J	--	--	10 J	--	--	16 J	--	120 J	--	42 J	--
1,2,3,7,8,9-HxCDD	ng/kg	60 J	--	--	94 J	--	--	140 J	--	--	110 J	--	260 J	--	120 J	--
1,2,3,7,8,9-HxCDF	ng/kg	4.4 J	--	--	60 J	--	--	8.6 J	--	--	4.2 UJ	--	170 J	--	45 J	--
2,3,4,6,7,8-HxCDF	ng/kg	340 UJ	--	--	1900 UJ	--	--	470 UJ	--	--	450 UJ	--	7400 UJ	--	1800 UJ	--
2,3,4,7,8-PeCDF	ng/kg	9.7 J	--	--	42 J	--	--	16 J	--	--	14 J	--	270 J	--	66 J	--
2,3,7,8-TCDD	ng/kg	2.4 UJ	--	--	3.3 UJ	--	--	3.5 UJ	--	--	6.1 UJ	--	10 UJ	--	3.7 J	--
2,3,7,8-TCDF	ng/kg	5.3 J	--	--	9.5 J	--	--	8.1 J	--	--	19 J	--	77 J	--	23 J	--
OCDD	ng/kg	25000 J	--	--	290000 J	--	--	87000 J	--	--	71000 J	--	440000 J	--	250000 J	--
OCDF	ng/kg	460 J	--	--	6000 J	--	--	1700 J	--	--	2000 J	--	13000 J	--	3100 J	--
TEQ Avian	ng/kg	83	--	--	280	--	--	150	--	--	150	--	1100	--	320	--
TEQ Human	ng/kg	120	--	--	520	--	--	280	--	--	220	--	1600	--	580	--
TEQ Mammals	ng/kg	120	--	--	520	--	--	280	--	--	220	--	1600	--	580	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.3 U	--	2.1 U	--	2 U	--
Arsenic	mg/kg	4.3	4.9	--	6	5.6	4.8	5.2	--	--	5.8	--	5.2	--	5.5	--
Barium	mg/kg	140	180	--	190	150	200	130	--	--	150	--	96	--	96	--
Beryllium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Cadmium	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.35	--	--	0.56	--	0.26	0.28	--	--	0.46 U	--	0.82 J	--	0.2 U	--
Chromium, total	mg/kg	63	10	--	50	13	15	65	--	--	34	--	33	--	49	--
Cobalt	mg/kg	5.6	4	--	5.3	4.7	6.3	7.3	--	--	5.8	--	5.5	--	5.8	--
Copper	mg/kg	23	7.1	--	31	9.7	12	64	--	--	160	--	11	--	26	--
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	28	4.7	--	12	5.7	5.8	47	--	--	30	--	23	--	32	--
Mercury	mg/kg	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--	--	0.12 U	--	0.1 U	--	0.1 U	--
Molybdenum	mg/kg	3.3	1 U	--	3.1	1 U	1 U	1.4	--	--	9.8	--	1 U	--	1.2	--
Nickel	mg/kg	16	7.4	--	13	8.3	11	22	--	--	15	--	11	--	12	--
Selenium	mg/kg	1 U	1 UJ	--	1 U	1 UJ	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Silver	mg/kg	1 U	1 U	--	1 U	1 U	1 U	1 U	--	--	1.1 U	--	1 U	--	1 U	--
Thallium	mg/kg	2.1 U	2.1 U	--	2.1 U	2.1 U	2.1 U	2.1 U	--	--	2.3 U	--	2.1 U	--	2 U	--
Vanadium	mg/kg	20	19	--	25	18	27	33	--	--	28	--	27	--	28	--
Zinc	mg/kg	300	29	--	130	37 J	45	190	--	--	550	--	84	--	150	--
Metals CLP																
Aluminum	mg/kg	--	6300	--	--	6800	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	36000	--	--	27000	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	0.22 UJ	--	--	0.21 UJ	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
	SAMPLE TOP DEPTH (FT)	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE			Field Duplicate						Field Duplicate						
ANALYTE	**UNITS**															
Iron	mg/kg	--	8800	--	--	11000 J	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	5600	--	--	5900	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	180	--	--	200	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	1600	--	--	1700 J	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	590	--	--	820	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	2.1 U	--	--	2.1 U	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	1.1 U	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	5.3 U	--	--	5.2 U	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	53 U	--	--	52 U	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 UJ	17 U
Aroclor 1221	ug/kg	34 U	--	34 U	34 U	34 U	34 U	34 U	34 U	--	38 UJ	34 U	34 U	35 U	34 U	35 U
Aroclor 1232	ug/kg	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	530	--	19	470 J	27	22	450	30	--	28 J	17 U	83	17 U	82	17 U
Aroclor 1260	ug/kg	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	--	19 UJ	17 U	60	17 U	55 J	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	556	--	44.5	496	52.5	47.5	476	55.5	--	56.5	34 U	160	34 U	154	34 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	6.2 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 UJ	5.1 U	5.2 U
2-Methyl naphthalene	ug/kg	10 J	5.2 U	--	10 J	5.2	5.2 U	13 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 UJ	5.1 U	5.2 U
Acenaphthene	ug/kg	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	8.3 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 U	8.5 J	5.2 U
Acenaphthylene	ug/kg	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	6.2 J	5.1 U	--	57 U	5.2 U	26	5.3 U	25 J	5.2 U
Anthracene	ug/kg	19 J	5.2 U	--	5.2 U	5.2 U	5.2 U	27 J	5.1 U	--	95	5.2 U	29	5.3 U	68	5.2 U
B(a)P Equivalent	ug/kg	1000	--	11	200	25	67	1700	--	89	8200	6	840	14	2200	6 U
Benzo (a) anthracene	ug/kg	350 J	5.2 U	--	130 J	15	52 U	1000 J	--	46	3800 U	5.2 U	410	6	1200	5.2 U
Benzo (a) pyrene	ug/kg	550	--	6.6	130	16	52 U	1100	--	65	4400 J	5.2 U	610	7.8	1700	5.2 U
Benzo (b) fluoranthene	ug/kg	1500	8.7	--	250	34	90	1900	--	140	15000	5.2 U	1400	20	2900	5.2 U
Benzo (ghi) perylene	ug/kg	520 U	--	5.6	69	10	52 U	590	25	--	3800 U	5.2 U	450	7.8	840	5.2 U
Benzo (k) fluoranthene	ug/kg	520 U	5.2 UJ	--	86	5.6 J	52 U	800	37 J	--	5800 J	5.2 U	330	5.7	1100	5.2 U
Chrysene	ug/kg	600	--	7	170	18	52	1000	--	63	5200 J	5.2 U	780	11	2100	5.2 U
Dibenzo (a,h) anthracene	ug/kg	520 U	5.2 U	--	52 U	5.2 U	52 U	520 U	5.1 U	--	3800 U	5.2 U	5.1 U	5.3 U	5.1 U	5.2 U
Fluoranthene	ug/kg	770	8.7	--	170 J	37	56 J	1700	--	97	1300	5.2 U	830	9.9	2600	5.2 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
	SAMPLE TOP DEPTH (FT)	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE			Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.2 U	--	5.2 U	5.2 U	5.2 U	6.6 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 U	9.8 J	5.2 U
Indeno (1,2,3-cd) pyrene	ug/kg	520 U	5.2 U	--	66	9.7	52 U	560	--	26	3800 U	5.2 U	410	6.7	840	5.2 U
Naphthalene	ug/kg	10 J	5.2 U	--	5.2 U	5.2 U	5.2 U	12 J	5.1 U	--	57 U	5.2 U	5.1 U	5.3 UJ	14 J	5.2 U
PAH High molecular weight	ug/kg	4490	--	51	1220	177	241	10300	--	592	32900	0	5940	84.1	15900	0
PAH Low molecular weight	ug/kg	289	0	--	150	28.2	23	859	--	33	585	24	175	20	695	0
Phenanthrene	ug/kg	250 J	5.2 U	--	140 J	23	23 J	780 J	--	33	490	24	120	20	570	5.2 U
Pyrene	ug/kg	720	--	9.8	150 J	32	43 J	1600	--	93	1200	5.2 U	720	9.2	2600	5.2 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2-Chlorophenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2-Methylphenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2-Nitroaniline	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
2-Nitrophenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
2,4-Dimethylphenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
2,4-Dinitrotoluene	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,6-Dinitrotoluene	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
3-Nitroaniline	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
3,3-Dichlorobenzidene	ug/kg	6800 U	690 U	--	6900 U	690 U	6800 U	6900 U	--	--	7500 U	--	6800 U	--	6700 U	--
4-Bromophenyl phenyl ether	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Chloro-3-methylphenol	ug/kg	680 U	690 U	--	690 U	690 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
4-Chloroaniline	ug/kg	680 U	690 U	--	690 U	690 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Methylphenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Nitroaniline	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
4-Nitrophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 UJ	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
Acetophenone	ug/kg	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	740 U	--	--	730 U	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	740 U	--	--	730 UJ	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
Benzyl alcohol	ug/kg	680 U	690 U	--	690 U	690 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
bis (2-chloroethoxy) methane	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
bis (2-ethylhexyl) phthalate	ug/kg	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	--	--	3800 U	--	3400 U	--	3400 U	--
Butylbenzylphthalate	ug/kg	3400 U	350 U	--	3400 U	350 U	3400 U	3400 U	--	--	3800 U	--	3400 U	--	3400 U	--
Caprolactam	ug/kg	--	350 U	--	--	350 UJ	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	350 U	--	--	350 U	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Di-n-octyl phthalate	ug/kg	3400 U	350 U	--	3400 U	350 U	3400 U	34000 U	--	--	3800 U	--	3400 U	--	3400 U	--
Dibenzofuran	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Diethyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Dimethyl phthalate	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Hexachlorobenzene	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Hexachloroethane	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
N-nitrosodiphenylamine	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Pentachlorophenol	ug/kg	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 UJ	--	--	19000 U	--	1700 U	--	1700 U	--
Phenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
	SAMPLE TOP DEPTH (FT)	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE			Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
TPH as diesel	mg/kg	28	--	--	15	--	10 U	47	--	--	130	--	37	--	35	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	240	--	--	120	--	34	370	--	--	580	--	250	--	190	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,2-Dichloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,2,4-Trimethylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,3-Dichloropropane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	6 U	--	340 U	6.1 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
1,4-Dioxane	ug/kg	--	350 U	--	--	350 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
2,4,6-Trichlorophenol	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
4-Isopropyltoluene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	190 U	--	--	120 U	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	93 U	--	--	58 U	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Bromobenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-11	PA-11	PA-11	PA-12	PA-12	PA-13	PA-18	PA-18	PA-18	PA-19	PA-19	PA-20	PA-20	PA-21	PA-21
	SAMPLE	PA-11-01	PA-11-02	PA-11-03	PA-12-01	PA-12-02	PA-13-01	PA-18-01	PA-18-02	PA-18-03	PA-19-01	PA-19-02	PA-20-01	PA-20-02	PA-21-01	PA-21-02
	DATE	1/27/2016	1/25/2017	1/25/2017	1/27/2016	1/25/2017	1/27/2016	1/27/2016	1/26/2017	1/26/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017	1/27/2016	1/31/2017
	SAMPLE TOP DEPTH (FT)	0	2	2	0	2	0	0	2	2	0	2	0	2	0	2
	SAMPLE BOTTOM DEPTH (FT)	1	3	3	1	3	1	1	3	3	1	3	1	3	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0.5	3	3	0.5	3	0.5	0.5	3	3	0.5	3	0.5	3	0.5	3
	SAMPLE TYPE			Field Duplicate						Field Duplicate						
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	680 U	6 U	--	690 U	6.1 U	680 U	690 UJ	--	--	7500 U	--	680 U	--	670 U	--
Hexachlorocyclopentadiene	ug/kg	--	690 UJ	--	--	690 UJ	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
Isopropylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	60 U	--	--	61 U	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	350 U	--	340 U	350 U	340 U	340 UJ	--	--	3800 U	--	340 U	--	340 U	--
p-Chlorotoluene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	6 U	--	--	6.1 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	680 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	67 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	6.3 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	19 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	5.7 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	19 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	8.5 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	1.9 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	28 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	9.5 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	2.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	59 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	11 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	1.2 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	36 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	6700 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	96 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	7.8	7.9	8.2	8.7	--	--	--	9.01	9.15	8.94	9.64	8.67	9.39	9.03
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	11	--	--	--	2.4	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	64	--	--	--	22	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.52	--	--	--	0.4 UJ	0.9	0.51 U	0.5 U	0.51 U	0.51 U	0.5 U	0.5 U	0.5 U	0.6	5.8
Chromium, total	mg/kg	8.9	--	--	--	2.9	16.5	90	24.7	18.8	18.1	17.5	16.1	18.3	19.4	39.5
Cobalt	mg/kg	3.3	--	--	--	1.7	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	6.7	--	--	--	2 U	14.2	12.6	11.4	12.9	20.2	3.8	13.8	11.6	19.2	7.1
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	5.1	--	--	--	2.3	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	0.11 U	--	--	--	0.1 UJ	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	6.3	--	--	--	4.2	10.5	10.8	10.5	11.6	13.4	1.5	12.3	13	0.92	0.33
Selenium	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	1.1 U	--	--	--	1 U	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	2.1 U	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	18	--	--	--	9.2	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	49	--	--	--	6.9	43.9	59.1	85.3	36.3	47.5	11.3	37.5	35	27.1	34.1
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	35 U	33 U	33 U	33 U	33 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	76	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	95	17 U	17 U	17 U	16 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	188	34 U	34 U	34 U	32 U	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	5.3 U	50 U	50 U	50 U	5	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	5.3 U	5 U	5 U	5 U	50 U	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	88	5.8 U	5.8 U	5.8 U	5.8	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	43	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	65	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	98	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	69	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	44	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	68	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	84	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	5.3 U	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	53	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5.3 U	5 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	603	0	0	0	0	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	28	0	0	0	5	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	28	50 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	79	5 U	5 U	5 U	5 U	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	680 U	660 U	660 U	660 U	660 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	1700 U	1700 U	1700 U	1700 U	1700 U	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	77	15	14	10 U	10 U	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	1.7 U	1.4 U	1.1 U	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	110	10 U	10 U	10 U	10 U	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	340 U	330 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	5.5 UJ	5.7 UJ	6.1 UJ	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	110 U	110 U	120 U	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	PA-23	PA-OS1	PA-OS1	PA-OS1	PA-OS1	PS-21	PS-21	PS-22	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	SAMPLE	PA-23-01	300b-40-1090	300b-40-1091	300b-40-1092	300b-40-1093	PS-21-0	PS-21-2	PS-22-0	RR-10	RR-11	RR-12	RR-2	RR-3	RR-4	RR-5
	DATE	1/27/2016	4/6/2011	4/6/2011	4/6/2011	4/6/2011	4/13/1999	4/13/1999	4/13/1999	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000	2/2/2000
SAMPLE TOP DEPTH (FT)		0	0	2.5	5.5	9	0	2	0	0	0	0	0	0	0	0
SAMPLE BOTTOM DEPTH (FT)		1	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	0.5	3	6	9.5	0	2	0	0	0	0	0	0	0	0
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	680 U	660 U	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	55 U	57 U	61 U	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	340 U	330 U	330 U	330 U	330 U	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	5.5 U	5.7 U	6.1 U	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2
SAMPLE TYPE																
ANALYTE	**UNITS**															
Anion																
Nitrate	mg/kg	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	223	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	8.9	8.71	9.06	9.08	9.1	9.9	9.1	9.2	8.8	9.2	8.8	9.7	9.5	9.1	9.7
Phosphate	mg/kg	--	--	--	--	64.2	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	585	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	4.8	0.51 U	0.51 U	2.7	0.7	0.5 U	12	1.8	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chromium, total	mg/kg	74.9	28.6	28.9	19.6	31.8	22.1	45.5	39.9	32	21.9	12.1	13.8	12.1	18.7	11.3
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	7.5	9.7	9.9	27.9	15.7	10.6	1.8	9.7	4.1	11.5	4.2	9.4	11	6.7	8
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	0.39	10.4	7.4	2.2	14	10.8	0.57	9.4	1.8	10.2	4.3	7.5	9.6	5.9	8.6
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	243	35.1	29.8	15.4	49.4	34.5	14.5	35.7	8.4	39.8	18	24.1	29.2	27	28.9
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	26300	--	--	--	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2
SAMPLE TYPE																
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	23100	--	--	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	8330	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	2250	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	410 U	--	--	--	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
	SAMPLE TOP DEPTH (FT)	0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2
	SAMPLE TYPE															
ANALYTE	UNITS															
Fluorene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH High molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
SAMPLE TOP DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
SAMPLE BOTTOM DEPTH (FT)		0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	RR-6	RR-7	RR-8	RR-9	S1-20	S2-130	S2-6	S2-6	S2-62	S2-62	S3-120	S3-15	S3-15	S3-72	S3-72
	SAMPLE	RR-6	RR-7	RR-8	RR-9	S1-20-3	S2-130-1	S2-6-3	S2-6-5	S2-62-2	S2-62-4	S3-120-1	S3-15-2	S3-15-4	S3-72-1	S3-72-2
	DATE	2/2/2000	2/2/2000	2/2/2000	2/2/2000	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998
	SAMPLE TOP DEPTH (FT)	0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
	SAMPLE BOTTOM DEPTH (FT)	0	0	0	0	3	1	3	5	2	4	1	2	4	1	2
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	0	0	0	0	3	0.5	3	5	2	4	0.5	2	4	0.5	2
	SAMPLE TYPE															
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04
	SAMPLE	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	2	4	6	2	3	3	0	2	5	9	0	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	2	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	29	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	3010	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9.1	9.24	10.4	9.1	10.3	9.2	--	--	--	--	--	--	--	--	8.8
Phosphate	mg/kg	--	10.7	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	1630	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	--	--	--	--	--	--	2.1 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 UJ
Arsenic	mg/kg	--	--	--	--	--	--	3	5.2	4.1	2.9	3.2	5	4	2.6	3
Barium	mg/kg	--	--	--	--	--	--	78 J	210	100	100	100	590	91	52	90 J
Beryllium	mg/kg	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	mg/kg	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.5	15.4	1	0.5 U	0.5 U	0.5	0.24	0.22 U	0.22 U	0.21 U	0.66	11	0.28	0.2 U	0.2 U
Chromium, total	mg/kg	25	23.4	13.7	10.3	14.9	12.8	14	36	49	40	26	280	12	6.4	10
Cobalt	mg/kg	--	--	--	--	--	--	3.9	11	11	11	5.8	5.8	3.7	2.3	4
Copper	mg/kg	11.8	3.2	10.3	2.5	8.3	10.8	29	14	15	12	16	590	7.3	3.4	5.1
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	7.6	3.2	2.5	1.9	29	170	9.7	2.5	2.7
Mercury	mg/kg	--	--	--	--	--	--	0.1 U	0.11 U	0.11 U	0.11 U	0.17 J	3.2	0.099 U	0.1 U	0.1 U
Molybdenum	mg/kg	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	9.1	1 U	1 U	1 U
Nickel	mg/kg	10.9	0.43 J	9.8	4.3	8.8	9.4	7.8	30	37	34	12	17	8.6	4.7	8.3
Selenium	mg/kg	--	--	--	--	--	--	1.1 UJ	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	--	--	--	--	--	--	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U
Thallium	mg/kg	--	--	--	--	--	--	2.1 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U
Vanadium	mg/kg	--	--	--	--	--	--	16	43	44	46	28	26	17	11	21
Zinc	mg/kg	38.2	1.9	32.6	4.3	27	40.9	190	41	43	40	48	300	31	13	22
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	5800	2600	--
Calcium	mg/kg	--	379000	--	--	--	--	--	--	--	--	--	--	24000	17000	--
Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	0.2 UJ	0.2 UJ	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04
	SAMPLE	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	2	4	6	2	3	3	0	2	5	9	0	2	0	2	0
	SAMPLE BOTTOM DEPTH (FT)	2	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	2	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5
	SAMPLE TYPE															
ANALYTE	**UNITS**															
Iron	mg/kg	--	425	--	--	--	--	--	--	--	--	--	--	10000	5800	--
Magnesium	mg/kg	--	23000	--	--	--	--	--	--	--	--	--	--	5100	3300	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	250	130	--
Potassium	mg/kg	--	89.6 J	--	--	--	--	--	--	--	--	--	--	1300	600	--
Sodium	mg/kg	--	6590	--	--	--	--	--	--	--	--	--	--	400	200	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	--	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 UJ	17 U	17 U
Aroclor 1221	ug/kg	--	--	--	--	--	--	35 U	36 U	36 U	35 U	33 U	34 U	33 U	33 U	33 U
Aroclor 1232	ug/kg	--	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	--	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	--	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	--	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	67	17 U	17 U	17 U
Aroclor 1260	ug/kg	--	--	--	--	--	--	17 U	18 U	18 U	18 U	17 U	84	17 UJ	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	17 U	17 U	--
Total PCBs	ug/kg	--	--	--	--	--	--	34 U	36 U	36 U	36 U	34 U	168	34 U	34 U	34 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U
2-Methyl naphthalene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U
Acenaphthene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U
Acenaphthylene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U
Anthracene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	29	5 U	5 U	5 U
B(a)P Equivalent	ug/kg	--	--	--	--	--	--	20	6.4 U	6.4 U	6.2 U	56 U	350	5.8 U	56 U	5.8 U
Benzo (a) anthracene	ug/kg	--	--	--	--	--	--	7	5.5 U	5.5 U	5.4 U	5 U	360	5 U	5 U	5 U
Benzo (a) pyrene	ug/kg	--	--	--	--	--	--	13	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U
Benzo (b) fluoranthene	ug/kg	--	--	--	--	--	--	26	5.5 U	5.5 U	5.4 U	50 U	510	5 U	50 U	5 U
Benzo (ghi) perylene	ug/kg	--	--	--	--	--	--	10	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U
Benzo (k) fluoranthene	ug/kg	--	--	--	--	--	--	11	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U
Chrysene	ug/kg	--	--	--	--	--	--	12	5.5 U	5.5 U	5.4 U	5 U	390	5 U	5 U	5 U
Dibenzo (a,h) anthracene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U
Fluoranthene	ug/kg	--	--	--	--	--	--	12	5.5 U	5.5 U	5.4 U	5 U	500	5 U	5 U	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04
	SAMPLE	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	4	6	2	3	3	0	2	5	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		2	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Fluorene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	--	--	--	--	--	--	8.1	5.5 U	5.5 U	5.4 U	50 U	250 U	5 U	50 U	5 U
Naphthalene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	25 U	5 U	5 U	5 U
PAH High molecular weight	ug/kg	--	--	--	--	--	--	112	0	0	0	0	2180	0	0	0
PAH Low molecular weight	ug/kg	--	--	--	--	--	--	0	0	0	0	0	289	0	0	0
Phenanthrene	ug/kg	--	--	--	--	--	--	5.3 U	5.5 U	5.5 U	5.4 U	5 U	260	5 U	5 U	5 U
Pyrene	ug/kg	--	--	--	--	--	--	13	5.5 U	5.5 U	5.4 U	5 U	420	5 U	5 U	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04
	SAMPLE	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	4	6	2	3	3	0	2	5	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		2	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
TPH as diesel	mg/kg	--	--	--	--	--	--	11 U	11 U	11 U	11 U	25	410	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	--	--	--	--	--	--	1.4 U	1.4 U	0.94 U	--	1.2 U	--	1.5 U	--
TPH as motor oil	mg/kg	--	--	--	--	--	--	78	11 U	11 U	11 U	49	1500	22	10 U	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	S4-160	S4-4	S4-4	S4-95	S4-95	S8-30	SD-01	SD-01	SD-01	SD-01	SD-02	SD-02	SD-03	SD-03	SD-04
	SAMPLE	S4-160-2	S4-4-4	S4-4-6	S4-95-2	S4-95-3	S8-30-3	SD-1-D1	SD-1-D2	SD-1-D3	SD-1-D4	SD-2-01	SD-2-03	SD-3-01	SD-3-03	SD-4-01
	DATE	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	11/1/1998	1/13/2016	1/13/2016	1/13/2016	1/13/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	4	6	2	3	3	0	2	5	9	0	2	0	2	0
SAMPLE BOTTOM DEPTH (FT)		2	4	6	2	3	3	0.5	3	6	10	1	3	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		2	4	6	2	3	3	0.5	3	6	10	0.5	3	0.5	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10
	SAMPLE	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	5	0	2	0	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	6	1	3	1	1	3	6	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3
	SAMPLE TYPE		Field Duplicate						Field Duplicate							
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	--	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U	2.1 U	2.1 UJ	2 U	2 U
Arsenic	mg/kg	2.9	4.5	--	3.8	3.3	3.6	3.1	--	8.9	3.2	4.3	4.6	5.3	3.3	2.4
Barium	mg/kg	83	130 J	--	110	82	97	77	--	92	91	260	240	260	83	82
Beryllium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U
Cadmium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	--	0.2 U	0.21 U	0.2 U	0.2 U	0.21 U	0.26	2.7	--	0.21 U	0.21 U	0.21 U	0.2 U	1.4
Chromium, total	mg/kg	8	19 J	--	30	17	21	20	--	34	9.2 J	11	11	12	7.9	27
Cobalt	mg/kg	3.2	3.9	--	7.3	6.4	7.8	7.6	--	4	5.2	4.3	4.3	4.4	2.7	4.2
Copper	mg/kg	4.4	--	9.2	12	9.4	10	9.5	--	35	6	6.4	5.6	7.1	6.7	9
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	2.5	37 J	--	10	3.9	4.2	2.8	6.8 J	7.8	--	3.8	3.1	4.3	6.1	16
Mercury	mg/kg	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.37
Molybdenum	mg/kg	1 U	--	2.5	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U
Nickel	mg/kg	5.9	9.5 J	--	24	13	16	19	8.7 J	8.4	--	9.4	8.7	8.9	5.6	8.8
Selenium	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U
Silver	mg/kg	1 U	--	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1.1 U	1.1 U	1 U	1 U
Thallium	mg/kg	2 U	--	2 U	2.1 U	2 U	2.1 U	2.1 U	--	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U	2 U
Vanadium	mg/kg	16	19	--	33	30	37	34	18	23	--	22	21	25	14	19
Zinc	mg/kg	19	--	46	41	39	40	40	37	97	--	25	21	24	36	180
Metals CLP																
Aluminum	mg/kg	--	6000 J	--	--	--	--	--	5900 J	5000	--	--	--	--	--	--
Calcium	mg/kg	--	--	18000	--	--	--	--	--	22000	20000	--	--	--	--	--
Cyanide	mg/kg	--	0.22 J	--	--	--	--	--	--	0.2 UJ	0.2 UJ	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10
	SAMPLE	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	5	0	2	0	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	6	1	3	1	1	3	6	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate							
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	9000 J	--	--	--	--	--	11000	8700	--	--	--	--	--
Magnesium	mg/kg	--	5700	--	--	--	--	--	5300 J	5600	--	--	--	--	--	--
Manganese	mg/kg	--	160	--	--	--	--	--	170	150	--	--	--	--	--	--
Potassium	mg/kg	--	1800	--	--	--	--	--	1700	1300	--	--	--	--	--	--
Sodium	mg/kg	--	620	--	--	--	--	--	--	270	170	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	33 U	--	35 U	33 U	34 U	34 U	--	33 U	33 U	34 U	35 U	35 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	--	17 U	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	--	53	17 U	17 U	17 U	17 U	--	17 U	42	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	--	40	17 U	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	17 U	--	--	--	--	--	17 U	17 U	--	--	--	--	--
Aroclor 1268	ug/kg	--	--	17 U	--	--	--	--	--	17 U	17 U	--	--	--	--	--
Total PCBs	ug/kg	34 U	--	110	34 U	34 U	34 U	34 U	--	34 U	67.5	34 U	34 U	34 U	34 U	34 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	14
2-Methyl naphthalene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	7.5	18 J
Acenaphthene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	66	--	6.6	19	5.9 U	6 U	--	58	21	42	6.3	6.5	25	31
Benzo (a) anthracene	ug/kg	5.1 U	27	--	5.2 U	7.1	5.1 U	5.2 U	8.4	12	--	16	5.2 U	5.3 U	8.9	10
Benzo (a) pyrene	ug/kg	5.1 U	49	--	5.2 U	12	5.1 U	5.2 U	--	51 U	14	29	5.2 U	5.3 U	16	20
Benzo (b) fluoranthene	ug/kg	5.1 U	94	--	8.4	26	5.1 U	5.2 U	--	51 U	28	67	5.6	6	41	59
Benzo (ghi) perylene	ug/kg	5.1 U	21	--	5.2 U	6.7	5.1 U	5.2 U	9.7	51 U	--	14	5.2 U	5.3 U	14	14 J
Benzo (k) fluoranthene	ug/kg	5.1 U	32	--	5.2 U	8.7	5.1 U	5.2 U	--	51 U	8.7	23	5.2 U	5.3 U	11	17
Chrysene	ug/kg	5.1 U	60	--	5.2	16	5.1 U	5.2 U	--	21	14	36	5.2 U	5.3 U	17	20
Dibenzo (a,h) anthracene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	51 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.1 U	83	--	7	23	5.1 U	5.2 U	26	39	--	35	5.2 U	5.3 U	18	26

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10
	SAMPLE	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	5	0	2	0	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	6	1	3	1	1	3	6	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate							
ANALYTE	UNITS															
Fluorene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	23	--	5.2 U	6.7	5.1 U	5.2 U	9.4	51 U	--	14	5.2 U	5.3 U	13	14
Naphthalene	ug/kg	5.1 U	--	5.1 U	5.2 U	5 U	5.1 U	5.2 U	--	5.1 U	5 U	5.2 U	5.2 U	5.3 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	474	--	28.3	128	0	0	138	111	--	269	5.6	6	157	205
PAH Low molecular weight	ug/kg	0	26	--	0	0	0	0	9.7	6.8	--	10	0	0	7.5	39.1
Phenanthrene	ug/kg	5.1 U	26	--	5.2 U	5 U	5.1 U	5.2 U	9.7	6.8	--	10	5.2 U	5.3 U	5.1 U	7.1
Pyrene	ug/kg	5.1 U	85	--	7.7	22	5.1 U	5.2 U	24	39	--	35	5.2 U	5.3 U	18	25
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10
	SAMPLE	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
	SAMPLE TOP DEPTH (FT)	2	0	0	2	0	2	5	0	2	0	0	2	5	0	2
	SAMPLE BOTTOM DEPTH (FT)	3	1	1	3	1	3	6	1	3	1	1	3	6	1	3
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3
	SAMPLE TYPE		Field Duplicate						Field Duplicate							
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	--	10 U	10 U	10 U	10 U	11	--	10 U	10 U	13	30	11 U	10 U	26
TPH as gasoline	mg/kg	1.7 U	--	--	1.8 U	--	1.4 U	1.4 U	--	1.4 U	--	--	1.2 U	1.9 U	--	1.4 U
TPH as motor oil	mg/kg	10 U	16	--	10 U	10 U	10 U	22	--	18	10 U	19	72	13	26	25
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-04	SD-05	SD-05	SD-05	SD-06	SD-06	SD-06	SD-08	SD-08	SD-08	SD-09	SD-09	SD-09	SD-10	SD-10
	SAMPLE	SD-4-03	SD-5-01-FD	SD-5-01	SD-5-03	SD-6-01	SD-6-03	SD-6-05	SD-8-01-FD	SD-8-03	SD-8-01	SD-9-01	SD-9-03	SD-9-05	SD-10-01	SD-10-03
	DATE	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/10/2015
SAMPLE TOP DEPTH (FT)		2	0	0	2	0	2	5	0	2	0	0	2	5	0	2
SAMPLE BOTTOM DEPTH (FT)		3	1	1	3	1	3	6	1	3	1	1	3	6	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	0.5	3	0.5	3	6	0.5	3	0.5	0.5	3	6	0.5	3
SAMPLE TYPE			Field Duplicate						Field Duplicate							
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22
	SAMPLE	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01
	DATE	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	2	0	2	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	1	3	6	1	3	1	3	1	3	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	2700 J	3300 J	1800 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	2.9 UJ	3.5 UJ	260 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	42 J	28 UJ	16 J	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	55 J	41 J	3.7 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	67 J	59 J	20 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	130 J	110 J	64 J	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	50 J	23 J	12 J	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	130 UJ	51 UJ	15 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	2.9 UJ	240 R	3.8 UJ	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	80 J	44 UJ	35 J	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	3 UJ	5.4 UJ	4.3 UJ	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	2.7 UJ	4.8 UJ	380 UJ	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	11 UJ	250 UJ	4 UJ	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	4.4 UJ	4.1 UJ	1.6 UJ	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	14 UJ	12 UJ	2.6 UJ	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	18000 J	33000 J	18000 J	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	1000 J	1800 J	670 J	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	110	190 JH	44	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	140	130 JH	67	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	140	130 JH	67	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2 UJ	2 U	--	2 U	2.1 U	2.1 U
Arsenic	mg/kg	2.9	2.7	3.7	2.9	2.6	2.8	2.5	3.2	2.4	3.4	3.8	--	3.2	5.4	3.3
Barium	mg/kg	99	62	88	90	71	79	92	100	70	--	75	74 J	71	79	100
Beryllium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Cadmium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.2 U	1	0.51	0.63	0.79	0.2 U	0.51	0.92	0.34	--	0.2 U	0.61	0.2 U	0.81	0.21 U
Chromium, total	mg/kg	38	21	110	90	23	8.1	16	33	25	18 J	8.9	--	21	31	22
Cobalt	mg/kg	4.5	3.3	3.8	4.5	3.7	2.7	4.4	4.7	7.7	4.2	2.6	--	7	6.4	6.4
Copper	mg/kg	14	10	19	44	11	5.1	8.9	7.8	9.4	--	4.3	7.3	8.7	10	13
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	22	6.2	20	36	11	7.2	4.1	3.6	3	5.3	2.7	--	2.4	4.5	10
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	--	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Nickel	mg/kg	9.6	6	7.3	8.8	6.6	5.1	7.7	7.9	15	8.8	4.3	--	14	14	12
Selenium	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	mg/kg	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	--	1 U	1 U	1 U
Thallium	mg/kg	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2.1 U	2 U	2 U	--	2 U	2.1 U	2.1 U
Vanadium	mg/kg	22	17	18	21	18	15	19	19	33	21	13	--	32	34	30
Zinc	mg/kg	1100	42	170	310	88	38	27	30	40	--	17	71 J	44	60	61
Metals CLP																
Aluminum	mg/kg	6800	4600	--	--	--	--	--	6600	11000	5500	3500	--	--	--	--
Calcium	mg/kg	22000	21000	--	--	--	--	--	22000	20000	23000	28000	--	--	--	--
Cyanide	mg/kg	0.2 U	0.21 U	--	--	--	--	--	0.21 UJ	0.21 UJ	--	0.21 UJ	0.2 UJ	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22
	SAMPLE	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01
	DATE	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	2	0	2	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	1	3	6	1	3	1	3	1	3	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5
SAMPLE TYPE													Field Duplicate			
ANALYTE	**UNITS**															
Iron	mg/kg	15000	8200	--	--	--	--	--	13000	19000	--	6800	9600 J	--	--	--
Magnesium	mg/kg	5700	4800	--	--	--	--	--	5600	8000	5300	5500	--	--	--	--
Manganese	mg/kg	170	130	--	--	--	--	--	200	200	160	130	--	--	--	--
Potassium	mg/kg	2100	1100	--	--	--	--	--	1700	1900	1200	860	--	--	--	--
Sodium	mg/kg	220	480	--	--	--	--	--	400	2400	260 J	270	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	17 U	70	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	33 U	33 U	35 U	34 U	33 U	34 U	33 U	35 U	33 U	33 U	--	33 U	34 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1254	ug/kg	430	17 U	250	240	110	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	36
Aroclor 1260	ug/kg	180 J	17 U	1000	360	110	16 U	17 U	17 U	18 U	17 U	17 U	--	17 U	17 U	17 U
Aroclor 1262	ug/kg	17 U	17 U	--	--	--	--	--	17 U	18 U	17 U	17 U	--	--	--	--
Aroclor 1268	ug/kg	17 U	17 U	--	--	--	--	--	17 U	18 U	17 U	17 U	--	--	--	--
Total PCBs	ug/kg	627	34 U	1330	617	237	32 U	34 U	34 U	36 U	34 U	34 U	--	34 U	34 U	61.5
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
2-Methyl naphthalene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
Acenaphthene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
Acenaphthylene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
Anthracene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
B(a)P Equivalent	ug/kg	130	57 U	48	66	60	56	5.9 U	130	6.4	95	5.9 U	--	12	77	100
Benzo (a) anthracene	ug/kg	55	5.1 U	5 U	20 J	5.2 U	12	5.1 U	39	5.3 U	42 J	5.1 U	--	5.1 U	19 J	35 J
Benzo (a) pyrene	ug/kg	84	51 U	16 J	52 U	52 U	50 U	5.1 U	74	5.3 U	51	5.1 U	--	7.7	39 J	73 J
Benzo (b) fluoranthene	ug/kg	150	51 U	44 J	90 J	48 J	50 U	5.1 U	160	5.7	--	5.1 U	67	16	85 J	190 J
Benzo (ghi) perylene	ug/kg	50 U	51 U	50 U	9.1 J	52 U	50 U	5.1 U	120	5.3 U	--	5.1 U	50 U	5.4	13 J	22 J
Benzo (k) fluoranthene	ug/kg	54	51 U	20 J	43 J	25 J	50 U	5.1 U	51	5.3 U	--	5.1 U	50 U	6.1	38 J	63 J
Chrysene	ug/kg	100 J	5.1 U	71 J	51 J	5.2 U	20	5.1 U	65	5.3 U	58 J	5.1 U	--	10	38 J	87 J
Dibenzo (a,h) anthracene	ug/kg	50 U	51 U	50 U	52 U	52 U	50 U	5.1 U	51 U	5.3 U	--	5.1 U	50 U	5.1 U	52 U	5.1 U
Fluoranthene	ug/kg	180	5.1 U	5 U	72 J	49 J	30	5.1 U	89	5.3 U	88	5.1 U	--	12	45 J	120 J

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22
	SAMPLE	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01
	DATE	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	2	0	2	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	1	3	6	1	3	1	3	1	3	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
Fluorene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	50 U	51 U	50 U	52 U	52 U	50 U	5.1 U	95	5.3 U	--	5.1 U	50 U	5.1 U	10 J	21 J
Naphthalene	ug/kg	5 U	5.1 U	5 U	5.2 U	5.2 U	5 U	5.1 U	5.1 U	5.3 U	--	5.1 U	5 U	5.1 U	5.2 U	5.1 U
PAH High molecular weight	ug/kg	793	0	151	285	122	87	0	781	5.7	445	0	--	68.2	330	711
PAH Low molecular weight	ug/kg	57	0	21	27	20	20	0	11	0	27	0	--	0	13	36
Phenanthrene	ug/kg	57	5.1 U	21 J	27 J	20 J	20	5.1 U	11	5.3 U	--	5.1 U	7.7	5.1 U	13 J	36 J
Pyrene	ug/kg	170	5.1 U	5 U	5.2 U	5.2 U	25	5.1 U	88	5.3 U	96	5.1 U	--	11	43 J	100 J
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22
	SAMPLE	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01
	DATE	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	2	0	2	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	1	3	6	1	3	1	3	1	3	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
TPH as diesel	mg/kg	54	590	840 J	940	240	10 U	26	10 U	11 U	--	10 U	23	10 U	10 U	10 U
TPH as gasoline	mg/kg	--	1.2 U	--	1.3 U	1.6 U	--	1.2 U	--	1.5 U	--	1.6 U	--	--	1.3 U	--
TPH as motor oil	mg/kg	180	1200	1400	1500	440	29	56	11	11 U	39 J	10 U	--	10 U	39	79
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-11	SD-11	SD-11A	SD-11A	SD-11A	SD-12	SD-12	SD-13	SD-13	SD-20	SD-20	SD-20	SD-21	SD-21	SD-22
	SAMPLE	SD-11-0	SD-11-3	SD-11-01	SD-11-02	SD-11-04	SD-12-01	SD-12-03	SD-13-01	SD-13-03	SD-20-01	SD-20-03	SD-20-01-FD	SD-21-01	SD-21-03	SD-22-01
	DATE	12/6/2015	12/6/2015	3/7/2016	3/7/2016	3/7/2016	11/10/2015	11/10/2015	11/10/2015	11/10/2015	11/11/2015	11/11/2015	11/11/2015	3/10/2016	3/10/2016	3/9/2016
SAMPLE TOP DEPTH (FT)		0	2	0	2	5	0	2	0	2	0	2	0	0	2	0
SAMPLE BOTTOM DEPTH (FT)		0.5	3	1	3	6	1	3	1	3	1	3	1	1	3	1
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		0.5	3	0.5	3	6	0.5	3	0.5	3	0.5	3	0.5	0.5	3	0.5
SAMPLE TYPE													Field Duplicate			
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-22	SD-23	SD-23	SD-27	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3
	SAMPLE	SD-22-03	SD-23-01	SD-23-03	SD-27-02	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009
	DATE	3/9/2016	3/9/2016	3/9/2016	2/15/2017	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
	SAMPLE TOP DEPTH (FT)	2	0	2	2	0	3	5	0	0.5	2.5	5.5	0	0.5	2	0
	SAMPLE BOTTOM DEPTH (FT)	3	1	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	SAMPLE TYPE															
ANALYTE	UNITS															
Anion																
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins																
1,2,3,4,6,7,8-HpCDD	ng/kg	--	460 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	38 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	5.9 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	3.4 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	2.4 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	14 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	3.4 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	3 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	0.68 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	8.2 J	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	0.26 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	37 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	2.3 J	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	0.16 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	0.22 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	4300 J	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	67 J	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	9.1	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--
General																
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Antimony	mg/kg	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	mg/kg	3.2	2.4	2.2	2.4	3.5	3.1	2.9	14	24	16	12	8	15	11	9.8
Barium	mg/kg	110	65	51	56	120	93	110	290	280	300	150	220	520	310	250
Beryllium	mg/kg	1 U	1.1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U
Cadmium	mg/kg	1 U	1.1 U	1.1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	0.21 U	0.27	0.22 U	0.21 U	0.41	0.24	0.2 U	0.42 U	0.42 U	0.4 U	0.4 U	0.4 U	0.42 U	0.41 U	0.4 U
Chromium, total	mg/kg	27	19	31	20	35	16	14	25	28	25	17	17	33	34	21
Cobalt	mg/kg	7.4	6.3	9.2	6.1	5.2	3.2	4.1	7.7	9.1	8.8	6.7	7	10	11	7.9
Copper	mg/kg	10	11	14	9	21	9.4	7.4	13	14	13	10	11	15	11	11
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	4.7	5.6	3	1 U	36	5.4	3.3	7.9	5.8	5.6	3.2	6.6	4.3	3.4	5.3
Mercury	mg/kg	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	1 U	1.1 U	1.1 U	1 U	1 U	2.7	1 U	1 U	2 U	2 U	1.1	1 U	2 U	2 U	2 U
Nickel	mg/kg	17	14	21	12	12	7	11	16	19	18	13	13	22	23	16
Selenium	mg/kg	1 U	1.1 U	1.1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	1 U	1.1 U	1.1 U	1 UJ	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U
Thallium	mg/kg	2.1 U	2.1 U	2.2 U	2.1 UJ	2 UJ	2 UJ	2 UJ	2 U	4 U	4 U	2 U	2 U	4 U	4 U	4 U
Vanadium	mg/kg	32	26	38	23	20	13	16	28	31	29	22	27	35	36	33
Zinc	mg/kg	49	87	39	34	92	24	20	54	61	59	48	46	62	63	52
Metals CLP																
Aluminum	mg/kg	--	--	--	--	--	--	--	11000	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	21000	--	--	--	--	--	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-22	SD-23	SD-23	SD-27	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3
	SAMPLE	SD-22-03	SD-23-01	SD-23-03	SD-27-02	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009
	DATE	3/9/2016	3/9/2016	3/9/2016	2/15/2017	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
	SAMPLE TOP DEPTH (FT)	2	0	2	2	0	3	5	0	0.5	2.5	5.5	0	0.5	2	0
	SAMPLE BOTTOM DEPTH (FT)	3	1	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	SAMPLE TYPE															
ANALYTE	**UNITS**															
Iron	mg/kg	--	--	--	--	--	--	--	20000	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	7400	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	670	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2900	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	230	--	--	--	--	--	--	--
Pesticides																
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--	--	--	--	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--	--	--	--	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	--	--	--	--	--	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls																
Aroclor 1016	ug/kg	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	34 U	35 U	36 U	34 U	33 U	34 U	34 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
Aroclor 1232	ug/kg	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	250	18 U	17 U	1600	110	26	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	18 U	18 U	17 U	310	38	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1268	ug/kg	--	--	--	--	--	--	--	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Total PCBs	ug/kg	34 U	277	36 U	34 U	1930	165	51.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Polycyclic Aromatic Hydrocarbons																
1-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
2-Methyl naphthalene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Acenaphthene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Acenaphthylene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	6.1	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Anthracene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	18	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
B(a)P Equivalent	ug/kg	6.5	180	9.7	6 U	760	21	25	5.8 U	5.9 U	5.8	6.1	5.8 U	5.9 U	5.9 U	5.8 U
Benzo (a) anthracene	ug/kg	5.2 U	150 J	5.4 U	5.2 U	370	8.2	14	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Benzo (a) pyrene	ug/kg	5.2 U	130 J	5.4	5.2 U	600 J	14	17	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Benzo (b) fluoranthene	ug/kg	7.6	260	10	5.2 U	1000 J	27	28	5 U	5.1 U	5 U	5.3	5 U	5.1 U	5.1 U	5 U
Benzo (ghi) perylene	ug/kg	5.2 U	32 J	5.4 U	5.2 U	120 J	10	14	5 U	5.1 U	5 U	6.2	5 U	5.1 U	5.1 U	5 U
Benzo (k) fluoranthene	ug/kg	5.2 U	110 J	5.4 U	5.2 U	410 J	7.8	8.9	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Chrysene	ug/kg	5.5	150 J	7.6	5.2 U	690	18	21	5 U	5.1 U	6.5	5 U	5 U	5.1 U	5.1 U	5 U
Dibenzo (a,h) anthracene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Fluoranthene	ug/kg	6.2	220 J	10	5.2 U	1200	24	32	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-22	SD-23	SD-23	SD-27	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3
	SAMPLE	SD-22-03	SD-23-01	SD-23-03	SD-27-02	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009
	DATE	3/9/2016	3/9/2016	3/9/2016	2/15/2017	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
	SAMPLE TOP DEPTH (FT)	2	0	2	2	0	3	5	0	0.5	2.5	5.5	0	0.5	2	0
	SAMPLE BOTTOM DEPTH (FT)	3	1	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	SAMPLE TYPE															
ANALYTE	UNITS															
Fluorene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.2 U	28 J	5.4 U	5.2 U	140 J	9.5	12	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Naphthalene	ug/kg	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	5.1 U	5.1 U	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
PAH High molecular weight	ug/kg	25.9	1270	42.7	0	5630	143	179	0	0	6.5	11.5	0	0	0	0
PAH Low molecular weight	ug/kg	0	30	0	0	384	6.8	9.2	0	0	11	0	0	0	0	0
Phenanthrene	ug/kg	5.2 U	30 J	5.4 U	5.2 U	360	6.8	9.2	5 U	5.1 U	11	5 U	5 U	5.1 U	5.1 U	5 U
Pyrene	ug/kg	6.6	190 J	9.7	5.2 U	1100	24	32	5 U	5.1 U	5 U	5 U	5 U	5.1 U	5.1 U	5 U
Semi-Volatile Organic Compounds																
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
2-Chloro naphthalene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Chlorophenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Methylphenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
2,4-Dichlorophenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
3-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	ug/kg	--	--	--	--	--	--	--	660 U	670 U	660 U	660 U	660 U	670 U	670 U	660 U
4-Chloroaniline	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	460	330 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	700 U	--	--	--	--	--	--	--
Benzoic acid	ug/kg	--	--	--	--	--	--	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	--	--	--	--	--	--	--	660 U	670 U	660 U	660 U	660 U	670 U	670 U	660 U
bis (2-chloroethoxy) methane	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-ethylhexyl) phthalate	ug/kg	--	--	--	--	--	--	--	330 U	330 U	1300	330 U	330 U	330 U	330 U	330 U
Butylbenzylphthalate	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--
Di-n-butyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dibenzofuran	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Dimethyl phthalate	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachlorobenzene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Hexachloroethane	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
n-Nitroso-di-n-propylamine	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
N-nitrosodiphenylamine	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Total Petroleum Hydrocarbons																

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-22	SD-23	SD-23	SD-27	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3
	SAMPLE	SD-22-03	SD-23-01	SD-23-03	SD-27-02	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009
	DATE	3/9/2016	3/9/2016	3/9/2016	2/15/2017	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
	SAMPLE TOP DEPTH (FT)	2	0	2	2	0	3	5	0	0.5	2.5	5.5	0	0.5	2	0
	SAMPLE BOTTOM DEPTH (FT)	3	1	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	DEEPEST BASELINE GROUP FOR RISK ASSESSMENT	3	0.5	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
	SAMPLE TYPE															
ANALYTE	UNITS															
TPH as diesel	mg/kg	10 U	47	11 U	10 U	21	19	10 U	10 U	10 U	140	10 U	10 U	10 U	10 U	10 U
TPH as gasoline	mg/kg	1.3 U	--	1.5 U	1.1 U	2.2 U	1.2 U	1 U	--	--	1.4 U	1.1 U	--	--	1.4 U	--
TPH as motor oil	mg/kg	12	140	11 U	10 U	130	46	12	32	33.6	902	60	15.1 J	12.2 J	13 J	10 U
Volatile Organic Compounds																
1,1-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1,1-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1,1,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1,2-Trichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,1,2,2-Tetrachloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
1,2-Dibromo-3-chloropropane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
1,2-Dibromoethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,2-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U
1,2-Dichloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,2,3-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,2,3-Trichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
1,2,4-Trichlorobenzene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U
1,2,4-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
1,3-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U
1,3-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
1,3,5-Trimethylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
1,4-Dichlorobenzene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	6.3 UJ	7 U	330 U	330 U	8 U	330 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	330 U	--	--	--	--	--	--	--
2-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	63 U	--	--	--	--	--
2,2-Dichloropropane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
2,4,5-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
4-Isopropyltoluene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Acetone	ug/kg	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U	--
Acrolein	ug/kg	--	--	--	--	--	--	--	--	--	130 U	140 U	--	--	160 U	--
Acrylonitrile	ug/kg	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U	--
Benzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
bis (2-chloroethyl) ether	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
bis (2-chloroisopropyl) ether	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Bromobenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
Bromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Bromodichloromethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Bromoform	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Bromomethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Carbon disulfide	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Carbon tetrachloride	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Chloro methane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Chlorobenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Chloroethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Chloroform	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
cis-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
cis-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	--	--	--	--	--
Dibromochloromethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	SD-22	SD-23	SD-23	SD-27	SD-OS37	SD-OS37	SD-OS37	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-1	UA2-300B-2	UA2-300B-2	UA2-300B-2	UA2-300B-3
	SAMPLE	SD-22-03	SD-23-01	SD-23-03	SD-27-02	SD-37-OS1-1001	SD-37-OS1-1002	SD-37-OS1-1003	300B-1-10001	300B-1-10002	300B-1-10003	300B-1-10004	300B-2-10005	300B-2-10006	300B-2-10007	300B-3-10009
	DATE	3/9/2016	3/9/2016	3/9/2016	2/15/2017	11/30/2016	11/30/2016	11/30/2016	9/23/2008	9/23/2008	10/23/2008	10/23/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		2	0	2	2	0	3	5	0	0.5	2.5	5.5	0	0.5	2	0
SAMPLE BOTTOM DEPTH (FT)		3	1	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		3	0.5	3	3	0.5	3.5	5.5	0.5	1	3	6	0.5	1	3	0.5
SAMPLE TYPE																
ANALYTE	UNITS															
Dibromomethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Dichlorodifluoromethane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Ethyl- benzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Hexachlorobutadiene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	6.3 U	7 U	330 U	330 U	8 U	330 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	660 U	--	--	--	--	--	--	--
Isophorone	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
Isopropylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	--	--	--	--	--
Methyl ethyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U	--
Methyl isobutyl ketone	ug/kg	--	--	--	--	--	--	--	--	--	63 U	70 U	--	--	80 U	--
Methyl tert-butyl ether (MTBE)	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	--	--	--	--	--
Methylene chloride	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
N-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
N-Propylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
Nitrobenzene	ug/kg	--	--	--	--	--	--	--	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 U
p-Chlorotoluene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
sec-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
Styrene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
tert-Butylbenzene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 UJ	7 U	--	--	8 U	--
Tetrachloroethene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Toluene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
trans-1,2-Dichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
trans-1,3-Dichloropropene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Trichloroethene	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Trichlorofluoromethane (Freon 11)	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Vinyl chloride	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Xylene, m,p-	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Xylene, o-	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--
Xylenes, total	ug/kg	--	--	--	--	--	--	--	--	--	6.3 U	7 U	--	--	8 U	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	5	0.5	0	0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	0.5	1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	6	1	0.5	1	3	0.5	1	3
SAMPLE TYPE					Field Duplicate						
ANALYTE	UNITS										
Anion											
Nitrate	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxins											
1,2,3,4,6,7,8-HpCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
OCDD	ng/kg	--	--	--	--	--	--	--	--	--	--
OCDF	ng/kg	--	--	--	--	--	--	--	--	--	--
TEQ Avian	ng/kg	--	--	--	--	--	--	--	--	--	--
TEQ Human	ng/kg	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	ng/kg	--	--	--	--	--	--	--	--	--	--
General											
Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--
pH	PHUNITS	--	--	--	--	--	--	--	--	--	--
Phosphate	mg/kg	--	--	--	--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--
Metals											
Antimony	mg/kg	2 U	2 U	2 U	--	2 U	2 U	2 U	2 UJ	2 U	2 U
Arsenic	mg/kg	10	12	14	--	9.1	11	11	8.4	10	9.4
Barium	mg/kg	220	180	890	--	230	190	220	290 J	390	360
Beryllium	mg/kg	2 U	2 U	2 U	--	2 U	1 U	2 U	1 U	2 U	2 U
Cadmium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Chromium-SPLP	mg/l	--	--	--	--	--	--	--	--	--	--
Chromium, Hexavalent	mg/kg	--	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chromium, total	mg/kg	26	25	32	--	22	20	28	22	33	35
Cobalt	mg/kg	10	9.9	10	--	8.4	7.4	11	7	11	11
Copper	mg/kg	13	13	9.4	--	11	11	15	11	11	12
CR6 SPLP	mg/l	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	6.3	4	3.6	--	4.4	3.4	3.4	13	3.9	3.4
Mercury	mg/kg	0.099 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Molybdenum	mg/kg	2 U	2 U	2 U	--	2 U	1 U	2 U	1 U	2 U	2 U
Nickel	mg/kg	19	20	22	--	17	14	21	15	24	25
Selenium	mg/kg	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	mg/kg	2 U	2 U	2 U	--	2 U	1 U	2 U	1 U	2 U	2 U
Thallium	mg/kg	4 U	4.1 U	4.1 U	--	4 U	2 U	4.1 U	2 U	4.1 U	4.1 U
Vanadium	mg/kg	37	34	37	--	33	27	38	27	36	37
Zinc	mg/kg	60	65	58	--	53	47	64	62	65	62
Metals CLP											
Aluminum	mg/kg	--	--	--	--	--	--	--	11000	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	26000	--	--
Cyanide	mg/kg	--	--	--	--	--	--	--	1 U	--	--

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	5	0.5	0	0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	0.5	1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	6	1	0.5	1	3	0.5	1	3
SAMPLE TYPE					Field Duplicate						
ANALYTE	**UNITS**										
Iron	mg/kg	--	--	--	--	--	--	--	27000	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	8900	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	840	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	2400	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	210	--	--
Pesticides											
4,4-DDD	ug/kg	--	--	--	--	--	--	--	2 U	--	--
4,4-DDE	ug/kg	--	--	--	--	--	--	--	2 U	--	--
4,4-DDT	ug/kg	--	--	--	--	--	--	--	2 U	--	--
Aldrin	ug/kg	--	--	--	--	--	--	--	1 U	--	--
alpha-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--
alpha-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--
beta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--
delta-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--
Dieldrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--
Endo sulfan I	ug/kg	--	--	--	--	--	--	--	1 U	--	--
Endo sulfan II	ug/kg	--	--	--	--	--	--	--	2 U	--	--
Endosulfan sulfate	ug/kg	--	--	--	--	--	--	--	2 U	--	--
Endrin	ug/kg	--	--	--	--	--	--	--	2 U	--	--
Endrin aldehyde	ug/kg	--	--	--	--	--	--	--	2 U	--	--
Endrin ketone	ug/kg	--	--	--	--	--	--	--	2 U	--	--
gamma-BHC	ug/kg	--	--	--	--	--	--	--	1 U	--	--
gamma-Chlordane	ug/kg	--	--	--	--	--	--	--	1 U	--	--
Heptachlor	ug/kg	--	--	--	--	--	--	--	1 U	--	--
Heptachlor Epoxide	ug/kg	--	--	--	--	--	--	--	1 U	--	--
Methoxy chlor	ug/kg	--	--	--	--	--	--	--	5 U	--	--
Toxaphene	ug/kg	--	--	--	--	--	--	--	50 U	--	--
Polychlorinated Biphenyls											
Aroclor 1016	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1221	ug/kg	33 U	33 U	33 U	--	33 U	33 U	33 U	33 U	33 U	34 U
Aroclor 1232	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1242	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1248	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1254	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1260	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1262	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor 1268	ug/kg	17 U	17 U	17 U	--	17 U	17 U	17 U	17 U	17 U	17 U
Total PCBs	ug/kg	0 U	0 U	0 U	--	0 U	0 U	0 U	0 U	0 U	0 U
Polycyclic Aromatic Hydrocarbons											
1-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
2-Methyl naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Acenaphthylene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
B(a)P Equivalent	ug/kg	5.9 U	5.9 U	5.9 U	--	5.8 U	5.9 U	5.9 U	5.8 U	5.9 U	5.9 U
Benzo (a) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (a) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (b) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (ghi) perylene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Benzo (k) fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Chrysene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Dibenzo (a,h) anthracene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Fluoranthene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	5	0.5	0	0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	0.5	1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	6	1	0.5	1	3	0.5	1	3
SAMPLE TYPE					Field Duplicate						
ANALYTE	**UNITS**										
Fluorene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Indeno (1,2,3-cd) pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Naphthalene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
PAH High molecular weight	ug/kg	0	0	0	--	0	0	0	0	0	0
PAH Low molecular weight	ug/kg	0	0	0	--	0	0	0	0	0	0
Phenanthrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Pyrene	ug/kg	5.1 U	5.1 U	5.1 U	--	5 U	5.1 U	5.1 U	5 U	5.1 U	5.1 U
Semi-Volatile Organic Compounds											
1,1´-Biphenyl	ug/kg	--	--	--	--	--	--	--	700 U	--	--
1,2,4,5-Tetrachlorobenzene	ug/kg	--	--	--	--	--	--	--	700 U	--	--
2-Chloro naphthalene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,3,4,6-Tetrachlorophenol	ug/kg	--	--	--	--	--	--	--	700 U	--	--
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,4-Dinitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
3-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
3,3-Dichlorobenzidene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Chloro-3-methylphenol	ug/kg	670 U	670 U	670 U	--	660 U	670 U	670 U	660 U	670 U	670 U
4-Chloroaniline	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Nitroaniline	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4-Nitrophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
4,6-Dinitro-2-methylphenol	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acetophenone	ug/kg	--	--	--	--	--	--	--	700 U	--	--
Atrazine	ug/kg	--	--	--	--	--	--	--	700 U	--	--
Benzaldehyde	ug/kg	--	--	--	--	--	--	--	700 U	--	--
Benzoic acid	ug/kg	1700 U	1700 U	1700 U	--	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Benzyl alcohol	ug/kg	670 U	670 U	670 U	--	660 U	670 U	670 U	660 U	670 U	670 U
bis (2-chloroethoxy) methane	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
bis (2-ethylhexyl) phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Butylbenzylphthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Caprolactam	ug/kg	--	--	--	--	--	--	--	--	--	--
Carbazole	ug/kg	--	--	--	--	--	--	--	330 U	--	--
Di-n-butyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Di-n-octyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Dibenzofuran	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Diethyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Dimethyl phthalate	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Hexachlorobenzene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Hexachloroethane	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
n-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
N-nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Pentachlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
Phenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Total Petroleum Hydrocarbons											

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	5	0.5	0	0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	0.5	1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	6	1	0.5	1	3	0.5	1	3
SAMPLE TYPE					Field Duplicate						
ANALYTE	**UNITS**										
TPH as diesel	mg/kg	10 U	10 U	10 UJ	--	10 U	10 U	10 U	10.5	10 U	10 U
TPH as gasoline	mg/kg	--	1.6 U	1.6 U	--	--	--	0.75 U	--	--	1.7 U
TPH as motor oil	mg/kg	10 U	10 U	10 UJ	--	10 U	10 U	10 U	60 J	29.7 J	11.2 J
Volatile Organic Compounds											
1,1-Dichloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1-Dichloroethene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1-Dichloropropene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1,1-Trichloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1,1,2-Tetrachloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1,2-Trichloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,1,2,2-Tetrachloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2-Dibromo-3-chloropropane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2-Dibromoethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2-Dichlorobenzene	ug/kg	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U
1,2-Dichloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2-Dichloropropane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2,3-Trichlorobenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2,3-Trichloropropane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,2,4-Trichlorobenzene	ug/kg	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U
1,2,4-Trimethylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,3-Dichlorobenzene	ug/kg	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U
1,3-Dichloropropane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,3,5-Trimethylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
1,4-Dichlorobenzene	ug/kg	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U
1,4-Dioxane	ug/kg	--	--	--	--	--	--	--	330 U	--	--
2-Chlorotoluene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
2-Hexanone	ug/kg	--	--	--	--	--	--	--	--	--	77 U
2,2-Dichloropropane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
2,4,5-Trichlorophenol	ug/kg	1600 U	1600 U	1600 U	--	1600 U	1600 U	1600 U	1600 U	1600 U	1600 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
4-Isopropyltoluene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Acetone	ug/kg	--	68 U	59 U	--	--	--	85 U	--	--	77 U
Acrolein	ug/kg	--	140 U	120 U	--	--	--	170 U	--	--	150 U
Acrylonitrile	ug/kg	--	68 U	59 U	--	--	--	85 U	--	--	77 U
Benzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
bis (2-chloroethyl) ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
bis (2-chloroisopropyl) ether	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Bromobenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Bromochloromethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Bromodichloromethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Bromoform	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Bromomethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Carbon disulfide	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Carbon tetrachloride	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Chloro methane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Chlorobenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Chloroethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Chloroform	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
cis-1,2-Dichloroethene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
cis-1,3-Dichloropropene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Cyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	7.7 U
Dibromochloromethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U

Table OCSxBCW+AOC4-A1
Dataset for OCS Excluding BCW and AOC 4 HHE

Soil Human Health and Ecological Risk Assessm
PG&E Topock Compressor Station
Needles, California

	LOCATION	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-3	UA2-300B-4	UA2-300B-4	UA2-300B-4	UA2-300B-5	UA2-300B-5	UA2-300B-5
	SAMPLE	300B-3-10010	300B-3-10012	300B-3-10013	300B-3-10011	300B-4-10014	300B-4-10015	300B-4-10016	300B-5-10018	300B-5-10019	300B-5-10020
	DATE	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008	10/3/2008
SAMPLE TOP DEPTH (FT)		0.5	2	5	0.5	0	0.5	2	0	0.5	2
SAMPLE BOTTOM DEPTH (FT)		1	3	6	1	0.5	1	3	0.5	1	3
DEEPEST BASELINE GROUP FOR RISK ASSESSMENT		1	3	6	1	0.5	1	3	0.5	1	3
SAMPLE TYPE					Field Duplicate						
ANALYTE	UNITS										
Dibromomethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Dichlorodifluoromethane	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Ethyl- benzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Hexachlorobutadiene	ug/kg	330 U	6.8 U	5.9 U	--	330 U	330 U	8.5 U	330 U	330 U	7.7 U
Hexachlorocyclopentadiene	ug/kg	--	--	--	--	--	--	--	660 U	--	--
Isophorone	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
Isopropylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Methyl acetate	ug/kg	--	--	--	--	--	--	--	--	--	7.7 U
Methyl ethyl ketone	ug/kg	--	68 U	59 U	--	--	--	85 U	--	--	77 U
Methyl isobutyl ketone	ug/kg	--	68 U	59 U	--	--	--	85 U	--	--	77 U
Methyl tert-butyl ether (MTBE)	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Methylcyclohexane	ug/kg	--	--	--	--	--	--	--	--	--	7.7 U
Methylene chloride	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
N-Butylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
N-Propylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	--	330 U	330 U	330 U	330 U	330 U	340 U
p-Chlorotoluene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
sec-Butylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Styrene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
tert-Butylbenzene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Tetrachloroethene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Toluene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
trans-1,2-Dichloroethene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
trans-1,3-Dichloropropene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Trichloroethene	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Trichlorofluoromethane (Freon 11)	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Vinyl chloride	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Xylene, m,p-	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Xylene, o-	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U
Xylenes, total	ug/kg	--	6.8 U	5.9 U	--	--	--	8.5 U	--	--	7.7 U

Abbreviations:
-- = not applicable
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
J = estimated value
U = not detected at specified reporting limit
UJ = not detected at specified reporting limit; reporting limit
AOC = area of concern
BHC = benzene hexachloride
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
TPH = total petroleum hydrocarbon
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyls

ATTACHMENT B

Dose and Risk Calculations for Ecological Receptors at OCS Excluding BCW and AOC 4 Using Depth-Weighted EPCs

Attachment OCSxBCW+AOC4-B
Dose and Risk Calculations for Ecological Receptors at OCS (excluding BCW and AOC 4) Using Depth-Weighted EPCs

Table OCSxBCW+AOC4-B.1	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-B.2	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-B.3	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-B.4	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-B Table Notes	Notes for Terrestrial Wildlife Risk Calculations

Table OCSxBCW+AOC4-B.1
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Antimony	Red-Tailed Hawk	1.5E+01	m	100% Mammals	1.4E-02	7.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	7.2E+01		100% Mammals	1.4E-02	5.3E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	1.2E+02		100% Mammals	1.4E-02	7.8E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	1.0E+02		100% Mammals	1.4E-02	1.5E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	5.3E+01		100% Mammals	1.4E-02	6.3E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	1.1E+00		100% Mammals	1.4E-02	2.1E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	1.5E+02		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloro methane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloroform	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Methyl acetate	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	4.3E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	6.4E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Isophorone	Red-Tailed Hawk	2.8E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	3.2E-01		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	4.1E+00		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	m	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dieldrin	Red-Tailed Hawk	6.7E-03	m	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	m	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	3.7E-01		100% Mammals	1.4E-02	2.6E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	1.7E+02		100% Mammals	1.4E-02	1.6E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	3.4E+02		100% Mammals	1.4E-02	3.4E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Miscellaneous										
Cyanide	Red-Tailed Hawk	2.2E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics										
Antimony	Desert Kit Fox	1.5E+01	m	100% Mammals	2.8E-02	7.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	7.2E+01		100% Mammals	2.8E-02	5.3E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	7.8E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.5E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	7.3E+01		100% Mammals	2.8E-02	6.3E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	3.0E+00		100% Mammals	2.8E-02	2.1E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	7.1E-01		100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	1.5E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	2.6E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloro methane	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloroform	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Methyl acetate	Desert Kit Fox	1.7E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	4.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	7.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Isophorone	Desert Kit Fox	2.9E+01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	3.2E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	4.1E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Alpha-Chlordane	Desert Kit Fox	1.2E-02	m	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dieldrin	Desert Kit Fox	6.7E-03	m	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table OCSxBCW+AOC4-B.1
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-02	1.7E-02	7.6E-02	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	4.2E-01	8.0E-02	5.0E-01	2.5E+00	2.5E+01	2E-01	2E-02
Chromium, total	Red-Tailed Hawk	--	--	6.2E-01	1.3E-01	7.6E-01	2.7E+00	1.6E+01	3E-01	5E-02
Copper	Red-Tailed Hawk	--	--	1.2E+00	1.2E-01	1.3E+00	4.1E+00	1.2E+01	3E-01	1E-01
Lead	Red-Tailed Hawk	--	--	5.0E-01	5.9E-02	5.6E-01	1.6E+00	3.3E+00	3E-01	2E-01
Mercury	Red-Tailed Hawk	--	--	1.7E-02	1.2E-03	1.8E-02	3.9E-02	1.8E-01	5E-01	1E-01
Thallium	Red-Tailed Hawk	--	--	--	--	0.0E+00	3.5E-01	3.5E+00	--	--
Zinc	Red-Tailed Hawk	--	--	8.8E+00	1.6E-01	9.0E+00	6.6E+01	1.7E+02	1E-01	5E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	4.8E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	7.1E-04	7.1E-04	1.1E+00	1.1E+01	6E-04	6E-05
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	3.1E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.6E-04	3.6E-04	2.3E+01	2.3E+02	2E-05	2E-06
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.6E-03	4.6E-03	1.0E+01	1.0E+02	5E-04	5E-05
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	2.3E-01	2.3E+00	1E-01	1E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	2.3E-01	2.3E+00	**4E+00**	4E-01
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.8E-02	2.1E+00	1.1E+01	1E-02	3E-03
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	9.4E-03	7.1E-02	3.8E+00	1E-01	2E-03
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	3.0E-02	2.1E+00	1.1E+01	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	2.1E-03	4.1E-04	2.5E-03	9.0E-02	1.3E+00	3E-02	2E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.3E+01	1.9E-01	1.3E+01	1.4E+01	1.4E+02	9E-01	9E-02
TEQ Mammals	Red-Tailed Hawk	--	--	2.7E+01	3.7E-01	2.7E+01	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	2.4E-04	4.0E-02	4.0E-01	6E-03	6E-04
Inorganics										
Antimony	Desert Kit Fox	--	--	2.7E-02	1.5E-02	4.1E-02	5.9E-02	5.9E-01	7E-01	7E-02
Chromium, hexavalent	Desert Kit Fox	--	--	1.9E-01	7.1E-02	2.6E-01	9.2E+00	3.8E+01	3E-02	7E-03
Chromium, total	Desert Kit Fox	--	--	2.8E-01	2.0E-01	4.8E-01	2.4E+00	9.6E+00	2E-01	5E-02
Copper	Desert Kit Fox	--	--	5.3E-01	1.0E-01	6.4E-01	5.6E+00	9.3E+00	1E-01	7E-02
Lead	Desert Kit Fox	--	--	2.2E-01	7.2E-02	2.9E-01	4.7E+00	8.9E+00	6E-02	3E-02
Mercury	Desert Kit Fox	--	--	7.5E-03	2.9E-03	1.0E-02	2.5E-01	4.0E+00	4E-02	3E-03
Thallium	Desert Kit Fox	--	--	--	7.0E-04	7.0E-04	4.8E-01	1.4E+00	1E-03	5E-04
Zinc	Desert Kit Fox	--	--	3.9E+00	1.5E-01	4.1E+00	7.5E+01	3.0E+02	5E-02	1E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	2.6E-05	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	1.5E+01	4.1E+01	7E-07	3E-07
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.7E-05	9.0E+01	3.6E+02	2E-07	5E-08
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	4.3E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	7.3E-04	7.3E-04	1.8E+01	1.8E+02	4E-05	4E-06
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	2.8E-02	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.2E-04	3.2E-04	6.6E+01	3.3E+02	5E-06	1E-06
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	4.1E-03	4.1E-03	6.2E-01	3.1E+00	7E-03	1E-03
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	1.5E-01	7.4E-01	9E-02	2E-02
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	1.5E-01	7.4E-01	**3E+00**	5E-01
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.2E-02	4.6E+00	9.2E+00	3E-03	1E-03
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	4.2E-03	1.5E-02	3.0E-02	3E-01	1E-01

Table OCSxBCW+AOC4-B.1
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	m	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	3.7E-01		100% Mammals	2.8E-02	2.6E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	1.6E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	3.7E+02		100% Mammals	2.8E-02	3.4E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Miscellaneous										
Asbestos	Desert Kit Fox	--		100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Cyanide	Desert Kit Fox	2.2E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	1.5E+01	m	100% Plants	3.0E-01	5.0E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	7.2E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	8.4E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	1.2E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	7.3E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	3.0E+00		100% Plants	3.0E-01	6.7E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	7.1E-01		100% Plants	3.0E-01	2.8E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	1.5E+02		100% Plants	3.0E-01	7.8E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	7.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.2E-01		100% Plants	3.0E-01	1.6E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	4.1E+00		100% Plants	3.0E-01	7.0E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	m	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	m	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	m	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	3.7E-01		100% Plants	3.0E-01	3.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	3.7E+02		100% Plants	3.0E-01	2.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCSxBCW+AOC4-B.1
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.3E-02	4.6E+00	9.2E+00	3E-03	1E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	9.3E-04	3.6E-04	1.3E-03	3.6E-01	1.3E+00	4E-03	1E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	5.8E+00	2.0E-01	6.0E+00	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	1.2E+01	3.7E-01	1.2E+01	1.0E+00	1.0E+01	**1E+01**	1E+00
Miscellaneous										
Asbestos	Desert Kit Fox	--	--	--	--	0.0E+00	--	--	--	--
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.2E-04	4.5E+00	1.3E+01	5E-05	2E-05
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	6.9E-03	--	--	6.2E-02	6.9E-02	4.3E-02	4.3E-01	**2E+00**	2E-01
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	3.4E-01	9.2E+00	3.8E+01	4E-02	9E-03
Chromium, total	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	8.4E-01	9.5E-01	2.4E+00	9.6E+00	4E-01	1E-01
Copper	Nelson's Desert Bighorn Sheep	1.7E-01	--	--	4.3E-01	6.0E-01	5.6E+00	9.3E+00	1E-01	6E-02
Lead	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	3.4E-01	3.4E+00	6.4E+00	1E-01	5E-02
Mercury	Nelson's Desert Bighorn Sheep	9.1E-03	--	--	1.2E-02	2.1E-02	1.8E-01	2.9E+00	1E-01	7E-03
Thallium	Nelson's Desert Bighorn Sheep	3.9E-05	--	--	2.9E-03	3.0E-03	3.5E-01	1.0E+00	8E-03	3E-03
Zinc	Nelson's Desert Bighorn Sheep	1.1E+00	--	--	6.3E-01	1.7E+00	7.5E+01	3.0E+02	2E-02	6E-03
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.1E-04	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	1.1E+01	3.0E+01	4E-06	2E-06
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	7.0E-05	6.6E+01	2.6E+02	1E-06	3E-07
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	1.8E-03	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	3.0E-03	3.0E-03	1.2E+01	1.2E+02	3E-04	3E-05
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.2E-01	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	2.2E-03	--	--	1.3E-03	3.5E-03	6.6E+01	3.3E+02	5E-05	1E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	9.6E-03	--	--	1.7E-02	2.7E-02	6.2E-01	3.1E+00	4E-02	9E-03
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	9.7E-02	4.9E-01	3E-04	5E-05
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	9.7E-02	4.9E-01	5E-04	1E-04
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	8.1E-05	2.9E+00	5.8E+00	3E-05	1E-05
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	6.5E-05	1.0E-02	2.1E-02	6E-03	3E-03
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	8.7E-05	2.9E+00	5.8E+00	3E-05	2E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.0E-05	--	--	1.5E-03	1.6E-03	2.3E-01	8.1E-01	7E-03	2E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	8.4E-01	8.6E-01	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.5E+00	1.5E+00	7.3E-01	7.3E+00	**2E+00**	2E-01
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	9.1E-04	3.3E+00	9.1E+00	3E-04	1E-04

See Notes and Abbreviations following Table OCSxBCW+AOC4-B.4.

Table OCSxBCW+AOC4-B.2
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Antimony	Red-Tailed Hawk	1.5E+01	m	100% Mammals	1.4E-02	7.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	7.2E+01		100% Mammals	1.4E-02	5.3E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	1.2E+02		100% Mammals	1.4E-02	7.8E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	1.0E+02		100% Mammals	1.4E-02	1.5E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	5.3E+01		100% Mammals	1.4E-02	6.3E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	1.1E+00		100% Mammals	1.4E-02	2.1E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	1.5E+02		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloro methane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloroform	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Methyl acetate	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	4.3E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	6.4E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Isophorone	Red-Tailed Hawk	2.8E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	3.2E-01		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	4.1E+00		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	m	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dieldrin	Red-Tailed Hawk	6.7E-03	m	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	m	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	3.7E-01		100% Mammals	1.4E-02	2.6E-02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	1.7E+02		100% Mammals	1.4E-02	1.6E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	3.4E+02		100% Mammals	1.4E-02	3.4E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Miscellaneous										
Cyanide	Red-Tailed Hawk	2.2E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics										
Antimony	Desert Kit Fox	1.5E+01	m	100% Mammals	2.8E-02	7.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	7.2E+01		100% Mammals	2.8E-02	5.3E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	7.8E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.5E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	7.3E+01		100% Mammals	2.8E-02	6.3E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	3.0E+00		100% Mammals	2.8E-02	2.1E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	7.1E-01		100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	1.5E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	2.6E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloro methane	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloroform	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Methyl acetate	Desert Kit Fox	1.7E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	4.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	7.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Isophorone	Desert Kit Fox	2.9E+01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	3.2E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	4.1E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Alpha-Chlordane	Desert Kit Fox	1.2E-02	m	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dieldrin	Desert Kit Fox	6.7E-03	m	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table OCSxBCW+AOC4-B.2
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-02	1.7E-02	7.6E-02	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	4.2E-01	8.0E-02	5.0E-01	--	--	--	--
Chromium, total	Red-Tailed Hawk	--	--	6.2E-01	1.3E-01	7.6E-01	2.7E+00	1.6E+01	3E-01	5E-02
Copper	Red-Tailed Hawk	--	--	1.2E+00	1.2E-01	1.3E+00	2.3E+00	5.2E+01	6E-01	3E-02
Lead	Red-Tailed Hawk	--	--	5.0E-01	5.9E-02	5.6E-01	1.4E-02	8.8E+00	**4E+01**	6E-02
Mercury	Red-Tailed Hawk	--	--	1.7E-02	1.2E-03	1.8E-02	3.9E-02	1.8E-01	5E-01	1E-01
Thallium	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Zinc	Red-Tailed Hawk	--	--	8.8E+00	1.6E-01	9.0E+00	1.7E+01	1.7E+02	5E-01	5E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	4.8E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	7.1E-04	7.1E-04	1.1E+00	1.1E+01	6E-04	6E-05
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	3.1E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.6E-04	3.6E-04	2.3E+01	2.3E+02	2E-05	2E-06
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.6E-03	4.6E-03	1.0E+01	1.0E+02	5E-04	5E-05
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	9.0E-03	1.5E+00	**3E+00**	2E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	9.0E-03	6.0E-01	**9E+01**	1E+00
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.8E-02	2.1E+00	1.1E+01	1E-02	3E-03
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	9.4E-03	7.1E-02	3.8E+00	1E-01	2E-03
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	3.0E-02	2.1E+00	1.1E+01	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	2.1E-03	4.1E-04	2.5E-03	9.0E-02	1.3E+00	3E-02	2E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.3E+01	1.9E-01	1.3E+01	1.4E+01	1.4E+02	9E-01	9E-02
TEQ Mammals	Red-Tailed Hawk	--	--	2.7E+01	3.7E-01	2.7E+01	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	2.4E-04	4.0E-02	4.0E-01	6E-03	6E-04
Inorganics										
Antimony	Desert Kit Fox	--	--	2.7E-02	1.5E-02	4.1E-02	5.9E-02	5.9E-01	7E-01	7E-02
Chromium, hexavalent	Desert Kit Fox	--	--	1.9E-01	7.1E-02	2.6E-01	9.2E+00	3.8E+01	3E-02	7E-03
Chromium, total	Desert Kit Fox	--	--	2.8E-01	2.0E-01	4.8E-01	2.4E+00	9.6E+00	2E-01	5E-02
Copper	Desert Kit Fox	--	--	5.3E-01	1.0E-01	6.4E-01	2.7E+00	6.3E+02	2E-01	1E-03
Lead	Desert Kit Fox	--	--	2.2E-01	7.2E-02	2.9E-01	1.0E+00	2.4E+02	3E-01	1E-03
Mercury	Desert Kit Fox	--	--	7.5E-03	2.9E-03	1.0E-02	2.5E-01	4.0E+00	4E-02	3E-03
Thallium	Desert Kit Fox	--	--	--	7.0E-04	7.0E-04	4.8E-01	1.4E+00	1E-03	5E-04
Zinc	Desert Kit Fox	--	--	3.9E+00	1.5E-01	4.1E+00	9.6E+00	4.1E+02	4E-01	1E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	2.6E-05	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.7E-05	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	4.3E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	7.3E-04	7.3E-04	1.8E+01	1.8E+02	4E-05	4E-06
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	2.8E-02	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.2E-04	3.2E-04	5.0E+01	1.5E+02	6E-06	2E-06
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	4.1E-03	4.1E-03	1.3E+00	3.3E+01	3E-03	1E-04
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	8.0E-01	1.6E+01	2E-02	9E-04
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	8.0E-01	1.6E+01	5E-01	2E-02
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.2E-02	4.6E+00	9.2E+00	3E-03	1E-03
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	4.2E-03	1.5E-02	3.0E-02	3E-01	1E-01

Table OCSxBCW+AOC4-B.2
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	m	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	3.7E-01		100% Mammals	2.8E-02	2.6E-02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	1.6E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	3.7E+02		100% Mammals	2.8E-02	3.4E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Miscellaneous										
Cyanide	Desert Kit Fox	2.2E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	1.5E+01	m	100% Plants	3.0E-01	5.0E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	7.2E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	8.4E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	1.2E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	7.3E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	3.0E+00		100% Plants	3.0E-01	6.7E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	7.1E-01		100% Plants	3.0E-01	2.8E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	1.5E+02		100% Plants	3.0E-01	7.8E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	7.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.2E-01		100% Plants	3.0E-01	1.6E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	4.1E+00		100% Plants	3.0E-01	7.0E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	m	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	m	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	m	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	3.7E-01		100% Plants	3.0E-01	3.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	3.7E+02		100% Plants	3.0E-01	2.1E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCSxBCW+AOC4-B.2
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Depth-Weighted Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.3E-02	4.6E+00	9.2E+00	3E-03	1E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	9.3E-04	3.6E-04	1.3E-03	3.6E-01	1.3E+00	4E-03	1E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	5.8E+00	2.0E-01	6.0E+00	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	1.2E+01	3.7E-01	1.2E+01	1.0E+00	1.0E+01	**1E+01**	1E+00
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.2E-04	4.5E+00	1.3E+01	5E-05	2E-05
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	6.9E-03	--	--	6.2E-02	6.9E-02	5.9E-02	5.9E-01	1E+00	1E-01
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	3.4E-01	9.2E+00	3.8E+01	4E-02	9E-03
Chromium, total	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	8.4E-01	9.5E-01	2.4E+00	9.6E+00	4E-01	1E-01
Copper	Nelson's Desert Bighorn Sheep	1.7E-01	--	--	4.3E-01	6.0E-01	1.7E+00	4.6E+02	4E-01	1E-03
Lead	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	3.4E-01	7.3E-01	1.5E+02	5E-01	2E-03
Mercury	Nelson's Desert Bighorn Sheep	9.1E-03	--	--	1.2E-02	2.1E-02	1.8E-01	2.9E+00	1E-01	7E-03
Thallium	Nelson's Desert Bighorn Sheep	3.9E-05	--	--	2.9E-03	3.0E-03	3.5E-01	1.0E+00	8E-03	3E-03
Zinc	Nelson's Desert Bighorn Sheep	1.1E+00	--	--	6.3E-01	1.7E+00	6.0E+00	3.0E+02	3E-01	6E-03
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.1E-04	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	7.0E-05	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	1.8E-03	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	3.0E-03	3.0E-03	1.8E+01	1.8E+02	2E-04	2E-05
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.2E-01	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	2.2E-03	--	--	1.3E-03	3.5E-03	3.6E+01	1.1E+02	1E-04	3E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	9.6E-03	--	--	1.7E-02	2.7E-02	8.2E-01	2.1E+01	3E-02	1E-03
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	5.8E-01	1.2E+01	5E-05	2E-06
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	5.8E-01	1.2E+01	8E-05	4E-06
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	8.1E-05	4.6E+00	9.2E+00	2E-05	9E-06
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	6.5E-05	1.5E-02	3.0E-02	4E-03	2E-03
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	8.7E-05	4.6E+00	9.2E+00	2E-05	1E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.0E-05	--	--	1.5E-03	1.6E-03	2.3E-01	8.1E-01	7E-03	2E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	8.4E-01	8.6E-01	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.5E+00	1.5E+00	1.0E+00	1.0E+01	**2E+00**	2E-01
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	9.1E-04	4.5E+00	1.3E+01	2E-04	7E-05

See Notes and Abbreviations following Table OCSxBCW+AOC4-B.4.

Table OCSxBCW+AOC4-B.3
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	(kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Antimony	Red-Tailed Hawk	1.5E+01	m	100% Mammals	1.4E-02	7.5E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chromium, hexavalent	Red-Tailed Hawk	7.2E+01		100% Mammals	1.4E-02	5.3E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chromium, total	Red-Tailed Hawk	1.2E+02		100% Mammals	1.4E-02	7.8E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Copper	Red-Tailed Hawk	1.0E+02		100% Mammals	1.4E-02	1.5E+01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Lead	Red-Tailed Hawk	5.3E+01		100% Mammals	1.4E-02	6.3E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Mercury	Red-Tailed Hawk	1.1E+00		100% Mammals	1.4E-02	2.1E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Thallium	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Zinc	Red-Tailed Hawk	1.5E+02		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chloro methane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chloroform	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Methyl acetate	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	4.3E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	6.4E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Isophorone	Red-Tailed Hawk	2.8E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	3.2E-01		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
PAH High molecular weight	Red-Tailed Hawk	4.1E+00		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	m	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Dieldrin	Red-Tailed Hawk	6.7E-03	m	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	m	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	3.7E-01		100% Mammals	1.4E-02	2.6E-02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	1.7E+02		100% Mammals	1.4E-02	1.6E+02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
TEQ Mammals	Red-Tailed Hawk	3.4E+02		100% Mammals	1.4E-02	3.4E+02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Miscellaneous										
Cyanide	Red-Tailed Hawk	2.2E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Inorganics										
Antimony	Desert Kit Fox	1.5E+01	m	100% Mammals	2.8E-02	7.5E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chromium, hexavalent	Desert Kit Fox	7.2E+01		100% Mammals	2.8E-02	5.3E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chromium, total	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	7.8E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Copper	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.5E+01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Lead	Desert Kit Fox	7.3E+01		100% Mammals	2.8E-02	6.3E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Mercury	Desert Kit Fox	3.0E+00		100% Mammals	2.8E-02	2.1E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Thallium	Desert Kit Fox	7.1E-01		100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Zinc	Desert Kit Fox	1.5E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	2.6E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chloro methane	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chloroform	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Methyl acetate	Desert Kit Fox	1.7E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	4.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	7.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Isophorone	Desert Kit Fox	2.9E+01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	3.2E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
PAH High molecular weight	Desert Kit Fox	4.1E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Alpha-Chlordane	Desert Kit Fox	1.2E-02	m	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Dieldrin	Desert Kit Fox	6.7E-03	m	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03

Table OCSxBCW+AOC4-B.3
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-02	1.7E-02	5.6E-04	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	4.2E-01	8.0E-02	3.7E-03	2.5E+00	2.5E+01	1E-03	1E-04
Chromium, total	Red-Tailed Hawk	--	--	6.2E-01	1.3E-01	5.5E-03	2.7E+00	1.6E+01	2E-03	4E-04
Copper	Red-Tailed Hawk	--	--	1.2E+00	1.2E-01	9.6E-03	4.1E+00	1.2E+01	2E-03	8E-04
Lead	Red-Tailed Hawk	--	--	5.0E-01	5.9E-02	4.1E-03	1.6E+00	3.3E+00	2E-03	1E-03
Mercury	Red-Tailed Hawk	--	--	1.7E-02	1.2E-03	1.3E-04	3.9E-02	1.8E-01	3E-03	7E-04
Thallium	Red-Tailed Hawk	--	--	--	--	0.0E+00	3.5E-01	3.5E+00	--	--
Zinc	Red-Tailed Hawk	--	--	8.8E+00	1.6E-01	6.6E-02	6.6E+01	1.7E+02	1E-03	4E-04
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	3.5E-06	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	7.1E-04	5.2E-06	1.1E+00	1.1E+01	5E-06	5E-07
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	2.3E-05	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.6E-04	2.6E-06	2.3E+01	2.3E+02	1E-07	1E-08
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.6E-03	3.3E-05	1.0E+01	1.0E+02	3E-06	3E-07
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	2.3E-04	2.3E-01	2.3E+00	1E-03	1E-04
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	6.1E-03	2.3E-01	2.3E+00	3E-02	3E-03
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.0E-04	2.1E+00	1.1E+01	1E-04	2E-05
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	6.8E-05	7.1E-02	3.8E+00	1E-03	2E-05
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	2.2E-04	2.1E+00	1.1E+01	1E-04	2E-05
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	2.1E-03	4.1E-04	1.8E-05	9.0E-02	1.3E+00	2E-04	1E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.3E+01	1.9E-01	9.6E-02	1.4E+01	1.4E+02	7E-03	7E-04
TEQ Mammals	Red-Tailed Hawk	--	--	2.7E+01	3.7E-01	2.0E-01	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	1.8E-06	4.0E-02	4.0E-01	4E-05	4E-06
Inorganics										
Antimony	Desert Kit Fox	--	--	2.7E-02	1.5E-02	2.5E-04	5.9E-02	5.9E-01	4E-03	4E-04
Chromium, hexavalent	Desert Kit Fox	--	--	1.9E-01	7.1E-02	1.5E-03	9.2E+00	3.8E+01	2E-04	4E-05
Chromium, total	Desert Kit Fox	--	--	2.8E-01	2.0E-01	2.8E-03	2.4E+00	9.6E+00	1E-03	3E-04
Copper	Desert Kit Fox	--	--	5.3E-01	1.0E-01	3.8E-03	5.6E+00	9.3E+00	7E-04	4E-04
Lead	Desert Kit Fox	--	--	2.2E-01	7.2E-02	1.7E-03	4.7E+00	8.9E+00	4E-04	2E-04
Mercury	Desert Kit Fox	--	--	7.5E-03	2.9E-03	6.2E-05	2.5E-01	4.0E+00	2E-04	2E-05
Thallium	Desert Kit Fox	--	--	--	7.0E-04	4.2E-06	4.8E-01	1.4E+00	9E-06	3E-06
Zinc	Desert Kit Fox	--	--	3.9E+00	1.5E-01	2.4E-02	7.5E+01	3.0E+02	3E-04	8E-05
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	1.5E-07	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	6.5E-08	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	6.5E-08	1.5E+01	4.1E+01	4E-09	2E-09
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.0E-07	9.0E+01	3.6E+02	1E-09	3E-10
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	2.5E-06	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	7.3E-04	4.3E-06	1.8E+01	1.8E+02	2E-07	2E-08
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	1.7E-04	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.2E-04	1.9E-06	6.6E+01	3.3E+02	3E-08	6E-09
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	4.1E-03	2.4E-05	6.2E-01	3.1E+00	4E-05	8E-06
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	8.2E-05	1.5E-01	7.4E-01	6E-04	1E-04
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	2.2E-03	1.5E-01	7.4E-01	1E-02	3E-03
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	7.4E-05	4.6E+00	9.2E+00	2E-05	8E-06
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	2.5E-05	1.5E-02	3.0E-02	2E-03	8E-04

Table OCSxBCW+AOC4-B.3
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	(kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	m	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	3.7E-01		100% Mammals	2.8E-02	2.6E-02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	1.6E+02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
TEQ Mammals	Desert Kit Fox	3.7E+02		100% Mammals	2.8E-02	3.4E+02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Miscellaneous										
Cyanide	Desert Kit Fox	2.2E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	1.5E+01	m	100% Plants	3.0E-01	5.0E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	7.2E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chromium, total	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	8.4E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Copper	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	1.2E+01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Lead	Nelson's Desert Bighorn Sheep	7.3E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Mercury	Nelson's Desert Bighorn Sheep	3.0E+00		100% Plants	3.0E-01	6.7E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Thallium	Nelson's Desert Bighorn Sheep	7.1E-01		100% Plants	3.0E-01	2.8E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Zinc	Nelson's Desert Bighorn Sheep	1.5E+02		100% Plants	3.0E-01	7.8E+01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	7.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.2E-01		100% Plants	3.0E-01	1.6E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
PAH High molecular weight	Nelson's Desert Bighorn Sheep	4.1E+00		100% Plants	3.0E-01	7.0E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	m	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	m	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	m	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	3.7E-01		100% Plants	3.0E-01	3.7E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
TEQ Mammals	Nelson's Desert Bighorn Sheep	3.7E+02		100% Plants	3.0E-01	2.1E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02

Table OCSxBCW+AOC4-B.3
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	8.0E-05	4.6E+00	9.2E+00	2E-05	9E-06
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	9.3E-04	3.6E-04	7.6E-06	3.6E-01	1.3E+00	2E-05	6E-06
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	5.8E+00	2.0E-01	3.5E-02	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	1.2E+01	3.7E-01	7.4E-02	1.0E+00	1.0E+01	7E-02	7E-03
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	1.3E-06	4.5E+00	1.3E+01	3E-07	1E-07
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	6.9E-03	--	--	6.2E-02	9.7E-04	4.3E-02	4.3E-01	2E-02	2E-03
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	4.8E-03	9.2E+00	3.8E+01	5E-04	1E-04
Chromium, total	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	8.4E-01	1.4E-02	2.4E+00	9.6E+00	6E-03	1E-03
Copper	Nelson's Desert Bighorn Sheep	1.7E-01	--	--	4.3E-01	8.5E-03	5.6E+00	9.3E+00	2E-03	9E-04
Lead	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	4.8E-03	3.4E+00	6.4E+00	1E-03	7E-04
Mercury	Nelson's Desert Bighorn Sheep	9.1E-03	--	--	1.2E-02	3.0E-04	1.8E-01	2.9E+00	2E-03	1E-04
Thallium	Nelson's Desert Bighorn Sheep	3.9E-05	--	--	2.9E-03	4.2E-05	3.5E-01	1.0E+00	1E-04	4E-05
Zinc	Nelson's Desert Bighorn Sheep	1.1E+00	--	--	6.3E-01	2.4E-02	7.5E+01	3.0E+02	3E-04	8E-05
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.5E-06	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	6.4E-07	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	6.4E-07	1.1E+01	3.0E+01	6E-08	2E-08
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	9.9E-07	6.6E+01	2.6E+02	2E-08	4E-09
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	2.5E-05	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	3.0E-03	4.3E-05	1.2E+01	1.2E+02	4E-06	4E-07
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.7E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	2.2E-03	--	--	1.3E-03	5.0E-05	6.6E+01	3.3E+02	8E-07	2E-07
PAH High molecular weight	Nelson's Desert Bighorn Sheep	9.6E-03	--	--	1.7E-02	3.8E-04	6.2E-01	3.1E+00	6E-04	1E-04
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	3.8E-07	9.7E-02	4.9E-01	4E-06	8E-07
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	7.0E-07	9.7E-02	4.9E-01	7E-06	1E-06
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	1.1E-06	2.9E+00	5.8E+00	4E-07	2E-07
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	9.3E-07	1.0E-02	2.1E-02	9E-05	4E-05
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	1.2E-06	2.9E+00	5.8E+00	4E-07	2E-07
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.0E-05	--	--	1.5E-03	2.2E-05	2.3E-01	8.1E-01	1E-04	3E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	8.4E-01	1.2E-02	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.5E+00	2.2E-02	7.3E-01	7.3E+00	3E-02	3E-03
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	1.3E-05	3.3E+00	9.1E+00	4E-06	1E-06

See Notes and Abbreviations following Table OCSxBCW+AOC4-B.4.

Table OCSxBCW+AOC4-B.4
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics										
Antimony	Red-Tailed Hawk	1.5E+01	m	100% Mammals	1.4E-02	7.5E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chromium, hexavalent	Red-Tailed Hawk	7.2E+01		100% Mammals	1.4E-02	5.3E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chromium, total	Red-Tailed Hawk	1.2E+02		100% Mammals	1.4E-02	7.8E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Copper	Red-Tailed Hawk	1.0E+02		100% Mammals	1.4E-02	1.5E+01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Lead	Red-Tailed Hawk	5.3E+01		100% Mammals	1.4E-02	6.3E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Mercury	Red-Tailed Hawk	1.1E+00		100% Mammals	1.4E-02	2.1E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Thallium	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Zinc	Red-Tailed Hawk	1.5E+02		100% Mammals	1.4E-02	1.1E+02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chloro methane	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Chloroform	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Methyl acetate	Red-Tailed Hawk	ND	nd	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	4.3E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	6.4E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Isophorone	Red-Tailed Hawk	2.8E+00	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	3.2E-01		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
PAH High molecular weight	Red-Tailed Hawk	4.1E+00		100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Pesticides										
4,4-DDT	Red-Tailed Hawk	3.0E-03	m	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
4,4-DDE	Red-Tailed Hawk	6.1E-03	m	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	m	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Dieldrin	Red-Tailed Hawk	6.7E-03	m	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	m	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	3.7E-01		100% Mammals	1.4E-02	2.6E-02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	1.7E+02		100% Mammals	1.4E-02	1.6E+02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
TEQ Mammals	Red-Tailed Hawk	3.4E+02		100% Mammals	1.4E-02	3.4E+02	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Miscellaneous										
Cyanide	Red-Tailed Hawk	2.2E-01	m	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	7.3E-03
Inorganics										
Antimony	Desert Kit Fox	1.5E+01	m	100% Mammals	2.8E-02	7.5E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chromium, hexavalent	Desert Kit Fox	7.2E+01		100% Mammals	2.8E-02	5.3E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chromium, total	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	7.8E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Copper	Desert Kit Fox	1.0E+02		100% Mammals	2.8E-02	1.5E+01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Lead	Desert Kit Fox	7.3E+01		100% Mammals	2.8E-02	6.3E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Mercury	Desert Kit Fox	3.0E+00		100% Mammals	2.8E-02	2.1E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Thallium	Desert Kit Fox	7.1E-01		100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Zinc	Desert Kit Fox	1.5E+02		100% Mammals	2.8E-02	1.1E+02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	2.6E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chloro methane	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Chloroform	Desert Kit Fox	1.1E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Methyl acetate	Desert Kit Fox	1.7E-02	m	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	4.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	7.3E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Isophorone	Desert Kit Fox	2.9E+01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	3.2E-01		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
PAH High molecular weight	Desert Kit Fox	4.1E+00		100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Pesticides										
4,4-DDT	Desert Kit Fox	3.0E-03	m	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
4,4-DDE	Desert Kit Fox	6.1E-03	m	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Alpha-Chlordane	Desert Kit Fox	1.2E-02	m	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Dieldrin	Desert Kit Fox	6.7E-03	m	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03

Table OCSxBCW+AOC4-B.4
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-02	1.7E-02	5.6E-04	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	4.2E-01	8.0E-02	3.7E-03	--	--	--	--
Chromium, total	Red-Tailed Hawk	--	--	6.2E-01	1.3E-01	5.5E-03	2.7E+00	1.6E+01	2E-03	4E-04
Copper	Red-Tailed Hawk	--	--	1.2E+00	1.2E-01	9.6E-03	2.3E+00	5.2E+01	4E-03	2E-04
Lead	Red-Tailed Hawk	--	--	5.0E-01	5.9E-02	4.1E-03	1.4E-02	8.8E+00	3E-01	5E-04
Mercury	Red-Tailed Hawk	--	--	1.7E-02	1.2E-03	1.3E-04	3.9E-02	1.8E-01	3E-03	7E-04
Thallium	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Zinc	Red-Tailed Hawk	--	--	8.8E+00	1.6E-01	6.6E-02	1.7E+01	1.7E+02	4E-03	4E-04
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	3.5E-06	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	7.1E-04	5.2E-06	1.1E+00	1.1E+01	5E-06	5E-07
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	2.3E-05	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.6E-04	2.6E-06	2.3E+01	2.3E+02	1E-07	1E-08
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.6E-03	3.3E-05	1.0E+01	1.0E+02	3E-06	3E-07
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	2.3E-04	9.0E-03	1.5E+00	3E-02	2E-04
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	6.1E-03	9.0E-03	6.0E-01	7E-01	1E-02
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.0E-04	2.1E+00	1.1E+01	1E-04	2E-05
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	6.8E-05	7.1E-02	3.8E+00	1E-03	2E-05
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	2.2E-04	2.1E+00	1.1E+01	1E-04	2E-05
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	2.1E-03	4.1E-04	1.8E-05	9.0E-02	1.3E+00	2E-04	1E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.3E+01	1.9E-01	9.6E-02	1.4E+01	1.4E+02	7E-03	7E-04
TEQ Mammals	Red-Tailed Hawk	--	--	2.7E+01	3.7E-01	2.0E-01	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	1.8E-06	4.0E-02	4.0E-01	4E-05	4E-06
Inorganics										
Antimony	Desert Kit Fox	--	--	2.7E-02	1.5E-02	2.5E-04	5.9E-02	5.9E-01	4E-03	4E-04
Chromium, hexavalent	Desert Kit Fox	--	--	1.9E-01	7.1E-02	1.5E-03	9.2E+00	3.8E+01	2E-04	4E-05
Chromium, total	Desert Kit Fox	--	--	2.8E-01	2.0E-01	2.8E-03	2.4E+00	9.6E+00	1E-03	3E-04
Copper	Desert Kit Fox	--	--	5.3E-01	1.0E-01	3.8E-03	2.7E+00	6.3E+02	1E-03	6E-06
Lead	Desert Kit Fox	--	--	2.2E-01	7.2E-02	1.7E-03	1.0E+00	2.4E+02	2E-03	7E-06
Mercury	Desert Kit Fox	--	--	7.5E-03	2.9E-03	6.2E-05	2.5E-01	4.0E+00	2E-04	2E-05
Thallium	Desert Kit Fox	--	--	--	7.0E-04	4.2E-06	4.8E-01	1.4E+00	9E-06	3E-06
Zinc	Desert Kit Fox	--	--	3.9E+00	1.5E-01	2.4E-02	9.6E+00	4.1E+02	3E-03	6E-05
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	1.5E-07	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	6.5E-08	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	6.5E-08	--	--	--	--
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.0E-07	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	2.5E-06	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	7.3E-04	4.3E-06	1.8E+01	1.8E+02	2E-07	2E-08
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	1.7E-04	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.2E-04	1.9E-06	5.0E+01	1.5E+02	4E-08	1E-08
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	4.1E-03	2.4E-05	1.3E+00	3.3E+01	2E-05	7E-07
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	8.2E-05	8.0E-01	1.6E+01	1E-04	5E-06
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	2.2E-03	8.0E-01	1.6E+01	3E-03	1E-04
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	7.4E-05	4.6E+00	9.2E+00	2E-05	8E-06
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	2.5E-05	1.5E-02	3.0E-02	2E-03	8E-04

Table OCSxBCW+AOC4-B.4
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)		Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
				Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	m	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	3.7E-01		100% Mammals	2.8E-02	2.6E-02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	2.0E+02		100% Mammals	2.8E-02	1.6E+02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
TEQ Mammals	Desert Kit Fox	3.7E+02		100% Mammals	2.8E-02	3.4E+02	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Miscellaneous										
Cyanide	Desert Kit Fox	2.2E-01	m	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	5.9E-03
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	1.5E+01	m	100% Plants	3.0E-01	5.0E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	7.2E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chromium, total	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	8.4E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Copper	Nelson's Desert Bighorn Sheep	1.0E+02		100% Plants	3.0E-01	1.2E+01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Lead	Nelson's Desert Bighorn Sheep	7.3E+01		100% Plants	3.0E-01	2.9E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Mercury	Nelson's Desert Bighorn Sheep	3.0E+00		100% Plants	3.0E-01	6.7E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Thallium	Nelson's Desert Bighorn Sheep	7.1E-01		100% Plants	3.0E-01	2.8E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Zinc	Nelson's Desert Bighorn Sheep	1.5E+02		100% Plants	3.0E-01	7.8E+01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	7.3E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.2E-01		100% Plants	3.0E-01	1.6E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
PAH High molecular weight	Nelson's Desert Bighorn Sheep	4.1E+00		100% Plants	3.0E-01	7.0E-01	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	m	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	m	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	m	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	m	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	m	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	3.7E-01		100% Plants	3.0E-01	3.7E-03	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	2.0E+02		100% Plants	3.0E-01	1.1E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
TEQ Mammals	Nelson's Desert Bighorn Sheep	3.7E+02		100% Plants	3.0E-01	2.1E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	m	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.4E-02

Table OCSxBCW+AOC4-B.4
Using Depth-Weighted Exposure Point Concentrations (Species-Specific SUF, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	8.0E-05	4.6E+00	9.2E+00	2E-05	9E-06
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	9.3E-04	3.6E-04	7.6E-06	3.6E-01	1.3E+00	2E-05	6E-06
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	5.8E+00	2.0E-01	3.5E-02	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	1.2E+01	3.7E-01	7.4E-02	1.0E+00	1.0E+01	7E-02	7E-03
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	1.3E-06	4.5E+00	1.3E+01	3E-07	1E-07
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	6.9E-03	--	--	6.2E-02	9.7E-04	5.9E-02	5.9E-01	2E-02	2E-03
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	4.8E-03	9.2E+00	3.8E+01	5E-04	1E-04
Chromium, total	Nelson's Desert Bighorn Sheep	1.1E-01	--	--	8.4E-01	1.4E-02	2.4E+00	9.6E+00	6E-03	1E-03
Copper	Nelson's Desert Bighorn Sheep	1.7E-01	--	--	4.3E-01	8.5E-03	1.7E+00	4.6E+02	5E-03	2E-05
Lead	Nelson's Desert Bighorn Sheep	4.0E-02	--	--	3.0E-01	4.8E-03	7.3E-01	1.5E+02	7E-03	3E-05
Mercury	Nelson's Desert Bighorn Sheep	9.1E-03	--	--	1.2E-02	3.0E-04	1.8E-01	2.9E+00	2E-03	1E-04
Thallium	Nelson's Desert Bighorn Sheep	3.9E-05	--	--	2.9E-03	4.2E-05	3.5E-01	1.0E+00	1E-04	4E-05
Zinc	Nelson's Desert Bighorn Sheep	1.1E+00	--	--	6.3E-01	2.4E-02	6.0E+00	3.0E+02	4E-03	8E-05
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.5E-06	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	6.4E-07	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	6.4E-07	--	--	--	--
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	9.9E-07	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	2.5E-05	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	3.0E-03	4.3E-05	1.8E+01	1.8E+02	2E-06	2E-07
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.7E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	2.2E-03	--	--	1.3E-03	5.0E-05	3.6E+01	1.1E+02	1E-06	5E-07
PAH High molecular weight	Nelson's Desert Bighorn Sheep	9.6E-03	--	--	1.7E-02	3.8E-04	8.2E-01	2.1E+01	5E-04	2E-05
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	3.8E-07	5.8E-01	1.2E+01	6E-07	3E-08
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	7.0E-07	5.8E-01	1.2E+01	1E-06	6E-08
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	1.1E-06	4.6E+00	9.2E+00	2E-07	1E-07
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	9.3E-07	1.5E-02	3.0E-02	6E-05	3E-05
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	1.2E-06	4.6E+00	9.2E+00	3E-07	1E-07
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	5.0E-05	--	--	1.5E-03	2.2E-05	2.3E-01	8.1E-01	1E-04	3E-05
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	1.6E-02	--	--	8.4E-01	1.2E-02	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	2.8E-02	--	--	1.5E+00	2.2E-02	1.0E+00	1.0E+01	2E-02	2E-03
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	1.3E-05	4.5E+00	1.3E+01	3E-06	1E-06

See Notes and Abbreviations following Table OCSxBCW+AOC4-B.4.

Table OCSxBCW+AOC4-B Table Notes
Notes for Terrestrial Wildlife Risk Calculations

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Notes:

[a] Dioxin presented in ng/kg.

[b] Total dose equation is presented below:

Total Dose (mg/kg-day) = $[(EPC_{soil} \times SIR) + (C_{plants} \times FIR \times F_{plants}) + (C_{insects} \times FIR \times F_{insects}) + (C_{mammals} \times FIR \times F_{mammals})] \times SUF$

[c] HQ = Total Dose / TRV

Abbreviations:

AOC = area of concern
BTAG = Biological Technical Assistance Group
COPEC = constituent of potential ecological concern
dw = dry weight
EPC_{soil} = exposure point concentration in soil (mg/kg dw)
EPC_{plants} = exposure point concentration in plants (mg/kg dw)
$EPC_{insects}$ = exposure point concentration in insects (mg/kg dw)
$EPC_{mammals}$ = exposure point concentration in mammals (mg/kg dw)
F_{plants} = fraction of plants in diet
$F_{insects}$ = fraction of insects in diet
$F_{mammals}$ = fraction of mammals in diet
FIR = food ingestion rate (kg dw/kg bw-day)
HQ = hazard quotient (unitless)
kg = kilogram
kg dw/kg bw-day = kilograms per kilogram of body weight per day
LOAEL = lowest observed adverse effect level (mg/kg-day)
m = maximum detected concentration
mg/kg = milligrams per kilogram
mg/kg-day = milligrams per kilogram per day
ND = not detected
ng/kg = nanograms per kilogram
NOAEL = no observed adverse effect level (mg/kg-day)
SIR = soil ingestion rate (kg dw/kg bw-day)
SUF = site use factor (fraction)
TRV = toxicity reference value (mg/kg-day)
OCS = Outside Compressor Station

ATTACHMENT C

Dose and Risk Calculations for Ecological Receptors at OCS Excluding BCW and AOC 4 Using Maximum Depth-Weighted EPCs

Attachment OCSxBCW+AOC4-C
Dose and Risk Calculations for Ecological Receptors at OCS (excluding BCW and AOC 4) Using Maximum Depth-Weighted EPCs

Table OCSxBCW+AOC4-C.1	Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-C.2	Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for AOCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-C.3	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, Selected TRVs) for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-C.4	Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)
Table OCSxBCW+AOC4-C Table Notes	Notes for Terrestrial Wildlife Risk Calculations

Table OCSxBCW+AOC4-C.1
Baseline Scenario Maximum Exposure Point Concentrations for Soil and Biota for OCS (excluding BCW and AOC 4)

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COPEC	Units	Soil Exposure Point Concentrations			Biota Exposure Point Concentrations[a,b]			
					Plants			Mammals
		0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs	0-3 ft bgs	0-6 ft bgs	0-0.5 ft bgs
Inorganics								
Antimony	mg/kg	1.50E+01	**1.90E+01**	1.00E+01	5.00E-01	**6.24E-01**	3.42E-01	7.50E-01
Chromium, hexavalent	mg/kg	**2.70E+03**	1.80E+03	9.08E+02	**1.11E+02**	7.38E+01	3.72E+01	7.65E+01
Chromium, total	mg/kg	2.80E+03	**4.00E+03**	**4.00E+03**	1.15E+02	**1.64E+02**	**1.64E+02**	7.86E+01
Copper	mg/kg	**3.10E+03**	2.07E+03	1.04E+03	**4.63E+01**	3.95E+01	3.01E+01	2.46E+01
Cyanide	mg/kg	**2.20E-01**	**2.20E-01**	**2.20E-01**	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Lead	mg/kg	9.20E+02	**1.60E+03**	8.03E+02	1.22E+01	**1.66E+01**	1.13E+01	2.21E+01
Mercury	mg/kg	3.50E+01	6.03E+01	**1.02E+02**	2.56E+00	3.44E+00	**4.57E+00**	6.72E+00
Thallium	mg/kg	--	**6.10E+00**	**6.10E+00**	--	**2.44E-02**	**2.44E-02**	--
Zinc	mg/kg	1.20E+03	**2.00E+03**	1.02E+03	2.45E+02	**3.26E+02**	2.24E+02	1.30E+02
Volatile Organic Compounds								
Bromomethane	mg/kg	--	**2.60E-02**	2.35E-02	--	**0.00E+00**	**0.00E+00**	--
Chloro methane	mg/kg	--	**1.10E-02**	1.01E-02	--	**0.00E+00**	**0.00E+00**	--
Chloroform	mg/kg	--	**1.10E-02**	9.89E-03	--	**0.00E+00**	**0.00E+00**	--
Methyl acetate	mg/kg	--	**1.70E-02**	**1.70E-02**	--	**0.00E+00**	**0.00E+00**	--
Semi-Volatile Organic Compounds								
4-Methylphenol	mg/kg	**4.30E-01**	3.45E-01	3.13E-01	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Bis (2-ethylhexyl) phthalate	mg/kg	6.40E-01	4.82E-01	**7.33E-01**	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Isophorone	mg/kg	2.80E+00	**2.86E+01**	2.83E+01	**0.00E+00**	**0.00E+00**	**0.00E+00**	0.00E+00
Polycyclic Aromatic Hydrocarbons								
PAH Low molecular weight	mg/kg	**3.88E+00**	2.60E+00	1.31E+00	**4.94E-01**	4.12E-01	3.02E-01	0.00E+00
PAH High molecular weight	mg/kg	**3.29E+01**	2.29E+01	1.34E+01	**4.98E+00**	3.53E+00	2.13E+00	0.00E+00
Pesticides								
4,4-DDT	mg/kg	**3.00E-03**	**3.00E-03**	**3.00E-03**	**1.03E-03**	**1.03E-03**	**1.03E-03**	3.90E-01
4,4-DDE	mg/kg	**6.10E-03**	**6.10E-03**	**6.10E-03**	**1.75E-03**	**1.75E-03**	**1.75E-03**	1.05E+01
Alpha-Chlordane	mg/kg	**1.20E-02**	**1.20E-02**	**1.20E-02**	**2.28E-03**	**2.28E-03**	**2.28E-03**	3.50E-01
Dieldrin	mg/kg	**6.70E-03**	**6.70E-03**	**6.70E-03**	**2.75E-03**	**2.75E-03**	**2.75E-03**	1.18E-01
Gamma-Chlordane	mg/kg	**1.30E-02**	**1.30E-02**	**1.30E-02**	**2.47E-03**	**2.47E-03**	**2.47E-03**	3.79E-01
Polychlorinated Biphenyls								
Total PCBs	mg/kg	**1.93E+00**	**1.93E+00**	1.42E+00	**1.93E-02**	**1.93E-02**	1.42E-02	2.51E-01
Dioxins								
TEQ Avian	ng/kg	**1.10E+03**	**1.10E+03**	**1.10E+03**	**6.16E+00**	**6.16E+00**	**6.16E+00**	1.26E+03
TEQ Mammals	ng/kg	**1.60E+03**	**1.60E+03**	**1.60E+03**	**8.96E+00**	**8.96E+00**	**8.96E+00**	1.90E+03

Notes:

[a] Calculated using selected soil EPC and uptake model. See Section 6 of the main report.

[b] Biota EPCs presented as 0.0 indicate no bioaccumulation from soil.

Bold indicates EPC selected to estimate plant uptake from soil (maximum of surface, shallow, and subsurface l soil).

Abbreviations:

-- = soil EPC or uptake model not available, biota EPCs could not be estimated.
BCW = Bat Cave Wash
AOC = area of concern
EPC = exposure point concentration
ft bgs = feet below ground surface
m = maximum depth-weighted concentration
mg/kg = milligrams per kilogram
nd = not detected in this depth interval
ng/kg = nanograms per kilogram
OCS = Outside Compressor Station

Table OCSxBCW+AOC4-C.2
Ecological Risk Estimate Summary for Baseline Scenario Using Maximum Exposure Point Concentrations (Wildlife SUF = 1, Selected TRVs and BTAG TRVs) for AOCS (excluding BCW and AOC 4)

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	HQs based on Selected TRVs						HQs based on BTAG TRVs					
	Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep		Red-Tailed Hawk		Desert Kit Fox		Nelson's Desert Bighorn Sheep	
	SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1		SUF = 1	
COPEC	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
Inorganics												
Antimony	--	--	8E-01	8E-02	**2E+00**	2E-01	--	--	--	--	--	--
Chromium, hexavalent	**4E+00**	4E-01	6E-01	1E-01	1E+00	3E-01	--	--	--	--	--	--
Chromium, total	**4E+00**	6E-01	**3E+00**	7E-01	**8E+00**	**2E+00**	--	--	--	--	--	--
Copper	1E+00	4E-01	7E-01	4E-01	**2E+00**	1E+00	**2E+00**	1E-01	1E+00	6E-03	**8E+00**	3E-02
Cyanide	6E-03	6E-04	5E-05	2E-05	3E-04	1E-04	--	--	--	--	--	--
Lead	**2E+00**	8E-01	5E-01	3E-01	**2E+00**	1E+00	**2E+02**	3E-01	**2E+00**	1E-02	**9E+00**	4E-02
Mercury	**1E+01**	**3E+00**	1E+00	8E-02	**3E+00**	2E-01	**1E+01**	**3E+00**	1E+00	8E-02	**3E+00**	2E-01
Thallium	--	--	1E-02	4E-03	7E-02	2E-02	--	--	1E-02	4E-03	7E-02	2E-02
Zinc	2E-01	7E-02	9E-02	2E-02	2E-01	4E-02	7E-01	7E-02	7E-01	2E-02	**2E+00**	4E-02
Volatile Organic Compounds												
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloro methane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	7E-07	3E-07	4E-06	2E-06	--	--	--	--	--	--
Methyl acetate	--	--	2E-07	5E-08	1E-06	3E-07	--	--	--	--	--	--
Semi-Volatile Organic Compounds												
4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
Bis (2-ethylhexyl) phtl	6E-04	6E-05	4E-05	4E-06	3E-04	3E-05	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons												
PAH Low molecular weight	2E-04	2E-05	6E-05	1E-05	3E-04	7E-05	--	--	8E-05	3E-05	6E-04	2E-04
PAH High molecular weight	4E-03	4E-04	5E-02	1E-02	3E-01	7E-02	--	--	2E-02	1E-03	2E-01	1E-02
Pesticides												
4,4-DDT	1E-01	1E-02	9E-02	2E-02	3E-04	5E-05	**3E+00**	2E-02	2E-02	9E-04	5E-05	2E-06
4,4-DDE	**4E+00**	4E-01	**3E+00**	5E-01	5E-04	1E-04	**9E+01**	1E+00	5E-01	2E-02	8E-05	4E-06
Alpha-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	1E-05	--	--	--	--	--	--
Dieldrin	1E-01	2E-03	3E-01	1E-01	6E-03	3E-03	--	--	--	--	--	--
Gamma-Chlordane	1E-02	3E-03	3E-03	1E-03	3E-05	2E-05	--	--	--	--	--	--
Polychlorinated Biphenyls												
Total PCBs	2E-01	2E-02	3E-02	8E-03	4E-02	1E-02	2E-01	2E-02	3E-02	8E-03	4E-02	1E-02
Dioxins												
TEQ Avian	**7E+00**	7E-01	--	--	--	--	--	--	--	--	--	--
TEQ Mammals	--	--	**7E+01**	**7E+00**	**9E+00**	9E-01	--	--	--	--	--	--

Notes:

NOAEL HQ greater than 1
LOAEL HQ greater than 1
LOAEL HQ greater than 10
LOAEL HQ greater than 100

Abbreviations:

-- = no toxicity value available, HQs could not be estimated
AOC = area of concern
BCW = Bat Cave Wash
BTAG = Biological Technical Assistance Group
HQ = hazard quotient
LOAEL = lowest observed adverse effect level
NOAEL = no-observed adverse effect level
OCS = Outside Compressor Station
PCBs = polychlorinated biphenyls
PAH = polycyclic aromatic hydrocarbons
SUF = site use factor
TRV = toxicity reference value

Table OCSxBCW+AOC4-C.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Maximum Exposure Point Concentrations (SUF = 1,
Selected TRVs) for OCS (excluding BCW and AOC 4)

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COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Antimony	Red-Tailed Hawk	1.5E+01	100% Mammals	1.4E-02	7.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	2.7E+03	100% Mammals	1.4E-02	7.7E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	2.8E+03	100% Mammals	1.4E-02	7.9E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	3.1E+03	100% Mammals	1.4E-02	2.5E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	9.2E+02	100% Mammals	1.4E-02	2.2E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	6.7E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	1.2E+03	100% Mammals	1.4E-02	1.3E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds									
Bromomethane	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloro methane	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloroform	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Methyl acetate	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Red-Tailed Hawk	4.3E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	6.4E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Isophorone	Red-Tailed Hawk	2.8E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Red-Tailed Hawk	3.9E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	3.3E+01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides									
4,4-DDT	Red-Tailed Hawk	3.0E-03	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dieldrin	Red-Tailed Hawk	6.7E-03	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	1.9E+00	100% Mammals	1.4E-02	2.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Red-Tailed Hawk	1.1E+03	100% Mammals	1.4E-02	1.3E+03	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	1.6E+03	100% Mammals	1.4E-02	1.9E+03	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Miscellaneous									
Cyanide	Red-Tailed Hawk	2.2E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Antimony	Desert Kit Fox	1.9E+01	100% Mammals	2.8E-02	7.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	2.7E+03	100% Mammals	2.8E-02	7.7E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	4.0E+03	100% Mammals	2.8E-02	7.9E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	3.1E+03	100% Mammals	2.8E-02	2.5E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	1.6E+03	100% Mammals	2.8E-02	2.2E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	1.0E+02	100% Mammals	2.8E-02	6.7E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	6.1E+00	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	2.0E+03	100% Mammals	2.8E-02	1.3E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds									
Bromomethane	Desert Kit Fox	2.6E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloro methane	Desert Kit Fox	1.1E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloroform	Desert Kit Fox	1.1E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Methyl acetate	Desert Kit Fox	1.7E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Desert Kit Fox	4.3E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	7.3E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Isophorone	Desert Kit Fox	2.9E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	3.9E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	3.3E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides									
4,4-DDT	Desert Kit Fox	3.0E-03	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Alpha-Chlordane	Desert Kit Fox	1.2E-02	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dieldrin	Desert Kit Fox	6.7E-03	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table OCSxBCW+AOC4-C.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Maximum Exposure Point Concentrations (SUF = 1,
Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	1.9E+00	100% Mammals	2.8E-02	2.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Desert Kit Fox	1.1E+03	100% Mammals	2.8E-02	1.3E+03	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	1.6E+03	100% Mammals	2.8E-02	1.9E+03	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Miscellaneous									
Cyanide	Desert Kit Fox	2.2E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Antimony	Nelson's Desert Bighorn Sheep	1.9E+01	100% Plants	3.0E-01	6.2E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	2.7E+03	100% Plants	3.0E-01	1.1E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	4.0E+03	100% Plants	3.0E-01	1.6E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	3.1E+03	100% Plants	3.0E-01	4.6E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	1.6E+03	100% Plants	3.0E-01	1.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	1.0E+02	100% Plants	3.0E-01	4.6E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	6.1E+00	100% Plants	3.0E-01	2.4E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	2.0E+03	100% Plants	3.0E-01	3.3E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds									
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	7.3E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.9E+00	100% Plants	3.0E-01	4.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	3.3E+01	100% Plants	3.0E-01	5.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides									
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	1.9E+00	100% Plants	3.0E-01	1.9E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Nelson's Desert Bighorn Sheep	1.1E+03	100% Plants	3.0E-01	6.2E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.6E+03	100% Plants	3.0E-01	9.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Miscellaneous									
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCSxBCW+AOC4-C.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Maximum Exposure Point Concentrations (SUF = 1,
Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-02	1.7E-02	7.6E-02	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	6.1E+00	3.0E+00	9.1E+00	2.5E+00	2.5E+01	**4E+00**	4E-01
Chromium, total	Red-Tailed Hawk	--	--	6.2E+00	3.1E+00	9.3E+00	2.7E+00	1.6E+01	**4E+00**	6E-01
Copper	Red-Tailed Hawk	--	--	2.0E+00	3.4E+00	5.4E+00	4.1E+00	1.2E+01	1E+00	4E-01
Lead	Red-Tailed Hawk	--	--	1.7E+00	1.0E+00	2.8E+00	1.6E+00	3.3E+00	**2E+00**	8E-01
Mercury	Red-Tailed Hawk	--	--	5.3E-01	3.9E-02	5.7E-01	3.9E-02	1.8E-01	**1E+01**	**3E+00**
Thallium	Red-Tailed Hawk	--	--	--	--	0.0E+00	3.5E-01	3.5E+00	--	--
Zinc	Red-Tailed Hawk	--	--	1.0E+01	1.3E+00	1.2E+01	6.6E+01	1.7E+02	2E-01	7E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	4.8E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	7.1E-04	7.1E-04	1.1E+00	1.1E+01	6E-04	6E-05
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	3.1E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.3E-03	4.3E-03	2.3E+01	2.3E+02	2E-04	2E-05
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.7E-02	3.7E-02	1.0E+01	1.0E+02	4E-03	4E-04
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	2.3E-01	2.3E+00	1E-01	1E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	2.3E-01	2.3E+00	**4E+00**	4E-01
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.8E-02	2.1E+00	1.1E+01	1E-02	3E-03
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	9.4E-03	7.1E-02	3.8E+00	1E-01	2E-03
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	3.0E-02	2.1E+00	1.1E+01	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	2.0E-02	2.1E-03	2.2E-02	9.0E-02	1.3E+00	2E-01	2E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.0E+02	1.2E+00	1.0E+02	1.4E+01	1.4E+02	**7E+00**	7E-01
TEQ Mammals	Red-Tailed Hawk	--	--	1.5E+02	1.8E+00	1.5E+02	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	2.4E-04	4.0E-02	4.0E-01	6E-03	6E-04
Inorganics										
Antimony	Desert Kit Fox	--	--	2.7E-02	1.9E-02	4.5E-02	5.9E-02	5.9E-01	8E-01	8E-02
Chromium, hexavalent	Desert Kit Fox	--	--	2.7E+00	2.7E+00	5.4E+00	9.2E+00	3.8E+01	6E-01	1E-01
Chromium, total	Desert Kit Fox	--	--	2.8E+00	4.0E+00	6.7E+00	2.4E+00	9.6E+00	**3E+00**	7E-01
Copper	Desert Kit Fox	--	--	8.7E-01	3.1E+00	3.9E+00	5.6E+00	9.3E+00	7E-01	4E-01
Lead	Desert Kit Fox	--	--	7.8E-01	1.6E+00	2.4E+00	4.7E+00	8.9E+00	5E-01	3E-01
Mercury	Desert Kit Fox	--	--	2.4E-01	1.0E-01	3.4E-01	2.5E-01	4.0E+00	1E+00	8E-02
Thallium	Desert Kit Fox	--	--	--	6.0E-03	6.0E-03	4.8E-01	1.4E+00	1E-02	4E-03
Zinc	Desert Kit Fox	--	--	4.6E+00	2.0E+00	6.6E+00	7.5E+01	3.0E+02	9E-02	2E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	2.6E-05	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	1.5E+01	4.1E+01	7E-07	3E-07
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.7E-05	9.0E+01	3.6E+02	2E-07	5E-08
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	4.3E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	7.3E-04	7.3E-04	1.8E+01	1.8E+02	4E-05	4E-06
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	2.8E-02	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.8E-03	3.8E-03	6.6E+01	3.3E+02	6E-05	1E-05
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	3.3E-02	3.3E-02	6.2E-01	3.1E+00	5E-02	1E-02
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	1.5E-01	7.4E-01	9E-02	2E-02
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	1.5E-01	7.4E-01	**3E+00**	5E-01
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.2E-02	4.6E+00	9.2E+00	3E-03	1E-03
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	4.2E-03	1.5E-02	3.0E-02	3E-01	1E-01

Table OCSxBCW+AOC4-C.3
Terrestrial Wildlife Risk Calculations for Baseline Scenario
Using Maximum Exposure Point Concentrations (SUF = 1,
Selected TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.3E-02	4.6E+00	9.2E+00	3E-03	1E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	8.9E-03	1.9E-03	1.1E-02	3.6E-01	1.3E+00	3E-02	8E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	4.5E+01	1.1E+00	4.6E+01	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	6.7E+01	1.6E+00	6.9E+01	1.0E+00	1.0E+01	**7E+01**	**7E+00**
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.2E-04	4.5E+00	1.3E+01	5E-05	2E-05
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	8.6E-03	--	--	7.8E-02	8.7E-02	4.3E-02	4.3E-01	**2E+00**	2E-01
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	1.5E+00	--	--	1.1E+01	1.3E+01	9.2E+00	3.8E+01	1E+00	3E-01
Chromium, total	Nelson's Desert Bighorn Sheep	2.3E+00	--	--	1.6E+01	1.9E+01	2.4E+00	9.6E+00	**8E+00**	**2E+00**
Copper	Nelson's Desert Bighorn Sheep	6.4E-01	--	--	1.3E+01	1.3E+01	5.6E+00	9.3E+00	**2E+00**	1E+00
Lead	Nelson's Desert Bighorn Sheep	2.3E-01	--	--	6.6E+00	6.8E+00	3.4E+00	6.4E+00	**2E+00**	1E+00
Mercury	Nelson's Desert Bighorn Sheep	6.3E-02	--	--	4.2E-01	4.8E-01	1.8E-01	2.9E+00	**3E+00**	2E-01
Thallium	Nelson's Desert Bighorn Sheep	3.3E-04	--	--	2.5E-02	2.5E-02	3.5E-01	1.0E+00	7E-02	2E-02
Zinc	Nelson's Desert Bighorn Sheep	4.5E+00	--	--	8.2E+00	1.3E+01	7.5E+01	3.0E+02	2E-01	4E-02
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.1E-04	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	1.1E+01	3.0E+01	4E-06	2E-06
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	7.0E-05	6.6E+01	2.6E+02	1E-06	3E-07
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	1.8E-03	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	3.0E-03	3.0E-03	1.2E+01	1.2E+02	3E-04	3E-05
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.2E-01	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	6.8E-03	--	--	1.6E-02	2.3E-02	6.6E+01	3.3E+02	3E-04	7E-05
PAH High molecular weight	Nelson's Desert Bighorn Sheep	6.8E-02	--	--	1.4E-01	2.0E-01	6.2E-01	3.1E+00	3E-01	7E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	9.7E-02	4.9E-01	3E-04	5E-05
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	9.7E-02	4.9E-01	5E-04	1E-04
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	8.1E-05	2.9E+00	5.8E+00	3E-05	1E-05
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	6.5E-05	1.0E-02	2.1E-02	6E-03	3E-03
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	8.7E-05	2.9E+00	5.8E+00	3E-05	2E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	2.6E-04	--	--	7.9E-03	8.2E-03	2.3E-01	8.1E-01	4E-02	1E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	8.5E-02	--	--	4.5E+00	4.6E+00	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.2E-01	--	--	6.6E+00	6.7E+00	7.3E-01	7.3E+00	**9E+00**	9E-01
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	9.1E-04	3.3E+00	9.1E+00	3E-04	1E-04

See Notes and Abbreviations following Table OCSxBCW+AOC4-C.4.

Table OCSxBCW+AOC4-C.4
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Inorganics									
Antimony	Red-Tailed Hawk	1.5E+01	100% Mammals	1.4E-02	7.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, hexavalent	Red-Tailed Hawk	2.7E+03	100% Mammals	1.4E-02	7.7E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chromium, total	Red-Tailed Hawk	2.8E+03	100% Mammals	1.4E-02	7.9E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Copper	Red-Tailed Hawk	3.1E+03	100% Mammals	1.4E-02	2.5E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Lead	Red-Tailed Hawk	9.2E+02	100% Mammals	1.4E-02	2.2E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Mercury	Red-Tailed Hawk	3.5E+01	100% Mammals	1.4E-02	6.7E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Thallium	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Zinc	Red-Tailed Hawk	1.2E+03	100% Mammals	1.4E-02	1.3E+02	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Volatile Organic Compounds									
Bromomethane	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloro methane	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Chloroform	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Methyl acetate	Red-Tailed Hawk	ND	100% Mammals	1.4E-02	--	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Red-Tailed Hawk	4.3E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	6.4E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Isophorone	Red-Tailed Hawk	2.8E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Red-Tailed Hawk	3.9E+00	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
PAH High molecular weight	Red-Tailed Hawk	3.3E+01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Pesticides									
4,4-DDT	Red-Tailed Hawk	3.0E-03	100% Mammals	1.4E-02	3.9E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
4,4-DDE	Red-Tailed Hawk	6.1E-03	100% Mammals	1.4E-02	1.0E+01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Alpha-Chlordane	Red-Tailed Hawk	1.2E-02	100% Mammals	1.4E-02	3.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dieldrin	Red-Tailed Hawk	6.7E-03	100% Mammals	1.4E-02	1.2E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Gamma-Chlordane	Red-Tailed Hawk	1.3E-02	100% Mammals	1.4E-02	3.8E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Red-Tailed Hawk	1.9E+00	100% Mammals	1.4E-02	2.5E-01	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Red-Tailed Hawk	1.1E+03	100% Mammals	1.4E-02	1.3E+03	1.1E+00	7.9E-02	1.1E-03	1.0E+00
TEQ Mammals	Red-Tailed Hawk	1.6E+03	100% Mammals	1.4E-02	1.9E+03	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Miscellaneous									
Cyanide	Red-Tailed Hawk	2.2E-01	100% Mammals	1.4E-02	0.0E+00	1.1E+00	7.9E-02	1.1E-03	1.0E+00
Inorganics									
Antimony	Desert Kit Fox	1.9E+01	100% Mammals	2.8E-02	7.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, hexavalent	Desert Kit Fox	2.7E+03	100% Mammals	2.8E-02	7.7E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chromium, total	Desert Kit Fox	4.0E+03	100% Mammals	2.8E-02	7.9E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Copper	Desert Kit Fox	3.1E+03	100% Mammals	2.8E-02	2.5E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Lead	Desert Kit Fox	1.6E+03	100% Mammals	2.8E-02	2.2E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Mercury	Desert Kit Fox	1.0E+02	100% Mammals	2.8E-02	6.7E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Thallium	Desert Kit Fox	6.1E+00	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Zinc	Desert Kit Fox	2.0E+03	100% Mammals	2.8E-02	1.3E+02	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Volatile Organic Compounds									
Bromomethane	Desert Kit Fox	2.6E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloro methane	Desert Kit Fox	1.1E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Chloroform	Desert Kit Fox	1.1E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Methyl acetate	Desert Kit Fox	1.7E-02	100% Mammals	2.8E-02	--	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Desert Kit Fox	4.3E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	7.3E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Isophorone	Desert Kit Fox	2.9E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Desert Kit Fox	3.9E+00	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
PAH High molecular weight	Desert Kit Fox	3.3E+01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Pesticides									
4,4-DDT	Desert Kit Fox	3.0E-03	100% Mammals	2.8E-02	3.9E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
4,4-DDE	Desert Kit Fox	6.1E-03	100% Mammals	2.8E-02	1.0E+01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Alpha-Chlordane	Desert Kit Fox	1.2E-02	100% Mammals	2.8E-02	3.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dieldrin	Desert Kit Fox	6.7E-03	100% Mammals	2.8E-02	1.2E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00

Table OCSxBCW+AOC4-C.4
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Soil EPC (mg/kg)	Diet Composition (fraction)		Tissue EPCs (mg/kg dw)	Body Weight (kg)	Intake Estimates (kg dw/kg-day)		Site Use Factor (unitless)
			Diet	Soil			Food Ingestion Rate	Soil Ingestion Rate	
Gamma-Chlordane	Desert Kit Fox	1.3E-02	100% Mammals	2.8E-02	3.8E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Desert Kit Fox	1.9E+00	100% Mammals	2.8E-02	2.5E-01	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Desert Kit Fox	1.1E+03	100% Mammals	2.8E-02	1.3E+03	2.0E+00	3.5E-02	9.9E-04	1.0E+00
TEQ Mammals	Desert Kit Fox	1.6E+03	100% Mammals	2.8E-02	1.9E+03	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Miscellaneous									
Cyanide	Desert Kit Fox	2.2E-01	100% Mammals	2.8E-02	0.0E+00	2.0E+00	3.5E-02	9.9E-04	1.0E+00
Inorganics									
Antimony	Nelson's Desert Bighorn Sheep	1.9E+01	100% Plants	3.0E-01	6.2E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	2.7E+03	100% Plants	3.0E-01	1.1E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chromium, total	Nelson's Desert Bighorn Sheep	4.0E+03	100% Plants	3.0E-01	1.6E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Copper	Nelson's Desert Bighorn Sheep	3.1E+03	100% Plants	3.0E-01	4.6E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Lead	Nelson's Desert Bighorn Sheep	1.6E+03	100% Plants	3.0E-01	1.7E+01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Mercury	Nelson's Desert Bighorn Sheep	1.0E+02	100% Plants	3.0E-01	4.6E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Thallium	Nelson's Desert Bighorn Sheep	6.1E+00	100% Plants	3.0E-01	2.4E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Zinc	Nelson's Desert Bighorn Sheep	2.0E+03	100% Plants	3.0E-01	3.3E+02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Volatile Organic Compounds									
Bromomethane	Nelson's Desert Bighorn Sheep	2.6E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloro methane	Nelson's Desert Bighorn Sheep	1.1E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Chloroform	Nelson's Desert Bighorn Sheep	1.1E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Methyl acetate	Nelson's Desert Bighorn Sheep	1.7E-02	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Semi-Volatile Organic Compounds									
4-Methylphenol	Nelson's Desert Bighorn Sheep	4.3E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	7.3E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Isophorone	Nelson's Desert Bighorn Sheep	2.9E+01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polycyclic Aromatic Hydrocarbons									
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	3.9E+00	100% Plants	3.0E-01	4.9E-01	6.8E+01	1.4E-02	4.1E-03	1.0E+00
PAH High molecular weight	Nelson's Desert Bighorn Sheep	3.3E+01	100% Plants	3.0E-01	5.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Pesticides									
4,4-DDT	Nelson's Desert Bighorn Sheep	3.0E-03	100% Plants	3.0E-01	1.0E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
4,4-DDE	Nelson's Desert Bighorn Sheep	6.1E-03	100% Plants	3.0E-01	1.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	1.2E-02	100% Plants	3.0E-01	2.3E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dieldrin	Nelson's Desert Bighorn Sheep	6.7E-03	100% Plants	3.0E-01	2.7E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	1.3E-02	100% Plants	3.0E-01	2.5E-03	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Polychlorinated Biphenyls									
Total PCBs	Nelson's Desert Bighorn Sheep	1.9E+00	100% Plants	3.0E-01	1.9E-02	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Dioxins (presented in ng/kg)									
TEQ Avian	Nelson's Desert Bighorn Sheep	1.1E+03	100% Plants	3.0E-01	6.2E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.6E+03	100% Plants	3.0E-01	9.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00
Miscellaneous									
Cyanide	Nelson's Desert Bighorn Sheep	2.2E-01	100% Plants	3.0E-01	0.0E+00	6.8E+01	1.4E-02	4.1E-03	1.0E+00

Table OCSxBCW+AOC4-C.4
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Inorganics										
Antimony	Red-Tailed Hawk	--	--	5.9E-02	1.7E-02	7.6E-02	--	--	--	--
Chromium, hexavalent	Red-Tailed Hawk	--	--	6.1E+00	3.0E+00	9.1E+00	--	--	--	--
Chromium, total	Red-Tailed Hawk	--	--	6.2E+00	3.1E+00	9.3E+00	2.7E+00	1.6E+01	**4E+00**	6E-01
Copper	Red-Tailed Hawk	--	--	2.0E+00	3.4E+00	5.4E+00	2.3E+00	5.2E+01	**2E+00**	1E-01
Lead	Red-Tailed Hawk	--	--	1.7E+00	1.0E+00	2.8E+00	1.4E-02	8.8E+00	**2E+02**	3E-01
Mercury	Red-Tailed Hawk	--	--	5.3E-01	3.9E-02	5.7E-01	3.9E-02	1.8E-01	**1E+01**	**3E+00**
Thallium	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Zinc	Red-Tailed Hawk	--	--	1.0E+01	1.3E+00	1.2E+01	1.7E+01	1.7E+02	7E-01	7E-02
Volatile Organic Compounds										
Bromomethane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloro methane	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Chloroform	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Methyl acetate	Red-Tailed Hawk	--	--	--	--	0.0E+00	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Red-Tailed Hawk	--	--	0.0E+00	4.8E-04	4.8E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Red-Tailed Hawk	--	--	0.0E+00	7.1E-04	7.1E-04	1.1E+00	1.1E+01	6E-04	6E-05
Isophorone	Red-Tailed Hawk	--	--	0.0E+00	3.1E-03	3.1E-03	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Red-Tailed Hawk	--	--	0.0E+00	4.3E-03	4.3E-03	2.3E+01	2.3E+02	2E-04	2E-05
PAH High molecular weight	Red-Tailed Hawk	--	--	0.0E+00	3.7E-02	3.7E-02	1.0E+01	1.0E+02	4E-03	4E-04
Pesticides										
4,4-DDT	Red-Tailed Hawk	--	--	3.1E-02	3.3E-06	3.1E-02	9.0E-03	1.5E+00	**3E+00**	2E-02
4,4-DDE	Red-Tailed Hawk	--	--	8.3E-01	6.8E-06	8.3E-01	9.0E-03	6.0E-01	**9E+01**	1E+00
Alpha-Chlordane	Red-Tailed Hawk	--	--	2.8E-02	1.3E-05	2.8E-02	2.1E+00	1.1E+01	1E-02	3E-03
Dieldrin	Red-Tailed Hawk	--	--	9.4E-03	7.4E-06	9.4E-03	7.1E-02	3.8E+00	1E-01	2E-03
Gamma-Chlordane	Red-Tailed Hawk	--	--	3.0E-02	1.4E-05	3.0E-02	2.1E+00	1.1E+01	1E-02	3E-03
Polychlorinated Biphenyls										
Total PCBs	Red-Tailed Hawk	--	--	2.0E-02	2.1E-03	2.2E-02	9.0E-02	1.3E+00	2E-01	2E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Red-Tailed Hawk	--	--	1.0E+02	1.2E+00	1.0E+02	1.4E+01	1.4E+02	**7E+00**	7E-01
TEQ Mammals	Red-Tailed Hawk	--	--	1.5E+02	1.8E+00	1.5E+02	--	--	--	--
Miscellaneous										
Cyanide	Red-Tailed Hawk	--	--	0.0E+00	2.4E-04	2.4E-04	4.0E-02	4.0E-01	6E-03	6E-04
Inorganics										
Antimony	Desert Kit Fox	--	--	2.7E-02	1.9E-02	4.5E-02	5.9E-02	5.9E-01	8E-01	8E-02
Chromium, hexavalent	Desert Kit Fox	--	--	2.7E+00	2.7E+00	5.4E+00	9.2E+00	3.8E+01	6E-01	1E-01
Chromium, total	Desert Kit Fox	--	--	2.8E+00	4.0E+00	6.7E+00	2.4E+00	9.6E+00	**3E+00**	7E-01
Copper	Desert Kit Fox	--	--	8.7E-01	3.1E+00	3.9E+00	2.7E+00	6.3E+02	1E+00	6E-03
Lead	Desert Kit Fox	--	--	7.8E-01	1.6E+00	2.4E+00	1.0E+00	2.4E+02	**2E+00**	1E-02
Mercury	Desert Kit Fox	--	--	2.4E-01	1.0E-01	3.4E-01	2.5E-01	4.0E+00	1E+00	8E-02
Thallium	Desert Kit Fox	--	--	--	6.0E-03	6.0E-03	4.8E-01	1.4E+00	1E-02	4E-03
Zinc	Desert Kit Fox	--	--	4.6E+00	2.0E+00	6.6E+00	9.6E+00	4.1E+02	7E-01	2E-02
Volatile Organic Compounds										
Bromomethane	Desert Kit Fox	--	--	--	2.6E-05	2.6E-05	--	--	--	--
Chloro methane	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Chloroform	Desert Kit Fox	--	--	--	1.1E-05	1.1E-05	--	--	--	--
Methyl acetate	Desert Kit Fox	--	--	--	1.7E-05	1.7E-05	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Desert Kit Fox	--	--	0.0E+00	4.3E-04	4.3E-04	--	--	--	--
Bis (2-ethylhexyl) phthalate	Desert Kit Fox	--	--	0.0E+00	7.3E-04	7.3E-04	1.8E+01	1.8E+02	4E-05	4E-06
Isophorone	Desert Kit Fox	--	--	0.0E+00	2.8E-02	2.8E-02	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Desert Kit Fox	--	--	0.0E+00	3.8E-03	3.8E-03	5.0E+01	1.5E+02	8E-05	3E-05
PAH High molecular weight	Desert Kit Fox	--	--	0.0E+00	3.3E-02	3.3E-02	1.3E+00	3.3E+01	2E-02	1E-03
Pesticides										
4,4-DDT	Desert Kit Fox	--	--	1.4E-02	3.0E-06	1.4E-02	8.0E-01	1.6E+01	2E-02	9E-04
4,4-DDE	Desert Kit Fox	--	--	3.7E-01	6.0E-06	3.7E-01	8.0E-01	1.6E+01	5E-01	2E-02
Alpha-Chlordane	Desert Kit Fox	--	--	1.2E-02	1.2E-05	1.2E-02	4.6E+00	9.2E+00	3E-03	1E-03
Dieldrin	Desert Kit Fox	--	--	4.2E-03	6.6E-06	4.2E-03	1.5E-02	3.0E-02	3E-01	1E-01

Table OCSxBCW+AOC4-C.4
Terrestrial Wildlife Risk Calculations for Baseline Scenario Using Maximum Exposure Point Concentrations (SUF = 1, BTAG TRVs) for OCS (excluding BCW and AOC 4)

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

COPEC	Terrestrial Receptors	Dose From Dietary Components (mg/kg-day)				Total Dose (mg/kg-day)	TRV (mg/kg-day)		HQ (unitless)	
		Terrestrial Plants	Terrestrial Insects	Small Mammals	Soil		NOAEL	LOAEL	NOAEL	LOAEL
Gamma-Chlordane	Desert Kit Fox	--	--	1.3E-02	1.3E-05	1.3E-02	4.6E+00	9.2E+00	3E-03	1E-03
Polychlorinated Biphenyls										
Total PCBs	Desert Kit Fox	--	--	8.9E-03	1.9E-03	1.1E-02	3.6E-01	1.3E+00	3E-02	8E-03
Dioxins (presented in ng/kg)										
TEQ Avian	Desert Kit Fox	--	--	4.5E+01	1.1E+00	4.6E+01	--	--	--	--
TEQ Mammals	Desert Kit Fox	--	--	6.7E+01	1.6E+00	6.9E+01	1.0E+00	1.0E+01	**7E+01**	**7E+00**
Miscellaneous										
Cyanide	Desert Kit Fox	--	--	0.0E+00	2.2E-04	2.2E-04	4.5E+00	1.3E+01	5E-05	2E-05
Inorganics										
Antimony	Nelson's Desert Bighorn Sheep	8.6E-03	--	--	7.8E-02	8.7E-02	5.9E-02	5.9E-01	1E+00	1E-01
Chromium, hexavalent	Nelson's Desert Bighorn Sheep	1.5E+00	--	--	1.1E+01	1.3E+01	9.2E+00	3.8E+01	1E+00	3E-01
Chromium, total	Nelson's Desert Bighorn Sheep	2.3E+00	--	--	1.6E+01	1.9E+01	2.4E+00	9.6E+00	**8E+00**	**2E+00**
Copper	Nelson's Desert Bighorn Sheep	6.4E-01	--	--	1.3E+01	1.3E+01	1.7E+00	4.6E+02	**8E+00**	3E-02
Lead	Nelson's Desert Bighorn Sheep	2.3E-01	--	--	6.6E+00	6.8E+00	7.3E-01	1.5E+02	**9E+00**	4E-02
Mercury	Nelson's Desert Bighorn Sheep	6.3E-02	--	--	4.2E-01	4.8E-01	1.8E-01	2.9E+00	**3E+00**	2E-01
Thallium	Nelson's Desert Bighorn Sheep	3.3E-04	--	--	2.5E-02	2.5E-02	3.5E-01	1.0E+00	7E-02	2E-02
Zinc	Nelson's Desert Bighorn Sheep	4.5E+00	--	--	8.2E+00	1.3E+01	6.0E+00	3.0E+02	**2E+00**	4E-02
Volatile Organic Compounds										
Bromomethane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.1E-04	1.1E-04	--	--	--	--
Chloro methane	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Chloroform	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	4.5E-05	4.5E-05	--	--	--	--
Methyl acetate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	7.0E-05	7.0E-05	--	--	--	--
Semi-Volatile Organic Compounds										
4-Methylphenol	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.8E-03	1.8E-03	--	--	--	--
Bis (2-ethylhexyl) phthalate	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	3.0E-03	3.0E-03	1.8E+01	1.8E+02	2E-04	2E-05
Isophorone	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	1.2E-01	1.2E-01	--	--	--	--
Polycyclic Aromatic Hydrocarbons										
PAH Low molecular weight	Nelson's Desert Bighorn Sheep	6.8E-03	--	--	1.6E-02	2.3E-02	3.6E+01	1.1E+02	6E-04	2E-04
PAH High molecular weight	Nelson's Desert Bighorn Sheep	6.8E-02	--	--	1.4E-01	2.0E-01	8.2E-01	2.1E+01	2E-01	1E-02
Pesticides										
4,4-DDT	Nelson's Desert Bighorn Sheep	1.4E-05	--	--	1.2E-05	2.6E-05	5.8E-01	1.2E+01	5E-05	2E-06
4,4-DDE	Nelson's Desert Bighorn Sheep	2.4E-05	--	--	2.5E-05	4.9E-05	5.8E-01	1.2E+01	8E-05	4E-06
Alpha-Chlordane	Nelson's Desert Bighorn Sheep	3.1E-05	--	--	4.9E-05	8.1E-05	4.6E+00	9.2E+00	2E-05	9E-06
Dieldrin	Nelson's Desert Bighorn Sheep	3.8E-05	--	--	2.8E-05	6.5E-05	1.5E-02	3.0E-02	4E-03	2E-03
Gamma-Chlordane	Nelson's Desert Bighorn Sheep	3.4E-05	--	--	5.4E-05	8.7E-05	4.6E+00	9.2E+00	2E-05	1E-05
Polychlorinated Biphenyls										
Total PCBs	Nelson's Desert Bighorn Sheep	2.6E-04	--	--	7.9E-03	8.2E-03	2.3E-01	8.1E-01	4E-02	1E-02
Dioxins (presented in ng/kg)										
TEQ Avian	Nelson's Desert Bighorn Sheep	8.5E-02	--	--	4.5E+00	4.6E+00	--	--	--	--
TEQ Mammals	Nelson's Desert Bighorn Sheep	1.2E-01	--	--	6.6E+00	6.7E+00	1.0E+00	1.0E+01	**7E+00**	7E-01
Miscellaneous										
Cyanide	Nelson's Desert Bighorn Sheep	0.0E+00	--	--	9.1E-04	9.1E-04	4.5E+00	1.3E+01	2E-04	7E-05

See Notes and Abbreviations following Table OCSxBCW+AOC4-C.4.

Table OCSxBCW+AOC4-C Table Notes
Notes for Terrestrial Wildlife Risk Calculations

Soil Human Health and Ecological Risk Assessment
PG&E Topock Compressor Station
Needles, California

Notes:

[a] Dioxin presented in ng/kg.

[b] Total dose equation is presented below:

Total Dose (mg/kg-day) = $[(EPC_{soil} \times SIR) + (C_{plants} \times FIR \times F_{plants}) + (C_{insects} \times FIR \times F_{insects}) + (C_{mammals} \times FIR \times F_{mammals})] \times SUF$

[c] HQ = Total Dose / TRV

Abbreviations:

AOC = area of concern
BCW = Bat Cave Wash
BTAG = Biological Technical Assistance Group
COPEC = constituent of potential ecological concern
dw = dry weight
EPC_{soil} = exposure point concentration in soil (mg/kg dw)
EPC_{plants} = exposure point concentration in plants (mg/kg dw)
$EPC_{insects}$ = exposure point concentration in insects (mg/kg dw)
$EPC_{mammals}$ = exposure point concentration in mammals (mg/kg dw)
F_{plants} = fraction of plants in diet
$F_{insects}$ = fraction of insects in diet
$F_{mammals}$ = fraction of mammals in diet
FIR = food ingestion rate (kg dw/kg bw-day)
HQ = hazard quotient (unitless)
kg = kilogram
kg dw/kg bw-day = kilograms per kilogram of body weight per day
LOAEL = lowest observed adverse effect level (mg/kg-day)
m = maximum detected concentration
mg/kg = milligrams per kilogram
mg/kg-day = milligrams per kilogram per day
ND = not detected
ng/kg = nanograms per kilogram
NOAEL = no observed adverse effect level (mg/kg-day)
SIR = soil ingestion rate (kg dw/kg bw-day)
SUF = site use factor (fraction)
TRV = toxicity reference value (mg/kg-day)

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